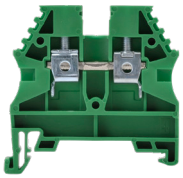
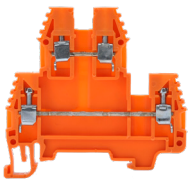
KONNECT-IT® Component Family Overview

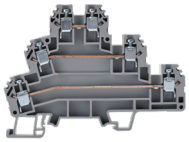
Terminal Blocks



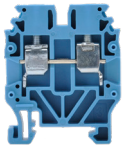
Single-Level Terminal Blocks
Single-level terminal blocks can handle currents up to 175A, can accept a wide range of wiring sizes from 26 AWG to 2/0 AWG and have a 100kA SCCR rating. Single-level terminal blocks are available in a variety of colors.



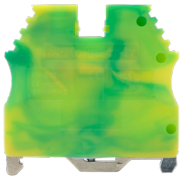
Double-Level Terminal Blocks
Double-level terminal blocks come in 20A and 30A versions and a variety of colors. Optional features include LED indications, diode and direct cross level connections and double level terminal blocks with an added grounding leg.



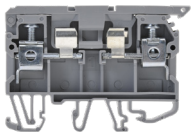
Triple-Level Terminal Blocks
Triple-level terminal blocks can handle up to 24A and can accept a wide range of wiring sizes from 24 AWG to 12 AWG. Optional features include NPN and PNP sensor blocks with LED indication as well as triple level terminal blocks with an added grounding leg.



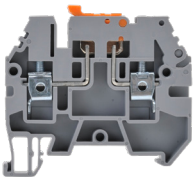
Miniature Terminal Blocks
Available in two conductor cross section sizes, 20A and 30A capacities, and mountable on 15mm DIN rails. All Konnect-IT mini terminal block models have the same overall dimensions. Miniature grounding blocks are also available.



Ground Terminal Blocks
Available with screw-down or snap-on clamping ground connection. These terminal blocks offer low contact resistance and corrosion-free connection points. The yellow-green color of the housing provides for easy identification.



Fuse Holder Terminal Blocks
Fuse holder terminal blocks can be used with 5mm x 20mm glass fuses up to 6.3A. Fuses are easily installed and removed. Fuse holder terminal blocks are an ideal solution when there is a need to change fuses while the system is powered.



Disconnect Terminal Blocks
Disconnect terminal blocks are an easy solution to enable circuits to be opened or to perform tests while the system is powered.

Accessories



End Brackets
End brackets prevent terminal blocks and other DIN rail mounted components and devices from sliding along the rail. They are available in configurations for 35mm and 15mm DIN rails.



End Covers
Used to electrically and visually separate the last live open terminal in an assembly. This is a vital function since terminal blocks are supplied with one open side.



Separators
Separators allow visual and electrical separation of terminal block groups and provide the necessary electrical spacing between adjacent insulated jumpers or between exposed ends of cut jumpers.



Jumpers
Using screw-down technology to electrically interconnect two or more consecutive terminal blocks, jumpers can carry up to 100% of the rated terminal block current.



Marking Tags
Provide system organization and efficient identification of the terminals and other components. They are available in blank or pre-printed configurations and fit onto the terminal blocks.



Top Covers and Label Holders
Top covers serve as protective covers for uninsulated jumpers. They are available blank or printed with the electrical symbols. Label holders attach to end brackets or DIN rail mounts and provide for easy identification of terminal block assemblies.

Approvals / Conformities

- UL (E179129)
- CSA C22.2
- VDE (IEC 60947-7-1/ IEC 60947-7-1)
- TSE/CE (EN 60947-1-1/ EN 60947-7-2)

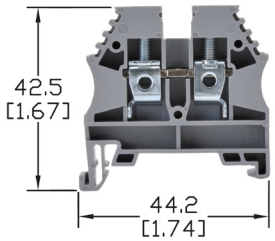
Note: Terminal blocks international colors meet the requirements of 2011 NEC250.119 and 2012 NFPA 79 section 13.2

KONNECT-IT TERMINAL BLOCKS

Single-Level Terminal Blocks

- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- VDE (IEC 60947-7-1)
- CE (EN 60947-7-1)

KN-T8 **Dimensions: mm [in]**



See our website: www.AutomationDirect.com for complete engineering drawings

[1]UL Usage Group: B, C for 300V or D for 600V

Ordering Information

Colors	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-T12GRY-100	100	$34.50	KN-T10GRY-80	80	$30.00	KN-T8GRY-60	60	$47.00
	KN-T12GRY-25	25	$9.00	KN-T10GRY-20	20	$7.75	KN-T8GRY-20	20	$16.00
Blue	KN-T12BLU-100	100	$34.50	KN-T10BLU-80	80	$30.00	KN-T8BLU-60	60	$47.00
	KN-T12BLU-25	25	$9.00	KN-T10BLU-20	20	$7.75	KN-T8BLU-20	20	$16.00
Brown	KN-T12BRN-100	100	$34.50	KN-T10BRN-80	80	$30.00	KN-T8BRN-60	60	$47.00
	KN-T12BRN-25	25	$9.00	KN-T10BRN-20	20	$7.75	KN-T8BRN-20	20	$16.00
Black	KN-T12BLK-100	100	$34.50	KN-T10BLK-80	80	$30.00	KN-T8BLK-60	60	$47.00
	KN-T12BLK-25	25	$9.00	KN-T10BLK-20	20	$7.75	KN-T8BLK-20	20	$16.00
Green	KN-T12GRN-100	100	$34.50	KN-T10GRN-80	80	$30.00	KN-T8GRN-60	60	$47.00
	KN-T12GRN-25	25	$9.00	KN-T10GRN-20	20	$7.75	KN-T8GRN-20	20	$16.00
Orange	KN-T12ORG-100	100	$34.50	KN-T10ORG-80	80	$30.00	KN-T8ORG-60	60	$47.00
	KN-T12ORG-25	25	$9.00	KN-T10ORG-20	20	$7.75	KN-T8ORG-20	20	$16.00
Red	KN-T12RED-100	100	$34.50	KN-T10RED-80	80	$30.00	KN-T8RED-60	60	$47.00
	KN-T12RED-25	25	$9.00	KN-T10RED-20	20	$7.75	KN-T8RED-20	20	$16.00
Yellow	KN-T12YEL-100	100	$34.50	KN-T10YEL-80	80	$30.00	KN-T8YEL-60	60	$47.00
	KN-T12YEL-25	25	$9.00	KN-T10YEL-20	20	$7.75	KN-T8YEL-20	20	$16.00
White	KN-T12WHT-100	100	$34.50	KN-T10WHT-80	80	$30.00	KN-T8WHT-60	60	$47.00
	KN-T12WHT-25	25	$9.00	KN-T10WHT-20	20	$7.75	KN-T8WHT-20	20	$16.00

Technical Specifications

Model	KN-T12			KN-T10			KN-T8		
Width	5mm [0.20 in]			6mm [0.24 in]			8mm [0.31 in]		
Stripping Length	10mm [0.39 in]			10mm [0.39 in]			12mm [0.47 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]			0.8 N·m [7.1 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]			125/m [38 pcs/ft]		
UL/CSA Approval	600V	20A	26-12 AWG	[1]300V	30A	26-10 AWG	[1]300V	50A	26-8 AWG
VDE Approval	750V	24A	2.5 mm²	750V	32A	4mm²	630V	41A	6mm²
CE Conformity	750V	24A	2.5 mm²	750V	32A	4mm²	630V	41A	6mm²
SCCR Rating	100kA			100kA			100kA		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screw: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

End Covers (International colors)	Gray	KN-ECT6GRY	100/pkg	$29.00	KN-ECT6GRY	100/pkg	$29.00	KN-ECT6GRY	100/pkg	$29.00
		KN-ECT6GRY-25	25/pkg	$6.50	KN-ECT6GRY-25	25/pkg	$6.50	KN-ECT6GRY-25	25/pkg	$6.50
	Blue	KN-ECT6BLU	10/pkg	$3.50	KN-ECT6BLU	10/pkg	$3.50	KN-ECT6BLU	10/pkg	$3.50
	Brown	KN-ECT6BRN		$3.50	KN-ECT6BRN		$3.50	KN-ECT6BRN		$3.50
	Black	KN-ECT6BLK		$3.50	KN-ECT6BLK		$3.50	KN-ECT6BLK		$3.50
	Green	KN-ECT6GRN		$3.50	KN-ECT6GRN		$3.50	KN-ECT6GRN		$3.50
	Orange	KN-ECT6ORG		$3.50	KN-ECT6ORG		$3.50	KN-ECT6ORG		$3.50
	Red	KN-ECT6RED		$3.50	KN-ECT6RED		$3.50	KN-ECT6RED		$3.50
	Yellow	KN-ECT6YEL		$3.50	KN-ECT6YEL		$3.50	KN-ECT6YEL		$3.50
	White	KN-ECT6WHT		$3.50	KN-ECT6WHT		$3.50	KN-ECT6WHT		$3.50
Separators (International colors)	Gray	KN-ST1GRY	25/pkg	$12.50	KN-ST1GRY	25/pkg	$12.50	KN-ST1GRY	25/pkg	$12.50
	Blue	KN-ST1BLU	10/pkg	$4.75	KN-ST1BLU	10/pkg	$4.75	KN-ST1BLU	10/pkg	$4.75
	Brown	KN-ST1BRN		$4.75	KN-ST1BRN		$4.75	KN-ST1BRN		$4.75
	Black	KN-ST1BLK		$4.75	KN-ST1BLK		$4.75	KN-ST1BLK		$4.75
	Green	KN-ST1GRN		$4.75	KN-ST1GRN		$4.75	KN-ST1GRN		$4.75
	Orange	KN-ST1ORG		$4.75	KN-ST1ORG		$4.75	KN-ST1ORG		$4.75
	Red	KN-ST1RED		$4.75	KN-ST1RED		$4.75	KN-ST1RED		$4.75
	Yellow	KN-ST1YEL		$4.75	KN-ST1YEL		$4.75	KN-ST1YEL		$4.75
	White	KN-ST1WHT		$4.75	KN-ST1WHT		$4.75	KN-ST1WHT		$4.75
Jumpers	2-pole	KN-2J12	25/pkg	$13.00	KN-2J10	25/pkg	$19.00	KN-2J8	25/pkg	$20.00
	3-pole	KN-3J12	20/pkg	$16.00	KN-3J10	20/pkg	$23.00	KN-3J8	20/pkg	$24.00
	4-pole	KN-4J12	15/pkg	$20.00	KN-4J10	15/pkg	$23.00	KN-4J8	15/pkg	$24.00
	10-pole	KN-10J12	5/pkg	$13.00	KN-10J10	5/pkg	$16.00	KN-10J8	5/pkg	$19.00
Comb-type jumper / 2-pole		KN-2JCC12	25/pkg	$17.00	KN-2JCC10	25/pkg	$34.00	KN-2JCC8	25/pkg	$36.00
Top Cover / Blank		KN-TC-1	25/pkg	$9.75	KN-TC-1	25/pkg	$9.75	KN-TC-1	25/pkg	$9.75
Top Cover / Symbol		KN-TC-1S	25/pkg	$14.00	KN-TC-1S	25/pkg	$14.00	KN-TC-1S	25/pkg	$14.00
Marking Tags		KN-L5 Series			KN-L5 Series			KN-L5 / KN-L6P5 Series		

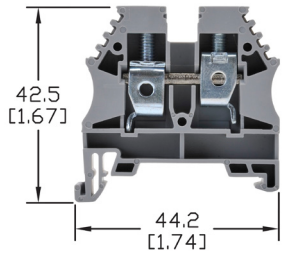
KONNECT-IT TERMINAL BLOCKS

Single-Level Terminal Blocks

- Screw connection terminal
- UL E179129
  (For copper wire only. One conductor in terminal only.)
- VDE (IEC 60947-7-1)
- CE (EN 60947-7-1)

KN-T6

Dimensions: mm [in]



See our website: www.AutomationDirect.com for complete engineering drawings

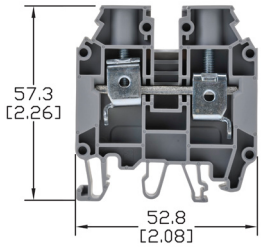
[1]*UL Usage Group: B, C for 300V or D for 600V*

Ordering Information

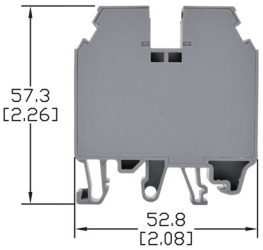
Colors	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-T6GRY-50	50	$52.00	KN-T4GRY	50	$87.00	KN-T2GRY	40	$109.00
	KN-T6GRY-25	25	$26.50	KN-T4GRY-25	25	$54.00	KN-T2GRY-10	10	$28.00
Blue	KN-T6BLU-50	50	$52.00	KN-T4BLU	50	$87.00	KN-T2BLU	40	$109.00
	KN-T6BLU-25	25	$26.50	KN-T4BLU-25	25	$54.00	KN-T2BLU-10	10	$28.00
Brown	KN-T6BRN-50	50	$52.00						
	KN-T6BRN-25	25	$26.50						
Black	KN-T6BLK-50	50	$52.00						
	KN-T6BLK-25	25	$26.50						
Green	KN-T6GRN-50	50	$52.00						
	KN-T6GRN-25	25	$26.50						
Orange	KN-T6ORG-50	50	$52.00						
	KN-T6ORG-25	25	$26.50						
Red	KN-T6RED-50	50	$52.00						
	KN-T6RED-25	25	$26.50						
Yellow	KN-T6YEL-50	50	$52.00						
	KN-T6YEL-25	25	$26.50						
White	KN-T6WHT-50	50	$52.00						
	KN-T6WHT-25	25	$26.50						

Dimensions: mm [in]

KN-T4



KN-T2



Technical Specifications

Model	KN-T6			KN-T4			KN-T2		
Width	10mm [0.39 in]			12mm [0.47 in]			16mm [0.63 in]		
Stripping Length	12mm [0.47 in]			16mm [0.63 in]			18mm [0.71 in]		
Tightening Torque	1.2 N·m [10.6 lb·in]			1.2 N·m [10.6 lb·in]			2.5 N·m [22.1 lb·in]		
Density	100/m [33 pcs/ft]			83/m [25 pcs/ft]			62/m [19 pcs/ft]		
UL/CSA Approval	[1]300V	65A	16-6 AWG	600V	80A	12-4 AWG	600V	115A	10-2 AWG
VDE Approval	630V	57A	10mm²	750V	76A	16mm²	750V	125A	35mm²
CE Conformity	630V	57A	10mm²	750V	76A	16mm²	750V	125A	35mm²
SCCR Rating	100kA			100kA			100kA		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

End Covers (International colors)	Gray	KN-ECT6GRY	100/pkg	$29.00	KN-ECT4GRY	25/pkg	$14.00	Note: KN-T2 is totally enclosed, no end cover required			
		KN-ECT6GRY-25	25/pkg	$6.50	—	—	—				
	Blue	KN-ECT6BLU	10/pkg	$3.50	KN-ECT4BLU	10/pkg	$6.00				
	Brown	KN-ECT6BRN		$3.50	—	—	—				
	Black	KN-ECT6BLK		$3.50	—	—	—				
	Green	KN-ECT6GRN		$3.50	—	—	—				
	Orange	KN-ECT6ORG		$3.50	—	—	—				
	Red	KN-ECT6RED		$3.50	—	—	—				
	Yellow	KN-ECT6YEL		$3.50	—	—	—				
	White	KN-ECT6WHT		$3.50	—	—	—				
Separators (International colors)	Gray	KN-ST1GRY	25/pkg	$12.50	KN-ST2GRY	25/pkg	$16.00	KN-ST3GRY	10/pkg	$8.00	
	Blue	KN-ST1BLU	10/pkg	$4.75	KN-ST2BLU	10/pkg	$16.00	KN-ST3BLU	10/pkg	$8.00	
	Brown	KN-ST1BRN		$4.75	—	—	—	—	—	—	
	Black	KN-ST1BLK		$4.75	—	—	—	—	—	—	
	Green	KN-ST1GRN		$4.75	—	—	—	—	—	—	
	Orange	KN-ST1ORG		$4.75	—	—	—	—	—	—	
	Red	KN-ST1RED		$4.75	—	—	—	—	—	—	
	Yellow	KN-ST1YEL		$4.75	—	—	—	—	—	—	
	White	KN-ST1WHT		$4.75	—	—	—	—	—	—	
Jumpers	2-pole	KN-2J6	25/pkg	$25.00	KN-2J4	25/pkg	$39.00	KN-2J2	25/pkg	$40.00	
	3-pole	KN-3J6	20/pkg	$26.00	KN-3J4	20/pkg	$41.00	KN-3J2	20/pkg	$43.00	
	4-pole	KN-4J6	15/pkg	$26.00	KN-4J4	15/pkg	$41.00	KN-4J2	15/pkg	$43.00	
	10-pole	KN-10J6	5/pkg	$20.00	KN-10J4	5/pkg	$32.00	KN-10J2	5/pkg	$32.00	
Comb-type jumper / 2-pole		KN-2JCC6	25/pkg	$40.00	—	—	—	—	—	—	
Top Cover / Blank		KN-TC-1	25/pkg	$9.75	KN-TC-2	25/pkg	$25.00	KN-TC-2	25/pkg	$25.00	
Top Cover / Symbol		KN-TC-1S	25/pkg	$14.00	KN-TC-2S	25/pkg	$25.00	KN-TC-2S	25/pkg	$25.00	
Marking Tags		KN-L5/KN-L6P5 Series			KN-L5/KN-L6P5 Series			KN-L5/KN-L6P5 Series			

KONNECT-IT TERMINAL BLOCKS

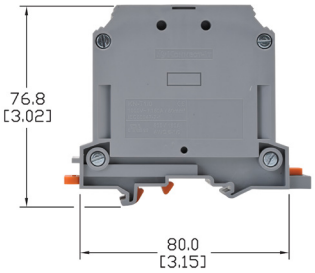
Single-Level Terminal Blocks



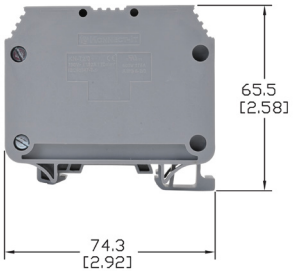
- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)

Dimensions: mm [in]

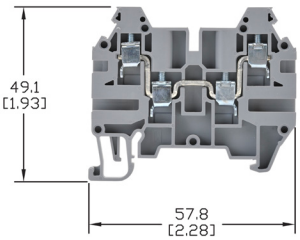
KN-T1/0



KN-T2/0



KN-T12SP4



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Colors	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-T1/0GRY	25	$105.00	KN-T2/0GRY	10	$66.00	KN-T12SP4	100	$192.00
	KN-T1/0GRY-10	10	$40.50	—	—	—	KN-T12SP4-25	25	$63.00
Blue	KN-T1/0BLU	25	$105.00	KN-T2/0BLU	10	$94.00	—	—	—
	KN-T1/0BLU-10	10	$40.50	—	—	—	—	—	—

Technical Specifications

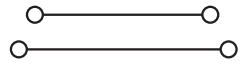
Model	KN-T1/0			KN-T2/0			KN-T12SP4		
Width	20mm [0.79 in]			22mm [0.87 in]			5mm [0.20 in]		
Stripping Length	20mm [0.79 in]			20mm [0.79 in]			10mm [0.39 in]		
Tightening Torque	6.0 N·m [53.1 lb·in]			6.0 N·m [53.1 lb·in]			0.5 N·m [4.4 lb·in]		
Density	50/m [15 pcs/ft]			45/m [13 pcs/ft]			200/m [60 pcs/ft]		
UL/CSA Approval	600V	150A	6-1/0 AWGG	600V	175A	6-2/0 AWG	600V	20A	26-12 AWG
CE Conformity	1000V	150A	50mm²	750V	192A	70mm²	750V	24A	2.5 mm²
SCCR Rating	100kA			100kA			100kA per Table SB4.1, 2009, UL 508A.		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

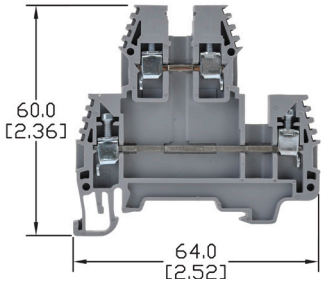
End Covers	Gray	—	—	—	—	—	—	KN-ECT12SP4	25/pkg	$13.00
Jumpers	2-pole	KN-2J1/0	5/pkg	$12.00	—	—	—	KN-2JM12	25/pkg	$12.00
	3-pole	KN-3J1/0	5/pkg	$20.00	—	—	—	KN-3JM12	20/pkg	$13.00
	4-pole	KN-4J1/0	5/pkg	$26.00	—	—	—	KN-4JM12	15/pkg	$13.00
	10-pole	—	—	—	—	—	—	KN-10JM12	5/pkg	$15.00
Marking Tags		No tags available			KN-L5 Series KN-L6P5 Series			KN-L5 Series		

KONNECT-IT® TERMINAL BLOCKS Double-Level Terminal Blocks

- Screw connection terminal
- UL E179129
  (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)



Dimensions: mm [in]



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty.	Price	Part Number	Qty.	Price
Gray	KN-D12GRY	100	$146.00	KN-D10GRY	100	$172.00
	KN-D12GRY-25	25	$40.00	KN-D10GRY-25	25	$41.00
Blue	KN-D12BLU	100	$146.00	KN-D10BLU	100	$172.00
	KN-D12BLU-25	25	$40.00	KN-D10BLU-25	25	$41.00
Black	KN-D12BLK	100	$146.00	KN-D10BLK	100	$172.00
	KN-D12BLK-25	25	$40.00	KN-D10BLK-25	25	$41.00
Green	KN-D12GRN	100	$154.00	KN-D10GRN	100	$172.00
	KN-D12GRN-25	25	$40.00	KN-D10GRN-25	25	$41.00
Orange	KN-D12ORG	100	$154.00	KN-D10ORG	100	$172.00
	KN-D12ORG-25	25	$40.00	KN-D10ORG-25	25	$41.00
Red	KN-D12RED	100	$154.00	KN-D10RED	100	$172.00
	KN-D12RED-25	25	$40.00	KN-D10RED-25	25	$41.00
Yellow	KN-D12YEL	100	$154.00	KN-D10YEL	100	$172.00
	KN-D12YEL-25	25	$40.00	KN-D10YEL-25	25	$41.00

Technical Specifications

Model	KN-D12			KN-D10		
Width	5mm [0.20 in]			6mm [0.24 in]		
Stripping Length	9mm [0.35 in]			9mm [0.35 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	20A	26-12 AWG	300V	30A	26-10 AWG
CE Conformity	500V	24A	2.5 mm²	500V	32A	4mm²
SCCR Rating	100kA			100kA		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

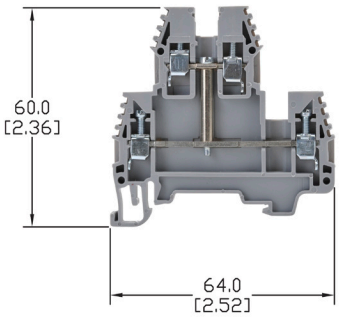
Accessories

End Covers (International colors)	Gray	KN-ECDGRY	25/pkg	$15.00	KN-ECDGRY	25/pkg	$15.00
	Blue	KN-ECDBLU	10/pkg	$7.00	KN-ECDBLU	10/pkg	$7.00
	Black	KN-ECDBLK	10/pkg	$7.00	KN-ECDBLK	10/pkg	$7.00
	Green	KN-ECDGRN	10/pkg	$7.00	KN-ECDGRN	10/pkg	$7.00
	Orange	KN-ECDORG	10/pkg	$7.00	KN-ECDORG	10/pkg	$7.00
	Red	KN-ECDRED	10/pkg	$7.00	KN-ECDRED	10/pkg	$7.00
	Yellow	KN-ECDYEL	10/pkg	$7.00	KN-ECDYEL	10/pkg	$7.00
Jumpers	2-pole	KN-2J12	25/pkg	$13.00	KN-2J10	25/pkg	$19.00
	3-pole	KN-3J12	20/pkg	$16.00	KN-3J10	20/pkg	$23.00
	4-pole	KN-4J12	15/pkg	$20.00	KN-4J10	15/pkg	$23.00
	10-pole	KN-10J12	5/pkg	$13.00	KN-10J10	5/pkg	$16.00
Marking Tags	KN-L5 Series						

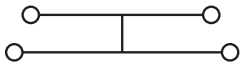
KONNECT-IT TERMINAL BLOCKS Double-Level Terminal Blocks

- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)

See our website: www.AutomationDirect.com for complete engineering drawings



Dimensions: mm [in]



Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-D12X	20	$68.00	KN-D10X	20	$74.00

Technical Specifications

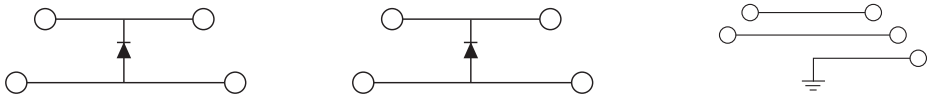
Model	KN-D12X			KN-D10X		
Width	5mm [0.20 in]			6mm [0.24 in]		
Stripping Length	9mm [0.35 in]			9mm [0.35 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	20A	26-12 AWG	300V	30A	26-10 AWG
CE Conformity	500V	24A	2.5 mm²	500V	32A	4mm²
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A.					
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

Accessories

End Covers	Gray	KN-ECDGRY	25/pkg	$15.00	KN-ECDGRY	25/pkg	$15.00
Jumpers*	2-pole	KN-2J12	25/pkg	$13.00	KN-2J10	25/pkg	$19.00
	3-pole	KN-3J12	20/pkg	$16.00	KN-3J10	20/pkg	$23.00
	4-pole	KN-4J12	15/pkg	$20.00	KN-4J10	15/pkg	$23.00
	10-pole	KN-10J12	5/pkg	$13.00	KN-10J10	5/pkg	$16.00
Marking Tags		KN-L5 Series					

*** KN-D12X and KN-D10X terminal blocks can only be jumped on the lower decks.**

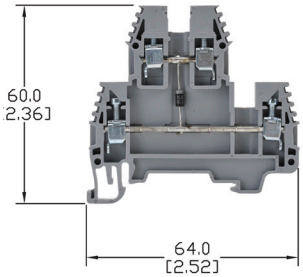
KONNECT-IT® TERMINAL BLOCKS Double-Level Terminal Blocks



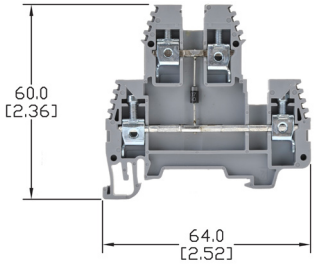
Dimensions: mm [in]

- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)

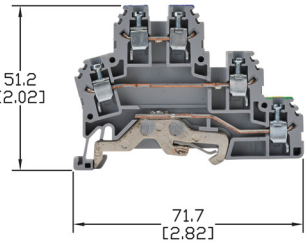
KN-D12DR1



KN-D10DR1



KN-DG12



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-D12DR1	20	$66.00	KN-D10DR1	20	$72.00	KN-DG12	20	$109.00

Technical Specifications

Model	KN-D12DR1			KN-D10DR1			KN-DG12		
Width	5mm [0.20 in]			6mm [0.24 in]			6mm [0.24 in]		
Stripping Length	9mm [0.35 in]			9mm [0.35 in]			9mm [0.35 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]			0.4 N·m [3.5 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	20A	26-12 AWG	300V	30A	26-10 AWG	300V	20A	26-12 AWG
CE Conformity	500V	24A	2.5 mm²	500V	32A	4mm²	440V	24A	2.5 mm²
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.								
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

End Cover	Gray	KN-ECDGRY	25/pkg	$15.00	KN-ECDGRY	25/pkg	$15.00	KN-ECDG12	10/pkg	$5.00
Jumpers	2-pole	KN-2J12	25/pkg	$13.00	KN-2J10	25/pkg	$19.00	KN-2JTL12	25/pkg	$20.00
	3-pole	KN-3J12	20/pkg	$16.00	KN-3J10	20/pkg	$23.00	KN-3JTL12	20/pkg	$25.00
	4-pole	KN-4J12	15/pkg	$20.00	KN-4J10	15/pkg	$23.00	KN-4JTL12	15/pkg	$24.00
	10-pole	KN-10J12	5/pkg	$13.00	KN-10J10	5/pkg	$16.00	KN-10JTL12	5/pkg	$20.00
Marking Tags		KN-L5 Series			KN-L5 Series			KN-L5 Series		

1N4007 Diode Information

RMS Reverse Voltage*	V (Rrms)	600V
Average Rectified Forward Current Single Phase, Resistive Load, 60 Hz	I (O)	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	30 A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0 A]	V (F)	1.1 V
Maximum Reverse Current	I (R)	10 µA

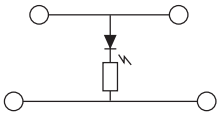
*** The maximum reverse voltage rating of the diode alone is 1000V, but should not exceed the maximum 300V rating of the terminal block.**

KONNECT-IT TERMINAL BLOCKS

Double-Level Terminal Blocks

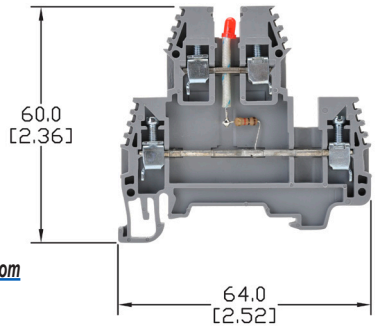
DC LED Terminal Blocks

- Screw connection terminal
- UL E179129
  (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)



See our website: www.AutomationDirect.com for complete engineering drawings

Dimensions: mm [in]



Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-D12LED-24DC	20	$83.00	KN-D10LED-24DC	20	$96.00
	KN-D12LED-110DC	20	$83.00	KN-D10LED-110DC	20	$96.00

Technical Specifications

Model	KN-D12LED-xxDC			KN-D10LED-xxDC		
Width	5mm [0.20 in]			6mm [0.24 in]		
Stripping Length	9mm [0.35 in]			9mm [0.35 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	20A	26-12 AWG	300V	30A	26-10 AWG
CE Conformity	24VDC/110VDC	24A	2.5 mm²	24VDC/110VDC	32A	4mm²
LED Voltage	2 Volts			2 Volts		
Resistor Value	10kΩ (KN-D12LED-24DC), 2mA, 9-36 VDC 56kΩ (KN-D12LED-110DC), 2mA, 60-150 VDC			10kΩ (KN-D10LED-24DC), 2mA, 9-36 VDC 56kΩ (KN-D10LED-110DC), 2mA, 60-150 VDC		
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.					
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

Accessories

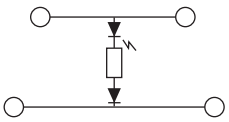
End Covers	Gray	KN-ECDGRY	25/pkg	$15.00	KN-ECDGRY	25/pkg	$15.00
*Jumpers	2-pole	KN-2J12	25/pkg	$13.00	KN-2J10	25/pkg	$19.00
	3-pole	KN-3J12	20/pkg	$16.00	KN-3J10	20/pkg	$23.00
	4-pole	KN-4J12	15/pkg	$20.00	KN-4J10	15/pkg	$23.00
	10-pole	KN-10J12	5/pkg	$13.00	KN-10J10	5/pkg	$16.00
Marking Tags		KN-L5 Series			KN-L5 Series		

*Only lower decks can be jumpered.

KONNECT-IT TERMINAL BLOCKS Double-Level Terminal Blocks

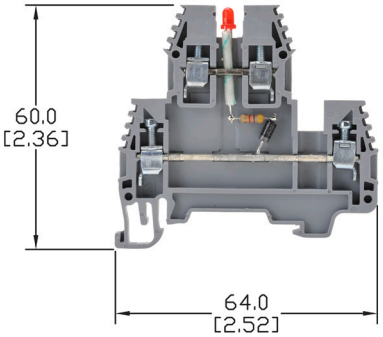
AC LED Terminal Blocks

- Screw connection terminal
- UL E179129
  (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)



See our website: www.AutomationDirect.com for complete engineering drawings

Dimensions: mm [in]



Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-D12LED-24AC	20	$83.00	KN-D10LED-24AC	20	$96.00
	KN-D12LED-110AC	20	$83.00	KN-D10LED-110AC	20	$96.00

Technical Specifications

Model	KN-D12LED-xxAC			KN-D10LED-xxAC		
Width	5mm [0.20 in]			6mm [0.24 in]		
Stripping Length	9mm [0.35 in]			9mm [0.35 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	20A	26-12 AWG	300V	30A	26-10 AWG
CE Conformity	24VAC/110VAC	24A	2.5 mm²	24VAC/110VAC	32A	4mm²
LED Voltage	2 Volts			2 Volts		
Resistor Value	4.7kΩ (KN-D12LED-24AC), 2.5 mA, 9-36 VAC 33kΩ (KN-D12LED-110AC), 2mA, 60-150 VAC			4.7kΩ (KN-D10LED-24AC), 2.5 mA, 9-36 VAC 33kΩ (KN-D10LED-110AC), 2mA, 60-150 VAC		
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.					
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

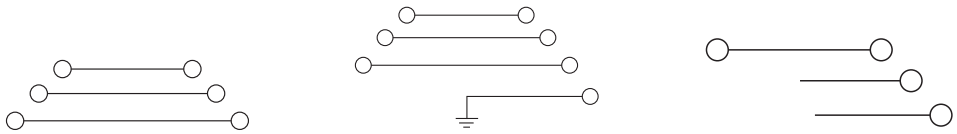
Accessories

End Covers	Gray	KN-ECDGRY	25/pkg	$15.00	KN-ECDGRY	25/pkg	$15.00
Jumpers	2-pole	KN-2J12	25/pkg	$13.00	KN-2J10	25/pkg	$19.00
	3-pole	KN-3J12	20/pkg	$16.00	KN-3J10	20/pkg	$23.00
	4-pole	KN-4J12	15/pkg	$20.00	KN-4J10	15/pkg	$23.00
	10-pole	KN-10J12	5/pkg	$13.00	KN-10J10	5/pkg	$16.00
Marking Tags		KN-L5 Series			KN-L5 Series		

***Only lower decks can be jumpered**

KONNECT-IT TERMINAL BLOCKS

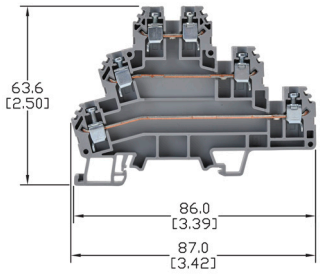
Triple-Level Terminal Blocks



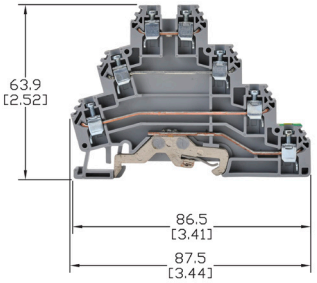
Dimensions: mm [in]

- Designed to make sensor connections more practical
- Ideal for individual cross connections for each layer
- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)

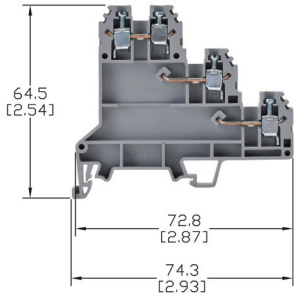
KN-TL14



KN-TG12



KN-TL14S



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-TL14	20	$40.50	KN-TG12	20	$108.00	KN-TL14S	20	$36.50

Technical Specifications

Model	KN-TL14			KN-TG12			KN-TL14S		
Width	6mm [0.24 in]			6mm [0.24 in]			6mm [0.24 in]		
Stripping Length	8mm [0.31 in]			8mm [0.31 in]			8mm [0.31 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]		
Density	166/m [50 pcs/ft]			166/m [50 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	24A	24-12 AWG	300V	24A	24-12 AWG	300V	24A	24-12 AWG
CE Conformity	440V	24A	2.5 mm²	440V	24A	2.5 mm²	550V	24A	2.5 mm²
SCCR Rating	100kA			100kA			100kA per Table SB4.1, 2009, UL 508A.		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

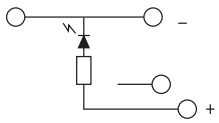
Accessories

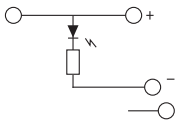
End Cover	Gray	KN-ECTL	10/pkg	$4.00	KN-ECTG12	10/pkg	$5.00	KN-ECTLS	10/pkg	$5.00
Jumpers	2-pole	KN-2JTL12	25/pkg	$20.00	KN-2JTL12	25/pkg	$20.00	KN-2JTL12	25/pkg	$20.00
	3-pole	KN-3JTL12	20/pkg	$25.00	KN-3JTL12	20/pkg	$25.00	KN-3JTL12	20/pkg	$25.00
	4-pole	KN-4JTL12	15/pkg	$24.00	KN-4JTL12	15/pkg	$24.00	KN-4JTL12	15/pkg	$24.00
	10-pole	KN-10JTL12	5/pkg	$20.00	KN-10JTL12	5/pkg	$20.00	KN-10JTL12	5/pkg	$20.00
Marking Tags		KN-L5 Series			KN-L5 Series			KN-L5 Series		

KONNECT-IT TERMINAL BLOCKS

Triple-Level Terminal Blocks

Sensor Terminal Blocks with LED

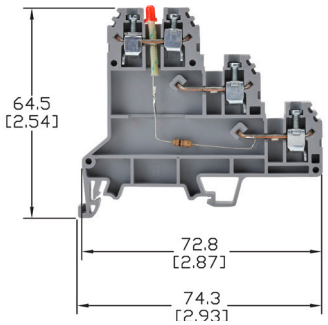




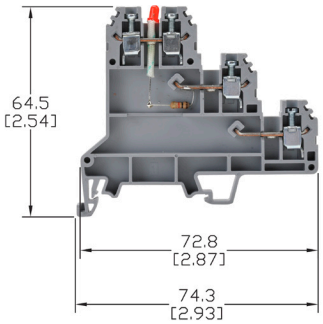
- Make sensor connections more practical
- Provide individual cross connections for each layer
- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1/ EN 60947-7-2)

Dimensions: mm [in]

KN-TL14SLN (for NPN sensors)



KN-TL14SLP (for PNP sensors)



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-TL14SLN	20	$67.00	KN-TL14SLP	20	$67.00

Technical Specifications

Model	KN-TL14SLN			KN-TL14SLP		
Width	6mm [0.24 in]			6mm [0.24 in]		
Stripping Length	8mm [0.31 in]			8mm [0.31 in]		
Tightening Torque	0.5 N·m [4.4 lb·in]			0.5 N·m [4.4 lb·in]		
Density	166/m [50 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	24A	24-12 AWG	300V	24A	24-12 AWG
CE Conformity	—	24A	2.5 mm²	—	24A	2.5 mm²
LED Voltage	2 Volts			2 Volts		
Resistor Value	10kΩ			10kΩ		
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.					
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

Accessories

End Covers	Gray	KN-ECTLS	10/pkg	$5.00	KN-ECTLS	10/pkg	$5.00
Jumpers	2-pole	KN-2JTL12	25/pkg	$20.00	KN-2JTL12	25/pkg	$20.00
	3-pole	KN-3JTL12	20/pkg	$25.00	KN-3JTL12	20/pkg	$25.00
	4-pole	KN-4JTL12	15/pkg	$24.00	KN-4JTL12	15/pkg	$24.00
	10-pole	KN-10JTL12	5/pkg	$20.00	KN-10JTL12	5/pkg	$20.00
Marking Tags		KN-L5 Series			KN-L5 Series		

KONNECT-IT TERMINAL BLOCKS

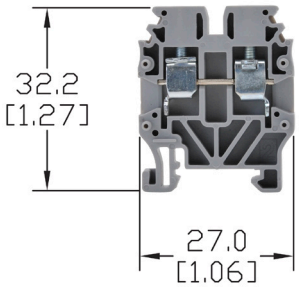
Miniature Feed-Through Terminal Blocks



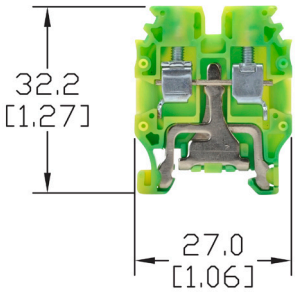
Dimensions: mm [in]

- Screw connection terminal
- PE snap-on connection DIN rail
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1/ EN 60947-7-2)

KN-M12xxx



KN-MG12



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-M12GRY	100	$65.00	—	—	—
	KN-M12GRY-25	25	$16.00	—	—	—
Blue	KN-M12BLU	100	$65.00	—	—	—
	KN-M12BLU-25	25	$16.00	—	—	—
Green Yellow	—	—	—	KN-MG12	50	$158.00
	—	—	—	KN-MG12-10	10	$33.00

Technical Specifications

Model	KN-M12xxx			KN-MG12		
Width	5mm [0.20 in]			5mm [0.20 in]		
Stripping Length	10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.4 N·m [3.5 lb·in]		
Density	200/m [60 pcs/ft]			200/m [60 pcs/ft]		
UL/CSA Approval	300V	20A	26-12 AWG	—	—	26-12 AWG
CE Conformity	400V	24A	2.5 mm²	—	—	2.5 mm²
SCCR Rating	100kA			100kA per Table SB4.1, 2009, UL 508A.		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	15mm DIN rail					

Accessories

End Covers (International colors)	Gray	KN-ECMGRY-10	10/pkg	$6.50	—	—	—
		KN-ECMGRY	100/pkg	$61.00	—	—	—
	Blue	KN-ECMBLU	10/pkg	$6.50	—	—	—
	Green/ Yellow	—	—	—	KN-ECMGRN	10/pkg	$6.50
Jumpers	2-pole	KN-2JM12	25/pkg	$12.00	—	—	—
	3-pole	KN-3JM12	20/pkg	$13.00	—	—	—
	4-pole	KN-4JM12	15/pkg	$13.00	—	—	—
	10-pole	KN-10JM12	5/pkg	$15.00	—	—	—
Marking Tags		KN-L5 Series			KN-L5 Series		

KONNECT-IT TERMINAL BLOCKS

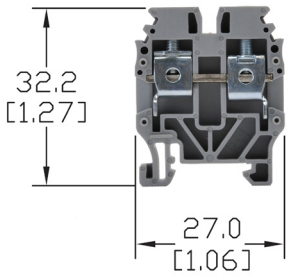
Miniature Feed-Through Terminal Blocks



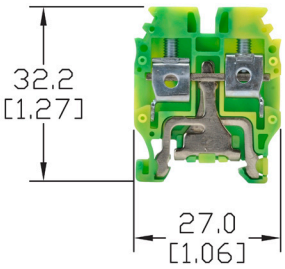
Dimensions: mm [in]

- Screw connection terminal
- PE snap-on connection DIN rail
- UL E179129
  (For copper wire only.
  One conductor in terminal only.)
- CE (EN 60947-7-1)

KN-M10xxx



KN-MG10



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-M10GRY	100	$80.00	—	—	—
	KN-M10GRY-25	25	$18.50	—	—	—
Gray	KN-M10BLU	100	$80.00	—	—	—
	KN-M10BLU-25	25	$18.50	—	—	—
Green Yellow	—	—	—	KN-MG10	50	$123.00
	—	—	—	KN-MG10-10	10	$36.00

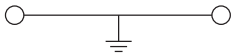
Technical Specifications

Model	KN-M10xxx			KN-MG10		
Width	6mm [0.24 in]			6mm [0.24 in]		
Stripping Length	10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.5 N·m [4.4 lb·in]			0.5 N·m [4.4 lb·in]		
Density	166/m [50 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	30A	26-10 AWG	—	—	26-10 AWG
CE Conformity	400V	32A	4mm²	—	—	4mm²
SCCR Rating	100kA			10kA per Table SB4.1, 2009, UL 508A.		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	15mm DIN rail					

Accessories

End Covers	Gray	KN-ECMGRY-10	10/pkg	$6.50	—	—	—
		KN-ECMGRY	100/pkg	$61.00	—	—	—
	Blue	KN-ECMBLU	10/pkg	$6.50	—	—	—
	Green/ Yellow	—	—	—	KN-ECMGRN	10/pkg	$6.50
Jumpers	2-pole	KN-2JM10	25/pkg	$12.00	—	—	—
	3-pole	KN-3JM10	20/pkg	$15.00	—	—	—
	4-pole	KN-4JM10	15/pkg	$17.00	—	—	—
	10-pole	KN-10JM10	5/pkg	$16.00	—	—	—
Marking Tags		KN-L5 Series			KN-L5 Series		

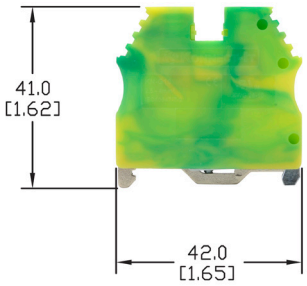
KONNECT-IT® TERMINAL BLOCKS Ground Terminal Blocks



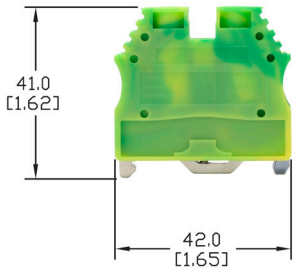
- Screw connection terminal
- PE screw connection DIN Rail
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1/ EN 60947-7-2)
- VDE (IEC 60947-7-1)

Dimensions: mm [in]

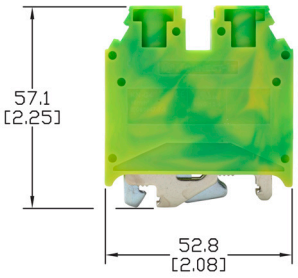
KN-G10



KN-G8



KN-G4



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Green Yellow	KN-G10	50	$154.00	KN-G8	25	$97.00	KN-G4	50	$378.00
	KN-G10-10	10	$33.00	KN-G8-10	10	$40.00	KN-G4-10	10	$74.00

Technical Specifications

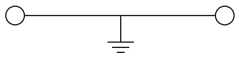
Model	KN-G10			KN-G8			KN-G4		
Width	6mm [0.24 in]			10mm [0.39 in]			12mm [0.47 in]		
Stripping Length	10mm [0.39 in]			12mm [0.47 in]			12mm [0.47 in]		
Tightening Torque	0.5 N·m [4.4 lb·in]			1.2 N·m [10.6 lb·in]			1.2 N·m [10.6 lb·in]		
Density	166/m [50 pcs/ft]			100/m [30 pcs/ft]			83/m [25 pcs/ft]		
UL/CSA Approval	—	—	26-10 AWG	—	—	16-8 AWG	—	—	12-4 AWG
VDE Approval	—	—	4mm²	—	—	10mm²	—	—	16mm²
CE Conformity	—	—	4mm²	—	—	10mm²	—	—	16mm²
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

Marking Tags	KN-L5 Series	KN-L5 Series KN-L6 Series	KN-L5 Series KN-L6 Series

KONNECT-IT TERMINAL BLOCKS

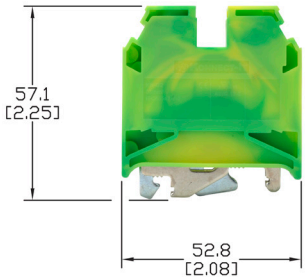
Ground Terminal Blocks



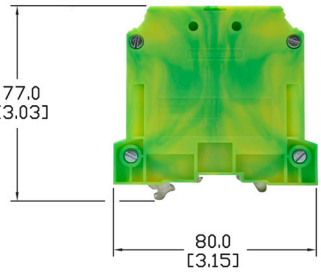
- Spring clamp terminal
- UL E179129
  (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1/ EN 60947-7-2)
- VDE (IEC 60947-7-1)

Dimensions: mm [in]

KN-G2



KN-G1/0



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Green Yellow	KN-G2	40	$332.00	KN-G1/0	10	$96.00
	KN-G2-10	10	$80.00	KN-G1/0-5	5	$51.00

Technical Specifications

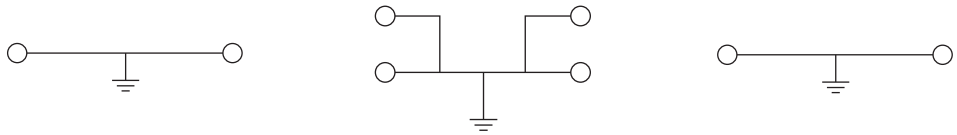
Model	KN-G2			KN-G1/0		
Width	16mm [0.63 in]			20mm [0.79 in]		
Stripping Length	18mm [0.71 in]			20mm [0.79 in]		
Tightening Torque	2.5 N·m [22.1 lb·in]			6 N·m [22.1 lb·in]		
Density	62/m [19 pcs/ft]			50/m [15 pcs/ft]		
UL/CSA Approval	—	—	12-2 AWG	—	—	6-1/0 AWG
VDE Approval	—	—	35mm²	—	—	50mm²
CE Conformity	—	—	35mm²	—	—	50mm²
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

Accessories

Marking Tags	KN-L5 Series KN-L6P5 Series	No tags available

KONNECT-IT TERMINAL BLOCKS

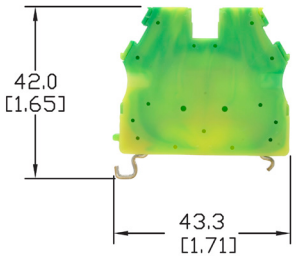
Ground Terminal Blocks



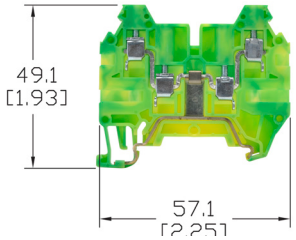
- Screw connection terminal
- PE snap-on connection
- UL E179129
  (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1/ EN 60947-7-2)
- VDE (IEC 60947-7-2)

Dimensions: mm [in]

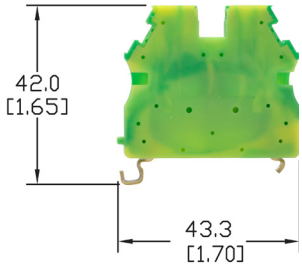
KN-G12SP



KN-G12SP4



KN-G10SP



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Green Yellow	KN-G12SP	50	$123.00	KN-G12SP4	25	$97.00	KN-G10SP	50	$138.00
	KN-G12SP-10	10	$27.00	KN-G12SP4-10	10	$41.00	KN-G10SP-10	10	$31.00

Technical Specifications

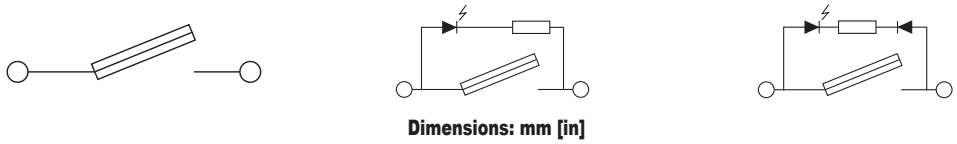
Model	KN-G12SP			KN-G12SP4			KN-G10SP		
Width	5.75 mm [0.23 in]			5mm [0.20 in]			6mm [0.24 in]		
Stripping Length	10mm [0.39 in]			10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.4 N·m [3.5 lb·in]			0.5 N·m [4.4 lb·in]			0.5 N·m [4.4 lb·in]		
Density	53 pcs/ft [173/m]			200/m [60 pcs/ft]			161/m [49 pcs/ft]		
UL/CSA Approval	—	—	26-12 AWG	—	—	26-12 AWG	—	—	26-10 AWG
VDE Approval	—	—	2.5 mm²	—	—	2.5 mm²	—	—	4mm²
CE Conformity	—	—	2.5 mm²	—	—	2.5 mm²	—	—	4mm²
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
SCCR Rating	100kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

End Covers	Yellow/Green	—	—	—	KN-ECG12SP4	10/pkg	$5.00	—	—	—
Marking Tags		KN-L5 Series			KN-L5 Series			KN-L5 Series		

KONNECT-IT® TERMINAL BLOCKS

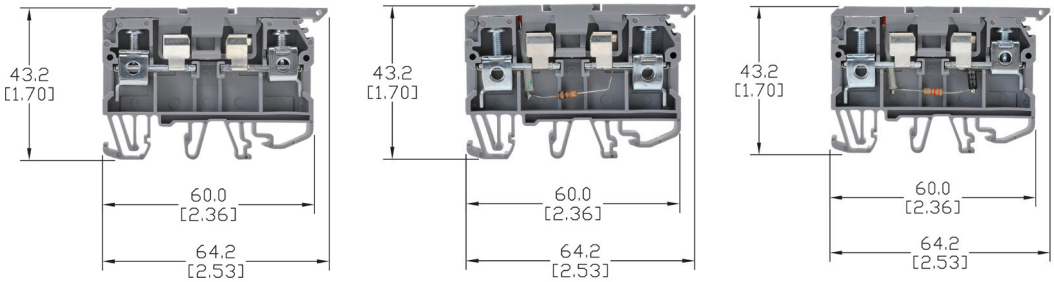
5mm x 20mm Fuse Holder Terminal Blocks



Dimensions: mm [in]

KN-F10 | **KN-F10LxxDC** | **KN-F10LxxAC**

- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-3)
- Fuse series: GMA, GMC, S500, S506



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-F10	50	$146.00	KN-F10L24DC	25	$89.00	KN-F10L24AC	25	$89.00
	KN-F10-10	10	$33.00	KN-F10L24DC-10	10	$39.00	KN-F10L24AC-10	10	$39.00
	—	—	—	KN-F10L110DC	25	$89.00	KN-F10L110AC	25	$89.00
	—	—	—	KN-F10L110DC-10	10	$39.00	KN-F10L110AC-10	10	$39.00
	—	—	—	KN-F10L220DC	25	$89.00	KN-F10L220AC	25	$89.00
	—	—	—	KN-F10L220DC-10	10	$39.00	KN-F10L220AC-10	10	$39.00

Technical Specifications

Model	KN-F10			KN-F10LxxDC			KN-F10LxxAC		
Width	8mm [0.31 in]			8mm [0.31 in]			8mm [0.31 in]		
Stripping Length	12mm [0.47 in]			12mm [0.47 in]			12mm [0.47 in]		
Tightening Torque	0.8 N·m [7.1 lb·in]			0.8 N·m [7.1 lb·in]			0.8 N·m [7.1 lb·in]		
Density	125/m [38 pcs/ft]			125/m [38 pcs/ft]			125/m [38 pcs/ft]		
UL/CSA Approval	300V	6.3A	26-8 AWG	300V	6.3A	26-8 AWG	300V	6.3A	26-8 AWG
CE Conformity	500V	6.3 A	6mm²	24/110VDC	6.3A	6mm²	24/110VAC	6.3 A	6mm²
LED Voltage	—			2 Volts			—		
Resistor Value	—			10kΩ (KN-F10L24DC), 2mA, 9-36VDC 56kΩ (KN-F10L110DC), 2mA, 60-150VDC 220kΩ (KN-F10L220DC), 1mA, 100-250VDC			4.7kΩ (KN-F10L24AC), 2.5 mA, 9-36VAC 33kΩ (KN-F10L110AC), 2mA, 60-150VAC 56kΩ (KN-F10L220AC), 2mA, 100-250VAC		
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C], Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]								
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.								
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel								
Mounting	35mm DIN rail								

Accessories

End Covers / Gray	KN-ECF10	25/pkg	$16.00	KN-ECF10	25/pkg	$16.00	KN-ECF10	25/pkg	$16.00
Marking Tags	KN-L5 Series KN-L6P5 Series			KN-L5 Series KN-L6P5 Series			KN-L5 Series KN-L6P5 Series		

KONNECT-IT TERMINAL BLOCKS Disconnect Terminal Blocks

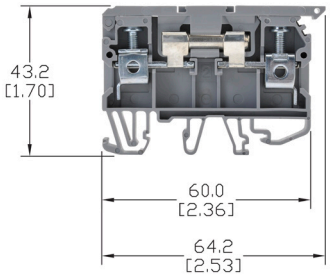
- Screw connection terminal
- UL E179129 (For copper wire only. One conductor in terminal only.)
- CE (EN 60947-7-1)



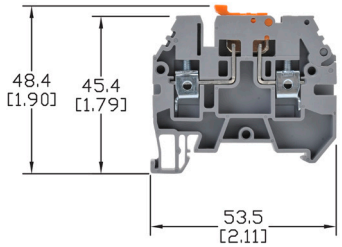
WARNING: DO NOT DISCONNECT UNDER LOAD

Dimensions: mm [in]

KN-F10-DCH



KN-KBD10



See our website: www.AutomationDirect.com for complete engineering drawings

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	KN-F10-DCH	25	$66.00	KN-KBD10	50	$109.00
	KN-F10-DCH-10	10	$35.00	KN-KBD10-10	10	$27.00

Technical Specifications

Model	KN-F10-DCH			KN-KBD10		
Width	8mm [0.31 in]			6.2 mm [0.24 in]		
Stripping Length	12mm [0.47 in]			10mm [0.39 in]		
Tightening Torque	0.8 N·m [7.1 lb·in]			0.5 N·m [4.4 lb·in]		
Density	125/m [38 pcs/ft]			166/m [50 pcs/ft]		
UL/CSA Approval	300V	6.3A	26-8 AWG	600V	16A	26-10 AWG
CE Conformity	500V	6.3 A	6mm²	500V	16A	4mm²
Operating Temperature	Ambient air temperature: -67 to 185°F [-55 to 85°C] Relative humidity: 50% max at 104°F [40°C] and 90% max at 68°F [20°C]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A. Maximum short circuit current rating for unmarked components.					
Material	Current Bar: Copper Alloy / Housing: Polyamide 66 / Screws: Zinc Plated Steel					
Mounting	35mm DIN rail					

Accessories

End Covers	Gray	KN-ECF10	25/pkg	$16.00	KN-ECKBD	10/pkg	$6.50
Marking Tags		KN-L5 Series KN-L6P5 Series			KN-L5 Series		

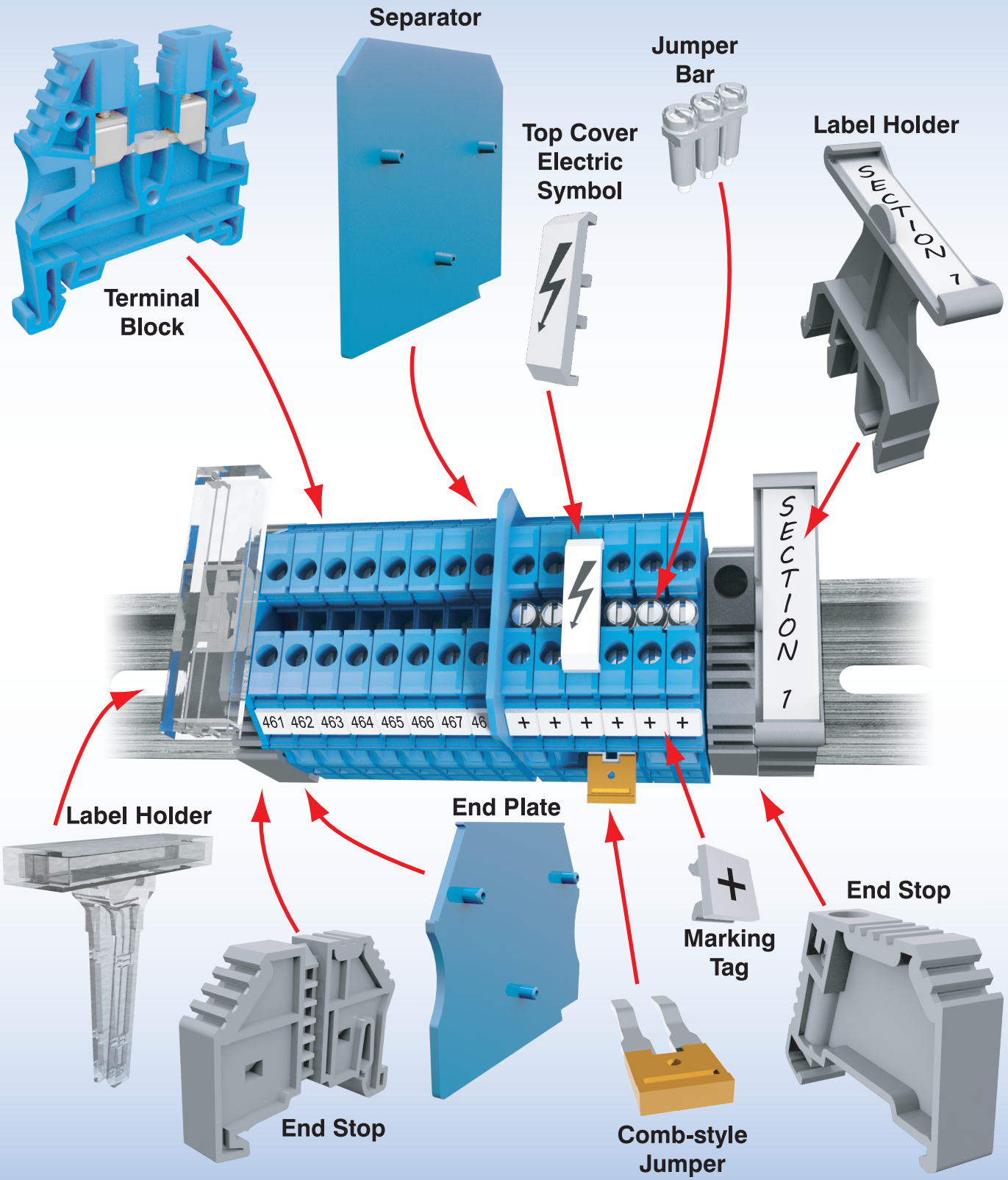
KONNECT-IT® TERMINAL BLOCKS

100kA Terminal Block Short-Circuit Current Rating Data

Short-Circuit Current Rating Data										
	Suitable Copper Conductor Range (AWG)		Fuse Class Maximum Amperage						SCCR Rating	Volts Max
Part Number	Line	Load	Class J	Class T	Class RK1	Class RK5	Class G	Class CC		
KN-T12 [2]	26-12	26-12	20	20	—	—	20	20	100 kA	600
KN-T10 [2]	26-10	26-10	30	30	—	—	30	30	100 kA	600
KN-T8 [2]	26-8	26-8	50	50	30	—	45	30	100 kA	600
KN-T6 [2]	16-6	16-6	80	80	60	30	60	30	100 kA	600
KN-T4 [2]	12-4	12-4	80	80	60	30	60	30	100 kA	600
KN-T2 [2]	12-2	12-2	125	125	100	30	60	30	100 kA	600
KN-T1/0 [3]	6-1/0	6-1/0	150	150	100	30	60	30	100 kA	600
KN-T2/0 [3]	6-2/0	6-2/0	225	225	100	60	60	30	100 kA	600
KN-D12 [1]	26-12	26-12	20	20	—	—	20	20	100 kA	600
KN-D10 [1]	26-10	26-10	30	30	—	—	30	30	100 kA	600
KN-TL14 [2]	24-12	24-12	30	30	—	—	30	30	100 kA	600
KN-TG12 [2]	24-12	24-12	30	30	—	—	30	30	100 kA	600
KN-M12 [2]	26-12	26-12	30	30	—	—	30	30	100 kA	600
KN-M10 [2]	14-12	14-12	30	30	—	—	30	30	100 kA	600

Note: [1] KN-D12 and KN-D10 have optional short circuit rating evaluated for use with copper conductors only. Must be protected by the max ampere and Class of overcurrent protective device noted above.
[2] The terminal block short-circuit rating for KN-D12 and KN-D10 were determined based on testing in a minimum size enclosure measuring 4x4x6 inches. The suitability of smaller enclosures shall be determined in the end-use investigation.
[3] The terminal block short-circuit rating for KN-T1/0 and KN-T2/0 were determined based on testing in a minimum size enclosure measuring 12x12x6 inches. The suitability of smaller enclosures shall be determined in the end-use investigation.

KONNECT-IT® TERMINAL BLOCKS ACCESSORIES



KONNECT-IT® Accessories

Multi-Pole Jumper Bars

Multi-pole jumper bars provide terminal block connection flexibility. Screw-down connection jumpers feature all-metal construction and can be installed quickly just by tightening the screws. Screwless comb-style jumpers are also available. See next page for the larger J1/0 jumper installation instructions.

KN-10J12 

KN-2JM12 

KN-2JCC8 

Multi-Pole Jumper Bars Ordering Information

Type	Part Number	Price	Qty	Number of Poles	Rating		Tightening Torque	Dimensions - mm [in]			Fig.	Works With
								Height	Length	Width		
Screw-down connection	KN-2J12	$13.00	25	2	750V	24A	0.4– 0.6 Nm [3.5–5.3 lb-in]	15.8 [0.62]	10.1 [0.40]	4.4 [0.17]	1	KN-T12xx KN-D12xx KN-D12X KN-D12DR1 KN-D12LEDxx
	KN-3J12	$16.00	20	3					15.3 [0.60]			
	KN-4J12	$20.00	15	4					20.4 [0.80]			
	KN-10J12	$13.00	5	10					51.1 [2.01]			
	KN-2J10	$19.00	25	2	750V	32A	0.6– 0.8 Nm [5.3–7.1 Lb-In]	15.5 [0.61]	10.8 [0.43]	6.0 [0.24]	1	KN-T10xx KN-D10xx KN-D10X KN-D10DR1 KN-D10LEDxx
	KN-3J10	$23.00	20	3					17.0 [0.67]			
	KN-4J10	$23.00	15	4					23.0 [0.91]			
	KN-10J10	$16.00	5	10					59.0 [2.32]			
	KN-2J8	$20.00	25	2	630V	41A	0.6– 0.8 Nm [5.3–7.1 lb-In]	15.5 [0.61]	14.3 [0.56]	6.0 [0.24]	1	KN-T8xx
	KN-3J8	$24.00	20	3					22.3 [0.88]			
	KN-4J8	$24.00	15	4					30.3 [1.19]			
	KN-10J8	$19.00	5	10					78.3 [3.08]			
	KN-2J6	$25.00	25	2	630V	57A	0.6– 0.8 Nm [5.3–7.1 lb-In]	15.5 [0.61]	18.0 [0.71]	6.0 [0.24]	1	KN-T6xx
	KN-3J6	$26.00	20	3					28.0 [1.10]			
	KN-4J6	$26.00	15	4					38.0 [1.50]			
	KN-10J6	$20.00	5	10					98.0 [3.86]			
	KN-2J4	$39.00	25	2	750V	76A	0.6– 0.8 Nm [5.3–7.1 lb-In]	23.0 [0.91]	21.0 [0.83]	6.0 [0.24]	1	KN-T4xx
	KN-3J4	$41.00	20	3					33.0 [1.30]			
	KN-4J4	$41.00	15	4					45.0 [1.77]			
	KN-10J4	$32.00	5	10					117.0 [4.61]			
	KN-2J2	$40.00	25	2	750V	125A	1.2–1.4 Nm [10.6–12.4 lb-In]	21.0 [0.83]	29.0 [1.14]	8.0 [0.31]	1	KN-T2xx
	KN-3J2	$43.00	20	3					45.0 [1.77]			
	KN-4J2	$43.00	15	4					61.0 [2.40]			
	KN-10J2	$32.00	5	10					157.0 [6.18]			
	KN-2J1/0	$12.00	5	2	1000V	150A	2.5–3.5 Nm [22.1–31.0 lb-In]	22.3 [0.88]	36.0 [1.42]	12.0 [0.47]	2	KN-T1/0xx
	KN-3J1/0	$20.00	5	3					56.0 [2.20]			
	KN-4J1/0	$26.00	5	4					76.0 [2.99]			
	KN-2JTL12	$20.00	25	2	440V	24A	0.4–0.6 Nm [3.5 - 5.3 lb-In]	15.5 [0.61]	11.0 [0.43]	4.4 [0.17]	1	KN-DG12 KN-TG12 KN-TL14 KN-TL14S KN-TL14SLN KN-TL14SLP
	KN-3JTL12	$25.00	20	3					17.0 [0.67]			
	KN-4JTL12	$24.00	15	4					23.0 [0.91]			
	KN-10JTL12	$20.00	5	10					59.0 [2.32]			
Push-in Connection	KN-2JM10	$12.00	25	2	750V	32A	–	23.2 [0.91]	9.5 [0.37]	2.7 [0.11]	3	KN-M10xx KN-KBD10
	KN-3JM10	$15.00	20	3					15.5 [0.61]			
	KN-4JM10	$17.00	15	4					21.5 [0.85]			
	KN-10JM10	$16.00	5	10					57.5 [2.26]			
	KN-2JM12	$12.00	25	2	750V	24A	–	21.7 [0.85]	8.0 [0.31]	2.3 [0.09]	3	KN-M12xx KN-T12SP4
	KN-3JM12	$13.00	20	3					13.0 [0.51]			
	KN-4JM12	$13.00	15	4					18.0 [0.71]			
	KN-10JM12	$15.00	5	10					48.0 [1.89]			
Screwless Comb-style	KN-2JCC12	$17.00	25	2	750V	24A	–	23.7 [0.93]	8.0 [0.31]	2.8 [0.11]	4	KN-T12xx
	KN-2JCC10	$34.00	25		750V	32A	–	24.7 [0.97]	9.5 [0.37]			KN-T10xx
	KN-2JCC8	$36.00	25		630V	41A	–	25.6 [1.01]	13.5 [0.53]			KN-T8xx
	KN-2JCC6	$40.00	25		630V	57A	–	26.7 [1.05]	16.0 [0.63]	3.9 [0.15]		KN-T6xx

Figure 1

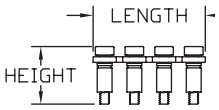


Figure 2

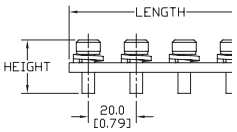


Figure 3

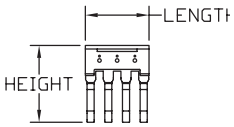
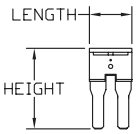


Figure 4



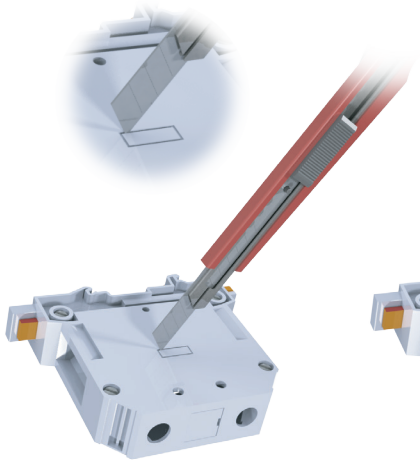
Please visit our website www.AutomationDirect.com for complete engineering drawings.

Screwless Comb-Style jumpers are designed to be connected under the conductor clamp.

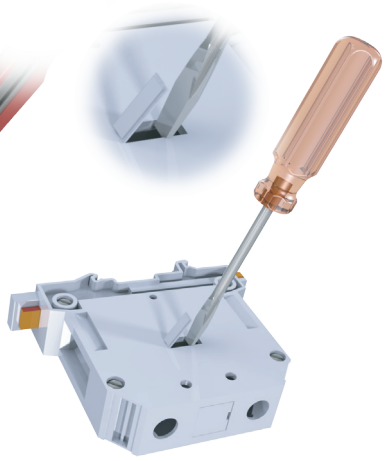
KONNECT-IT® TERMINAL BLOCKS

J1/0 Jumper Installation Instructions

Score Knockout Panel



Remove Knockout Panel



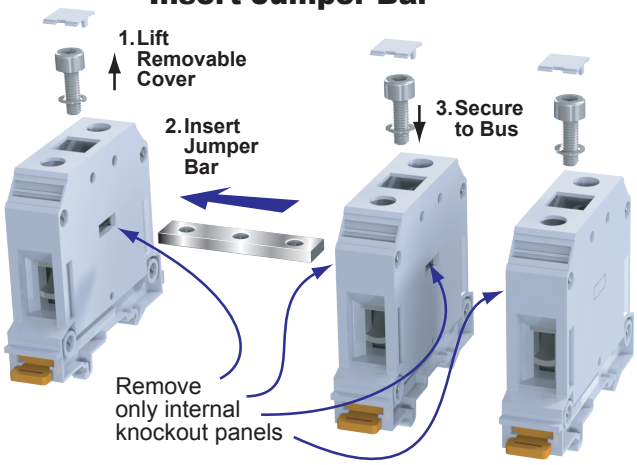
Applicable to terminal blocks

- KN-T1/0GRY
- KN-T1/0GRY-10
- KN-T1/0BLU
- KN-T1/0BLU-10

Applicable to jumpers

- KN-2J1/0
- KN-3J1/0
- KN-4J1/0

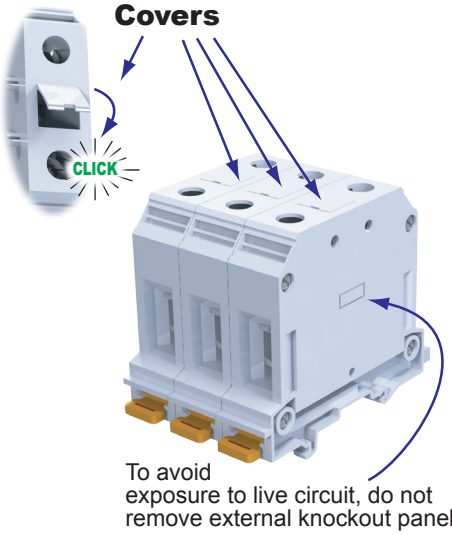
Insert Jumper Bar



IMPORTANT!

To avoid shock hazard
- Leave external knockout panels intact
- Install removable covers into original position.

Replace Removable Covers



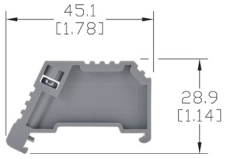
KONNECT-IT® Accessories

End Brackets

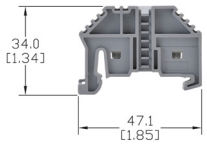
End brackets prevent terminal blocks and other DIN rail mount components and devices from moving laterally on the rail. They are constructed from polyamide 66 and available in configurations for 35mm and 15mm DIN rails.

Dimensions mm [in]

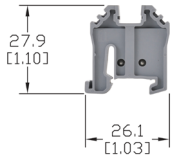
KN-EB3



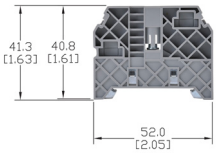
KN-EB4



KN-EB5



KN-EB7



End Brackets Ordering Information												
Gray End Brackets	***KN-EB3***	100/pkg	$53.00	***KN-EB4***	100/pkg	$55.00	***KN-EB5***	100/pkg	$80.00	***KN-EB7***	50/pkg	$55.00
	KN-EB3-10	10/pkg	$7.00	***KN-EB4-10***	10/pkg	$5.00	***KN-EB5-10***	10/pkg	$9.00	***KN-EB7-10***	10/pkg	$11.00

Technical Specifications				
Description	Screw-type end bracket	Screwless end bracket	Screwless end bracket	Screw-type end bracket
Bracket Width	8 mm [0.31 in]	8 mm [0.31 in]	8 mm [0.31 in]	10 mm [0.39 in]
Mounting	35mm DIN rail	35mm DIN rail	15mm DIN rail	35mm DIN rail
Material	Housing: Polyamide 66 / Clamping Connector: Zinc Plated Steel			

End Bracket Accessories												
Label Holder	—	—	—	***KN-MA-1***	25/pkg	$23.50	—	—	—	***KN-MA-2***	50/pkg	$59.00
	—	—	—	***KN-MA-1-10***	10/pkg	$10.50	—	—	—	***KN-MA-2-10***	10/pkg	$14.00
Marking Tags	KN-L5 Series or KN-L6P5 Series											

End Covers

End covers are used to cover the open side of sectional DIN rail mount terminal blocks. They should be used at the end of an assembly of identical terminal blocks or whenever there is a change in the physical size of the terminal block.
Material: Polyamide 66



End Covers Ordering Information											
Part Number	***Color***	***Dimensions H x L x W mm [in]***	***Works With***	***Qty***	***Price***	***Part Number***	***Color***	***Dimensions H x L x W mm [in]***	***Works With***	***Qty***	***Price***
KN-ECT6GRY	Gray	34.0x42.7x1.3 [1.34x1.68x0.05]	KN-T12 KN-T10 KN-T8 KN-T6	100	$29.00	***KN-ECDORG***	Orange	48.2x63.2x1.3 [1.90x2.49x0.05]	KN-D10 KN-D12	10	$7.00
KN-ECT6GRY-25	Gray			25	$6.50	***KN-ECDRED***	Red				$7.00
KN-ECT6BLU	Blue			10	$3.50	***KN-ECDYEL***	Yellow				$7.00
KN-ECT6BLK	Black				$3.50	***KN-ECTL***	Gray	54.7x87.1x1.3 [2.15x3.43x0.05]	KN-TL14	10	$4.00
KN-ECT6BRN	Brown				$3.50	***KN-ECTLS***	Grayy	54.7x72.8x1.2 [2.15x2.87x0.05]	KN-TL14S	10	$5.00
KN-ECT6GRN	Green				$3.50	***KN-ECDG12***	Gray	48.0x71.4x1.2 [1.89x2.81x0.05]	KN-DG12	10	$5.00
KN-ECT6ORG	Orange				$3.50	***KN-ECTG12***	Gray	62.5x87.5x1.2 [2.46x3.44x0.05]	KN-TG12	10	$5.00
KN-ECT6RED	Red				$3.50	***KN-ECMGRY***	Gray	28.1x27.0x3.0 [1.11x1.06x0.12]	KN-M12 KN-M10	100	$61.00
KN-ECT6WHT	White				$3.50	***KN-ECMGRY-10***	Gray			10	$6.50
KN-ECT6YEL	Yellow				$3.50	***KN-ECMBLU***	Blue				$6.50
KN-ECT4GRY	Gray	45.7x52.8x1.2 [1.80x2.08x0.05]	KN-T4	25	$14.00	***KN-ECMGRN***	Green Yellow	28.1x27.0x3.0 [1.11x1.06x0.12]	KN-MG12 KN-MG10	10	$6.50
KN-ECT4BLU	Blue			10	$6.00	***KN-ECG12SP4***	Green Yellow	39.7x57.1x1.2 [1.56x2.25x0.05]	KN-G12SP4	10	$5.00
KN-ECDGRY	Gray	48.2x63.2x1.3 [1.90x2.49x0.05]	KN-D10 KN-D12	25	$15.00	***KN-ECT12SP4***	Gray	39.7x57.1x1.2 [1.56x2.25x0.05]	KN-T12SP4	25	$13.00
KN-ECDBLU	Blue			10	$7.00	***KN-ECF10***	Gray	27.3x59.6x1.2 [1.07x2.35x0.05]	KN-F10	25	$16.00
KN-ECDBLK	Black				$7.00	***KN-ECKBD***	Gray	37.1x53.5x1.2 [1.46x2.11x0.05]	KN-KDB10	10	$6.50
KN-ECDGRN	Green				$7.00						

KONNECT-IT® Accessories

Separators

Separators are used to segment banks of terminal blocks. Allows you to maintain a single row of terminal blocks, but have separate power source clusters.

Separators Ordering Information

Part Number	Color	Works With	Dimensions - mm [in]			Qty	Price
			Height	Length	Thickness		
KN-ST1GRY	Gray	KN-T12 KN-T10 KN-T8 KN-T6	39.0 [1.54]	42.5 [1.67]	1.2 [0.05]	25	$12.50
KN-ST1BLU	Blue					10	$4.75
KN-ST1BLK	Black						$4.75
KN-ST1BRN	Brown						$4.75
KN-ST1GRN	Green						$4.75
KN-ST1ORG	Orange						$4.75
KN-ST1RED	Red						$4.75
KN-ST1WHT	White						$4.75
KN-ST1YEL	Yellow						$4.75
KN-ST2GRY	Gray	KN-T4	52.5 [2.07]	50.5 [1.99]	1.5 [0.06]	25	$16.00
KN-ST2BLU	Blue					10	$16.00
KN-ST3GRY	Gray	KN-T2	62.6 [2.46]	53.1 [2.09]	1.5 [0.06]		$8.00
KN-ST3BLU	Blue						$8.00

KN-ST1GRY



Top Covers and Label Holders

Top Covers and Label Holders Ordering Information

Part Number	Description	Works With	Dimensions - mm [in]			Qty	Price
			Height	Length	Width		
KN-TC-1	Top cover for Konnect-It terminal block, blank, white	KN-T12 KN-T10 KN-T8 KN-T6	6.8 [0.27]	29.0 [1.14]	5.8 [0.23]	25	$9.75
KN-TC-1S	Top cover for Konnect-It terminal block, printed electric symbol, white					25	$14.00
KN-TC-2	Top cover for Konnect-It terminal block, blank, white	KN-T4 KN-T2	7.3 [0.29]	35.8 [1.41]	9.0 [0.35]	25	$25.00
KN-TC-2S	Top cover for Konnect-It terminal block, printed electric symbol, white					25	$25.00
KN-MA-1	Label holder for terminal block group. Label media not included. Adhesive label: Apply on top. Max label dimensions: 7 x 44 mm (0.28 x 1.73 in).	KN-EB4	46.2 [1.82]	46.0 [1.81]	11.4 [0.45]	25	$23.50
KN-MA-1-10						10	$10.50
KN-MA-2	Label holder for terminal block group. Label media not included. Adhesive label: Apply on top. Max label dimensions: 7 x 44 mm (0.28 x 1.73 in).	KN-EB7	37.5 [1.48]	46.2 [1.82]	9.5 [0.37]	50	$59.00
KN-MA-2-10						10	$14.00
KN-MA-3	Top mounting marking tag adapter for terminal block. Holds up to (4) L5x5 tags	KN-T4 KN-T2	9.3 [0.36]	36.0 [1.42]	9.0 [0.35]	25	$15.50
KN-MA-4	Top mounting marking tag adapter for terminal block. Holds up to (4) L5x5 tags	KN-T12 KN-T10 KN-T8 KN-T6	9.0 [0.35]	29.0 [1.14]	5.7 [0.22]	25	$14.00
KN-MA-5	Label holder for terminal block group. Label media included. Max label dimensions: 10 x 38mm (0.39 x 1.50 in). Thickness 0.30 mm (0.01 in)	Attaches to any 35mm DIN rail	46.4 [1.83]	44.5 [1.75]	10.0 [0.39]	50	$48.00
KN-MA-5-25						25	$29.50

KN-MA-1



KN-MA-2



KN-MA-5



KN-TC-1 / KN-TC-2



KN-TC-1S / KN-TC-2S



KN-MA-3



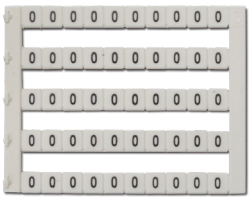
KN-MA-4



KONNECT-IT® Accessories

Marking Tags 5 x 5mm

Use with any KONNECT-IT series terminal blocks.







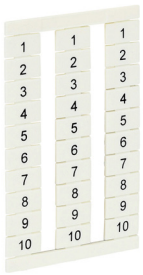
5 x 5mm Marking Tags Ordering Information

250 Pieces per Package						500 Pieces per Package					
Part Number	Imprint	Price	Part Number	Imprint	Price	Part Number	Imprint	Price	Part Number	Imprint	Price
KN-L5-BLANK-250	Blank	$13.00	KN-L5-A-250	A	$13.00	KN-L5-BLANK	Blank	$20.00	KN-L5-A	A	$24.00
KN-L5-0-250	0	$13.00	KN-L5-B-250	B	$13.00	KN-L5-0	0	$24.00	KN-L5-B	B	$24.00
KN-L5-1-250	1	$13.00	KN-L5-C-250	C	$13.00	KN-L5-1	1	$24.00	KN-L5-C	C	$24.00
KN-L5-2-250	2	$13.00	KN-L5-D-250	D	$13.00	KN-L5-2	2	$24.00	KN-L5-D	D	$24.00
KN-L5-3-250	3	$13.00	KN-L5-E-250	E	$13.00	KN-L5-3	3	$24.00	KN-L5-E	E	$24.00
KN-L5-4-250	4	$13.00	KN-L5-F-250	F	$13.00	KN-L5-4	4	$24.00	KN-L5-F	F	$24.00
KN-L5-5-250	5	$13.00	KN-L5-G-250	G	$13.00	KN-L5-5	5	$24.00	KN-L5-G	G	$24.00
KN-L5-6-250	6	$13.00	KN-L5-H-250	H	$13.00	KN-L5-6	6	$24.00	KN-L5-H	H	$24.00
KN-L5-7-250	7	$13.00	KN-L5-I-250	I	$13.00	KN-L5-7	7	$24.00	KN-L5-I	I	$24.00
KN-L5-8-250	8	$13.00	KN-L5-J-250	J	$13.00	KN-L5-8	8	$24.00	KN-L5-J	J	$25.00
KN-L5-9-250	9	$13.00	KN-L5-K-250	K	$13.00	KN-L5-9	9	$24.00	KN-L5-K	K	$25.00
KN-L5-10-250	10	$13.00	KN-L5-L-250	L	$12.50	KN-L5-10	10	$24.00	KN-L5-L	L	$24.00
KN-L5-1-10-250	1-10	$13.00	KN-L5-M-250	M	$13.00	KN-L5-1-10	1-10	$24.00	KN-L5-M	M	$25.00
KN-L5-11-20-250	11-20	$13.00	KN-L5-N-250	N	$12.50	KN-L5-11-20	11-20	$24.00	KN-L5-N	N	$24.00
KN-L5-21-30-250	21-30	$13.00	KN-L5-O-250	O	$12.50	KN-L5-21-30	21-30	$24.00	KN-L5-O	O	$24.00
KN-L5-31-40-250	31-40	$13.00	KN-L5-P-250	P	$13.00	KN-L5-31-40	31-40	$24.00	KN-L5-P	P	$25.00
KN-L5-41-50-250	41-50	$13.00	KN-L5-Q-250	Q	$13.00	KN-L5-41-50	41-50	$24.00	KN-L5-Q	Q	$25.00
KN-L5-1-50-250	1-50	$13.00	KN-L5-R-250	R	$12.50	KN-L5-1-50	1-50	$24.00	KN-L5-R	R	$24.00
KN-L5-51-100-250	51-100	$13.00	KN-L5-S-250	S	$12.50	KN-L5-51-100	51-100	$24.00	KN-L5-S	S	$24.00
KN-L5-101-150-250	101-150	$13.00	KN-L5-T-250	T	$12.50	KN-L5-101-150	101-150	$24.00	KN-L5-T	T	$24.00
KN-L5-151-200-250	151-200	$13.00	KN-L5-U-250	U	$13.00	KN-L5-151-200	151-200	$24.00	KN-L5-U	U	$25.00
KN-L5-201-250-250	201-250	$13.00	KN-L5-V-250	V	$12.50	KN-L5-201-250	201-250	$24.00	KN-L5-V	V	$24.00
KN-L5-251-300-250	251-300	$13.00	KN-L5-W-250	W	$13.00	KN-L5-251-300	251-300	$24.00	KN-L5-W	W	$25.00
KN-L5-301-350-250	301-350	$13.00	KN-L5-X-250	X	$12.50	KN-L5-301-350	301-350	$24.00	KN-L5-X	X	$24.00
KN-L5-351-400-250	351-400	$13.00	KN-L5-Y-250	Y	$12.50	KN-L5-351-400	351-400	$24.00	KN-L5-Y	Y	$24.00
KN-L5-401-450-250	401-450	$13.00	KN-L5-Z-250	Z	$13.00	KN-L5-401-450	401-450	$24.00	KN-L5-Z	Z	$25.00
KN-L5-451-500-250	451-500	$13.00	KN-L5-POS-250	+	$12.50	KN-L5-451-500	451-500	$24.00	KN-L5-POS	+	$24.00
KN-L5-L1-250	L1	$12.50	KN-L5-NEG-250	-	$12.50	KN-L5-L1	L1	$24.00	KN-L5-NEG	-	$24.00
KN-L5-L2-250	L2	$12.50	KN-L5-GND-250	GND	$13.00	KN-L5-L2	L2	$24.00	KN-L5-GND	GND	$24.00
KN-L5-L3-250	L3	$12.50				KN-L5-L3	L3	$24.00			

KONNECT-IT® Accessories

Marking Tags
6 x 11.5 mm

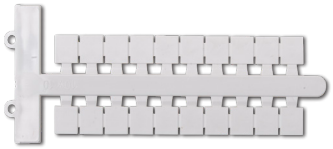
Use with Konnect-It series terminal blocks 6.5mm or wider.



Marking Tags 6 x 11.5mm			
Part Number	***Description***	***Qty***	***Price***
KN-L6P5-BLNK	Blank	500	Retired
KN-L6P5-BLNK-250	Blank	250	Retired
KN-L6P5-BLNK-300	Blank	300	$15.00
KN-L6P5-1-10	Numbered 1-10	500	$57.00
KN-L6P5-1-10-250	Numbered 1-10	250	$31.50
KN-L6P5-1-10-300	Numbered 1-10	300	$34.00
KN-L6P5-11-20	Numbered 11-20	500	$57.00
KN-L6P5-11-20-250	Numbered 11-20	250	$31.50
KN-L6P5-11-20-300	Numbered 11-20	300	$34.00
KN-L6P5-21-30	Numbered 21-30	500	$57.00
KN-L6P5-21-30-250	Numbered 21-30	250	$31.50
KN-L6P5-21-30-300	Numbered 21-30	300	$34.00
KN-L6P5-31-40	Numbered 31-40	500	$57.00
KN-L6P5-31-40-250	Numbered 31-40	250	$31.50
KN-L6P5-31-40-300	Numbered 31-40	300	$34.00
KN-L6P5-41-50	Numbered 41-50	500	$57.00
KN-L6P5-41-50-250	Numbered 41-50	250	$31.50
KN-L6P5-41-50-300	Numbered 41-50	300	$34.00
KN-L6P5-51-60	Numbered 51-60	500	$57.00
KN-L6P5-51-60-250	Numbered 51-60	250	$31.50
KN-L6P5-51-60-300	Numbered 51-60	300	$34.00
KN-L6P5-61-70	Numbered 61-70	500	$57.00
KN-L6P5-61-70-250	Numbered 61-70	250	$31.50
KN-L6P5-61-70-300	Numbered 61-70	300	$34.00
KN-L6P5-71-80	Numbered 71-80	500	$57.00
KN-L6P5-71-80-250	Numbered 71-80	250	$31.50
KN-L6P5-71-80-300	Numbered 71-80	300	$34.00
KN-L6P5-81-90	Numbered 81-90	500	$58.00
KN-L6P5-81-90-250	Numbered 81-90	250	$32.00
KN-L6P5-91-100	Numbered 91-100	500	$58.00
KN-L6P5-91-100-250	Numbered 91-100	250	$32.00

Marking Tags
5 x 10mm, 6 x 10mm, 10 x 10mm

Use with Konnect-It series terminal blocks 5 x 10mm, 6 x 10mm, and 10 x 10mm.



Marking Tags			
Part Number*	***Description***	***Qty***	***Price***
KN-L5X-BLNK	Blank marking tag, 5 x 10mm, use with any Konnect-It terminal block series	440	$21.50
KN-L5X-BLNK-220	Blank marking tag, 5 x 10mm, use with any Konnect-It terminal block series	220	$11.50
KN-L6X-BLNK	Blank marking tag, 6 x 10mm, use with any Konnect-It terminal block 6mm or wider	360	$18.50
KN-L6X-BLNK-180	Blank marking tag, 6 x 10mm, use with any Konnect-It terminal block 6mm or wider	180	$9.75
KN-L10X-BLNK	Blank marking tag, 10 x 10mm, use with any Konnect-It terminal block 10mm or wider	200	$29.00
KN-L10X-BLNK-100	Blank marking tag, 10 x 10mm, use with any Konnect-It terminal block 10mm or wider	100	$16.00

***Does not fit any KN-T1/0xx or KN-G1/0 series block**

DINnectors® - The quality is in the details!

Virtually vibration-proof clamping system
- Provides excellent resistance to screw loosening caused by vibration or shock
- Large contact area due to "V" formed bottom portion of clamp
- Proven design - millions in use today

Internal jumpers
- Frees up valuable wiring space

Protective moldings
- Safe design prevents accidental contact with live parts.

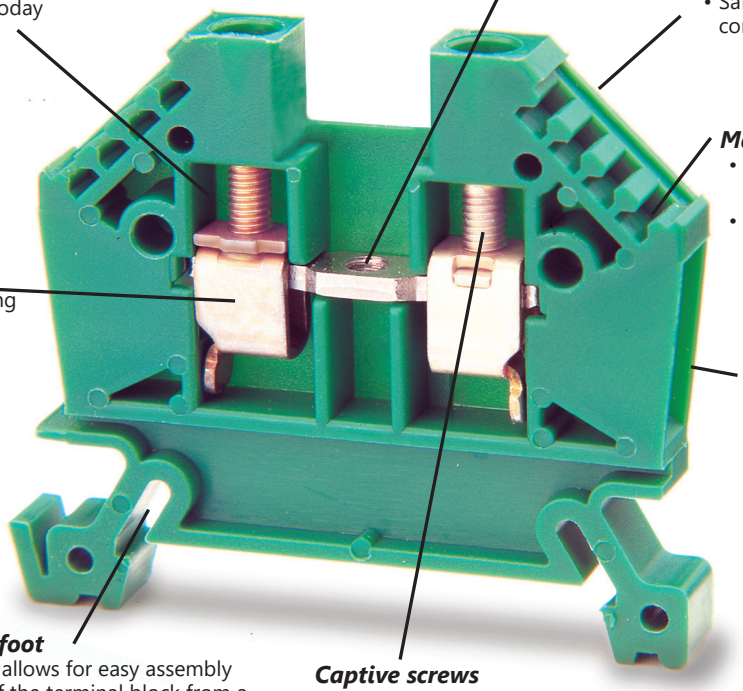
Marking system
- Inclined at a 45° angle for easy reading
- Can be marked by hand or preprinted from 0-1000

Wire stops
- Stops wires from being inserted too far

Funneled wire entry
- Allows for fast and easy insertion of the wire into the clamp
- Closed on all four sides for safety

Agency Approvals

- * UL rating for copper wire only



Snap-on solid foot
- Robust design allows for easy assembly and removal of the terminal block from a DIN rail with a screwdriver

Captive screws
- Screws cannot be dropped or lost during wiring
- Supplied fully backed out and ready to wire

1 Quality materials

DIN*nector*s are manufactured from Polyamide 6.6 plastic with very good electrical, mechanical, and chemical properties. This UL-approved material has a flammability rating of V2 (self-extinguishing) according to UL94. It has a continuous upper temperature limit of 105°C, and a lower temperature limit of -20°C. The Comparative Tracking Index is CTI>600, with an average humidity absorption of 3-4 percent.

DIN*nector*s screws and clamps are manufactured from hardened steel plated with a zinc-dichromate corrosion-resistant finish. The current bars are made from a copper alloy with a tin/lead plating.

DIN*nector*s terminal blocks boast a long-term storage temperature range of -13°F to 131°F (-25°C to 55°C).

2 Self-locking clamps

DIN*nector*s terminal blocks are designed with self-locking vibration-resistant clamps, unlike many of our competitors' products. When tightening the screw, the clamp travels up like an elevator, and presses the wire against the conductor. When the wire is fully compressed, the clamp's upper thread overlap springs open and locks the screw threads, preventing the screw from loosening. This "spring-effect" ensures a reliable contact that is virtually impervious to vibration and temperature cycling. When adequately tightened, DIN*nector*s terminal block screw clamps should never require re-tightening.

3 High-contact pressure

Continuous, high-contact pressure is essential for a reliable connection. Even the best conductors give poor results if the contact pressure is insufficient. Low-contact pressure causes aggravating and dangerous intermittent connections. DIN*nector*s terminal block screw clamp connection technology offers the highest contact pressure available. DIN*nector*s 12 AWG terminal block produces a high contact force of approximately 169 ft/lbs (750 Nm).

4 Low voltage drop

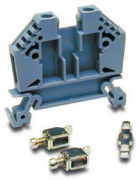
Many electrical engineers consider voltage drop values across the connection points to be an excellent measure of the quality of the terminal block. Low voltage drop means low contact resistance, which indicates a stable and quality contact between the conductor and the terminal block. DIN*nector*s terminal blocks distinguish themselves with very low voltage drop values, which are well under the limits established by various international standards.

5 Gas-tight connections

According to DIN standard 41640 part 76, terminal blocks must be tested in a specific, aggressive gas-filled environment. After these tests, DIN*nector*s terminal block contact surfaces showed no signs of corrosion, even with small conductors.

Save BIG with our terminal blocks

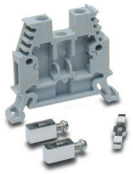
AutomationDirect DINnectors® Terminal connector



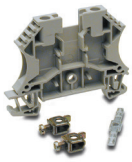
Why are you paying more for other brands?

All the terminal blocks shown here look pretty much the same. So with our quality features and great prices, it should be easy to choose DIN*nectors*.

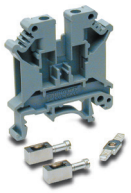
And of course, if you're not completely satisfied with DIN*nectors* for any reason, use our 30-day money-back guarantee to return them.



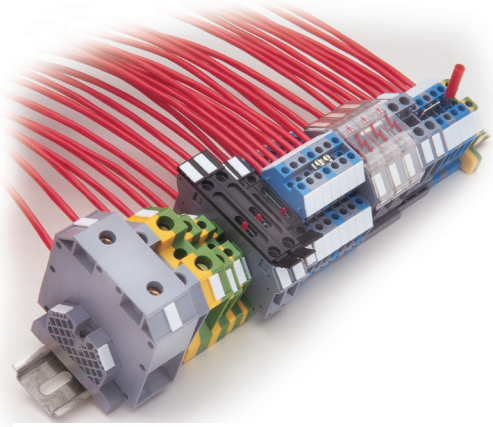
Allen Bradley
Terminal connector



Weidmuller
Terminal connector

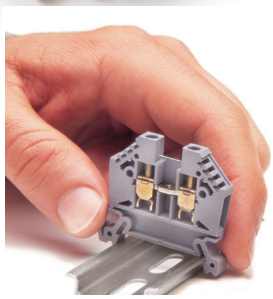


Phoenix Contact
Terminal connector



DINnectors®

Specifying a Terminal Block System



Step 1: Select the type

Choose from the many types of terminal blocks as required for your system: screw-type or screwless, feed-through, multi-level, mini, ground, fuse, disconnect or direct mount.

Step 2: Determine the electrical specifications

Determine your requirements for the maximum wire size, current, and voltage for each terminal block.

Step 3: Select the accessories

Choose between deep or shallow then select the appropriate end cover(s) and end brackets. Then decide if you would like to use internal jumpers, top covers, angled support brackets, test plugs, separators, or blank or printed marking tags.

Step 4: Calculate the rail length

Calculate the density per foot of each type and quantity of terminal block in your assembly to determine the total rail length. Remember to add 1/2 inch for each rail end to accommodate rail mounting screws. Also add 0.0008" (0.2 mm) tolerance per terminal, plus the width of the end brackets, end covers, and any separators.

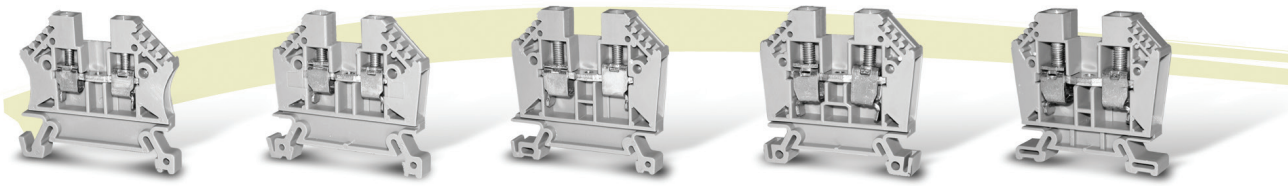
Step 5: Place your order!

Call 1-800-633-0405 or visit our Web site at www.automationdirect.com to order.

Screw-type DIN*nectors* At a Glance

Feed-through Terminal Blocks

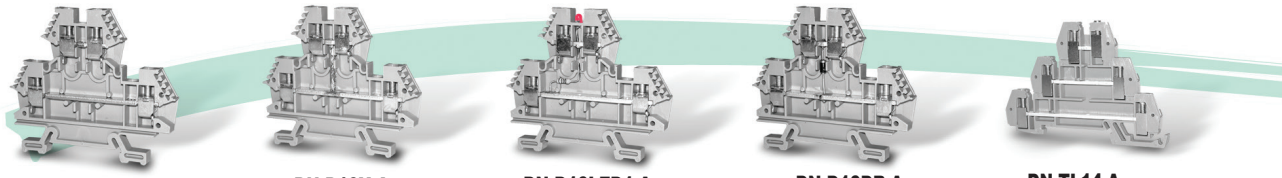
Feed-through terminal blocks are available in a number of colors and wire size options to ensure flexibility and ease of installation for your DIN-rail mounted connection system.



DN-T12-A | DN-T10-A | DN-T8 | DN-T6 | DN-T4

Multi-level/Sensor Terminal Blocks

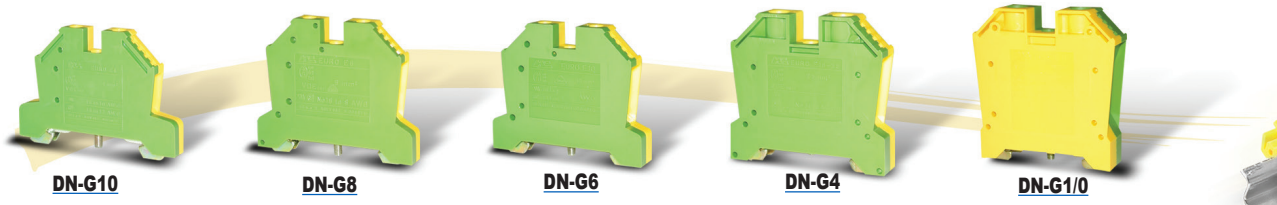
Double-level terminal blocks offer twice the wiring density of feed-through blocks. Triple-level blocks enable either high-density wiring or simplified, low-cost sensor wiring.



DN-D10-A | DN-D10X-A | DN-D10LED1-A | DN-D10DR-A | DN-TL14-A

Ground Terminal Blocks

Ground terminal blocks are used to mechanically and electrically connect wires to the DIN rail, thus allowing the rail to function as a ground bus bar.



DN-G10 | DN-G8 | DN-G6 | DN-G4 | DN-G1/0

Circuit Protection Blocks

Fuse blocks provide easily-replaceable fuse protection for PLC output devices or modules. They are available for 1/4", 5 mm Midget and Class CC size fuses.



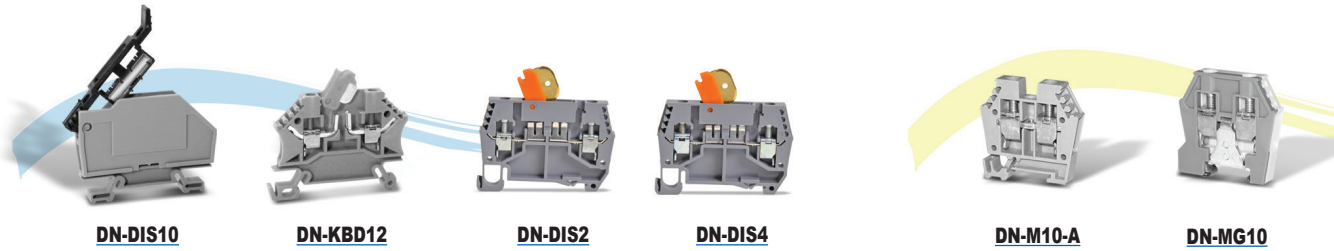
DN-F6 | DN-F6L | DN-F10 | DN-F10L | DN-FEx plus DN-DPx

Disconnect Terminal Blocks

Convenient operation allows fast circuit disconnection without rewiring.

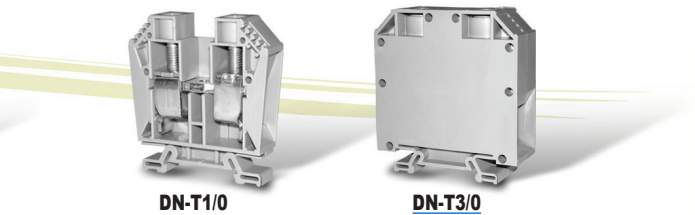
Mini Terminal Blocks

Mini terminal blocks are used in areas with extremely limited space requirements.

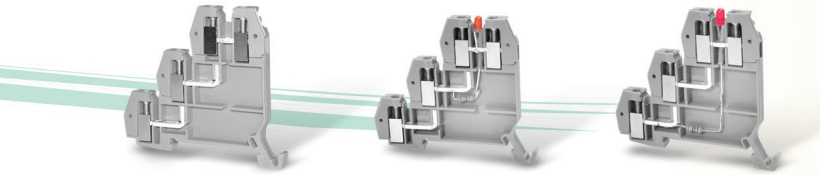


DN-DIS10 | DN-KBD12 | DN-DIS2 | DN-DIS4 | DN-M10-A | DN-MG10

DINnectors®



DN-T1/0 DN-T3/0

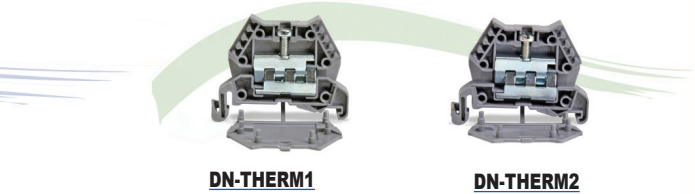


DN-TL14-A DN-TL14SLP-A DN-TL14SLN-A



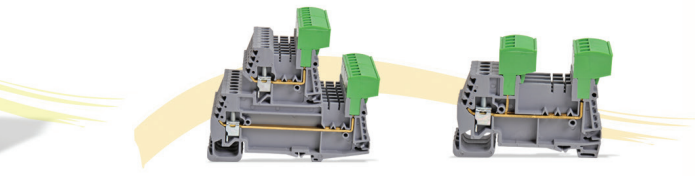
Many DIN*nectors* are available in 8 colors!

Thermocouple Blocks — Single clamp design allows excellent connection to all types of thermocouple wiring.



DN-THERM1 DN-THERM2

Plug-in Blocks — Plug-in terminal blocks allow for quicker installation of field device wiring and reduces the chance for incorrect wiring.



DN-EMXM1 (plugs sold separately) DN-EMXDV (plugs sold separately)

DIN**nector* **standard terminal blocks

- Polyamide 6.6 plastic molding
- Zinc dichromate-plated, hardened steel screws and clamps
- Nickel-plated, copper current bar
- Single or double-level blocks

Triple-level terminal blocks

- Four types, with and without LED
- Extremely compact 5 mm thick design
- 300V, 10A, 26 to 14 AWG
- UL/CE approvals

Colored terminal blocks

- Used for specially identifying circuits for ease of wiring and troubleshooting
- Available in standard gray, as well as blue, black, red, yellow, green, orange and white for the DN-T12-A, DN-T10-A and DN-T8 feed-through terminals. The DN-D10-A double-level terminal blocks are available in all of the above colors except white.

Circuit Protection blocks

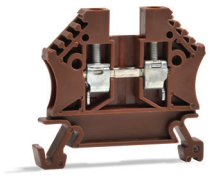
- Quick and easy DIN-rail mounting
- Available with long lasting neon or LED indicator light for quick troubleshooting
- UL approval for supplementary protection; CE approved

Specialty blocks

- Thermocouple blocks
- Plug-in blocks
- Disconnect blocks
- Mini terminal blocks

DINnectors Component Overview *(screw type)*

DIN*nectors* Terminal Blocks

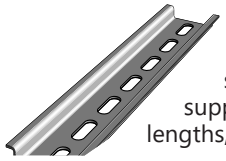


The screw-type DIN*nectors* series includes standard, double and triple level terminal blocks, some in up to seven colors. Fuse blocks are also available.

Accessories

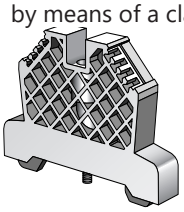
Mounting rail (required)

Allows multiple blocks to be mounted to a panel, and may also be used as a ground bus bar. Rails meet international standards and are supplied in 3'3"(1m) lengths, slotted steel.



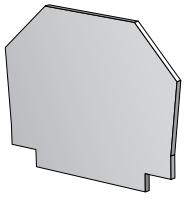
End bracket (required)

Used to add rigidity to a terminal block assembly and prevent sliding along the rail by mounting one polyamide end bracket at each end of an assembly. End brackets attach directly to the DIN rail by means of a clamping foot and can accept marking tags to serve as a group marker.



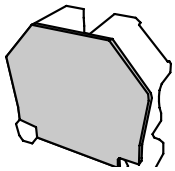
End cover (required)

Provides electrical insulation for the exposed metal components of the last terminal block in an assembly. Interlocking pins secure the polyamide end cover to the terminal block while allowing easy insertion and removal. When the size of blocks change in an assembly, an end cover is required to insulate the open side of the block.



Separator

Used to electrically or visually separate groups of terminal blocks, or to electrically insulate adjacent internal jumpers. Separators project beyond the terminal block on all sides.



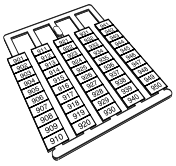
Jumpers

Used to electrically interconnect two or more consecutive terminal blocks, without reducing the wiring capacity of the blocks. Jumpers are available in two, three, four, and longer pole configurations. Jumpers are made of electrolytic copper with a corrosion-resistant nickel plating. Insulated double jumpers reduce the risk of accidental shock.



Terminal Marking tags

Provides circuit organization and identification of the terminals. Terminal marking tags are available either blank or preprinted, and fit onto the terminal blocks.



Wire Marking tags

Provides circuit organization and identification of the wires. Wire marking tags are available with blank tags and clear tag holders for wire sizes from 26AWG to 5AWG.



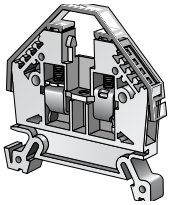
Angled support bracket

Raises and tilts the mounting rail above the panel for easier and faster wiring.



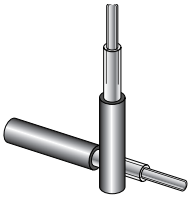
Top cover

Certain VDE regulations require the use of terminal block covers. The transparent polycarbonate covers are printed with a warning arrow and the international danger symbol, allowing the marking tag area and jumpers to remain visible after installation.



Test plugs

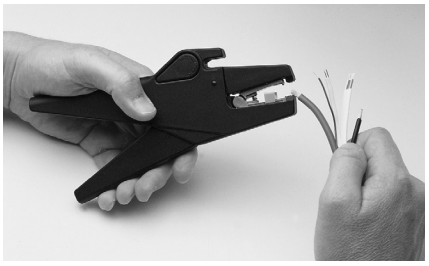
Used for hands-free circuit troubleshooting and testing, the test plugs are inserted into the jumper hole of the terminal block current bar. These plug-in style devices cannot be used when jumpers are installed. Plug diameter is 2.8 mm.



Wiring Accessories & Tools

We offer a wide selection of wire ferrules and crimp terminals, stripping and crimping tools, jumper cutters in the "Wiring Accessories" section of this chapter. An excellent variety Wera brand screwdrivers as well as RUKO cutting tools can be found in the tools chapter of our catalog.

Standards



DIN*nector* terminal blocks are tested to the following standards:

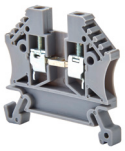
- EN/IEC 60947-1
- EN/IEC 60947-7-1
- IEC 60947-7-2
- IEC 60947-7-3
- UL 1059
- UL 486A–486B
- UL 486E

DINnectors® Single-Level Terminal Blocks

Feed-through terminal blocks provide the means to connect two wires together, and are available in sizes suitable for up to 8AWG wire.

- Screw connection terminal
- 35mm DIN rail mountable
- LVD 2006/95/EC

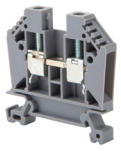
DN-T12-A
Series: EURO 2.5



DN-T10-A
Series: EURO 4

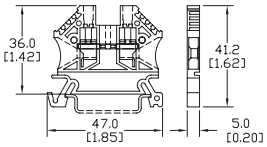


DN-T8
Series: EURO 6

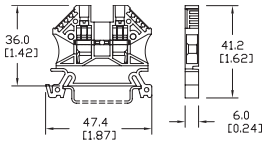


Dimensions
mm [inches]

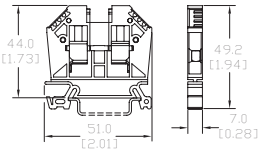
DN-T12-A



DN-T10-A



DN-T8



Ordering Information

Available Colors	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-T12-A	100	$70.00	DN-T10-A	100	$81.00	DN-T8	50	$66.00
Blue	DN-T12B-A	100	$78.00	DN-T10B-A	100	$89.00	DN-T8B	50	$70.00
Brown	DN-T12BR-A	100	$78.00	DN-T10BR-A	100	$89.00	–	–	–
Black	DN-T12BLK-A	100	$78.00	DN-T10BLK-A	100	$89.00	DN-T8BLK	50	$70.00
Green	DN-T12GRN-A	100	$78.00	DN-T10GRN-A	100	$89.00	DN-T8GRN	50	$70.00
Orange	DN-T12ORG-A	100	$78.00	DN-T10ORG-A	100	$89.00	DN-T8ORG	50	$70.00
Red	DN-T12RED-A	100	$78.00	DN-T10RED-A	100	$89.00	DN-T8RED	50	$70.00
Yellow	DN-T12YEL-A	100	$78.00	DN-T10YEL-A	100	$89.00	DN-T8YEL	50	$70.00
White	DN-T12W-A	100	$78.00	DN-T10W-A	100	$89.00	DN-T8W	50	$70.00

Technical Specifications

Stripping Length	10mm [0.39 in]			10mm [0.39 in]			12mm [0.47 in]		
Tightening Torque	0.5 N·m [4 lb·in]			0.8 N·m [7 lb·in]			1.2 N·m [10.6 lb·in]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]			142/m [43 pcs/ft]		
UL Approval*	600V	20A	24-12 AWG	600V	30A	24-10 AWG	600V	50A	22-8 AWG
VDE Approval	800V	24A	2.5 mm²	800V	32A	4mm²	800V	41A	6mm²
Operating Temperature	Ambient air temp: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]								
SCCR Rating	100kA								
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)								
Agency File #	UL E179129								

Accessories

End Covers		DN-EC1210	100	$47.50	DN-EC1210	100	$47.50	DN-EC86	100	$51.50
		DN-EC1210MN	25	$16.00	DN-EC1210MN	25	$16.00	DN-EC86MN	25	$16.00
Separators		DN-S1210	100	$56.00	DN-S1210	100	$56.00	DN-S86	100	$67.00
		DN-S1210MN	25	$17.50	DN-S1210MN	25	$17.50	DN-S86MN	25	$15.50
Jumpers	2-pole	DN-2J2Y	100	$47.50	DN-2J4Y	100	$50.50	–		
		DN-2J2YMN	25	$14.50	DN-2J4YMN	25	$16.00			
	3-pole	DN-3J2Y	100	$68.00	DN-3J4Y	100	$81.00			
		DN-3J2YMN	25	$20.00	DN-3J4YMN	25	$24.00			
	24-pole	DN-24J2Y	5	$31.00	DN-24J4Y	5	$32.50	DN-24J8	5	$45.00
Jumper Cutting Tool**		DN-J2CUT	1	$87.00	DN-J4CUT	1	$87.00	–		
Top Cover		DN-C12	100	$68.00	DN-C10	100	$68.00	DN-C86	100	$68.00
		DN-C12MN	25	$15.50	DN-C10MN	25	$15.50	DN-C86MN	25	$15.50
Test Plug/Red		DN-TPR	10	$46.00	DN-TPR	10	$46.00	–		
Test Plug/Black		DN-TPB	10	$46.00	DN-TPB	10	$46.00			
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-LA or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

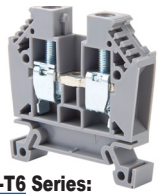
*Copper Wire Only
**Jumper Cutting Tools DN-JxCUT cut the applicable multi-pole jumpers and maintain the jumper insulation.
Note: For more information on accessories, see the DINnectors Accessories section of this chapter.

DINnectors®

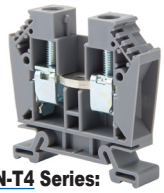
Single-Level Terminal Blocks

- Screw connection terminal
- 35mm DIN rail mountable
- LVD 2006/95/EC

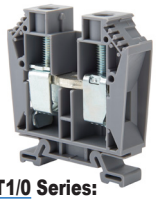




DN-T6 Series:
EURO 10/35



DN-T4 Series:
EURO 16-25/35



DN-T1/0 Series:
EURO 35-50/35



DN-T3/0 Series:
EURO 70/35

Ordering Information

Available Colors	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-T6	50	$86.00	DN-T4	25	$74.00	DN-T1/0	25	$103.00	DN-T3/0	10	$152.00
Blue	DN-T6B	50	$92.00	DN-T4B	25	$77.00	DN-T1/0B	25	$108.00	–	–	–

Technical Specifications

Stripping Length	12mm [0.47 in]			14mm [0.55 in]			17mm [0.67 in]			26mm [1.02 in]		
Tightening Torque	2.0 N·m [18.0 lb·in]			3.0 N·m [26.5 lb·in]			5.0 N·m [44 lb·in]			10 N·m [89 lb·in]		
Density	111/m [33 pcs/ft]			83/m [25 pcs/ft]			62/m [19 pcs/ft]			38/m [11 pcs/ft]		
UL Approval*	600V	65A	18-6 AWG	600V	85A	14-4 AWG	600V	130A	14-1/0 AWG	600V	185A	4-3/0 AWG
VDE Approval	750V	63A	10mm²	750V	110A	25mm²	800V	150A	50mm²	800V	192A	70mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]											
SCCR Rating	100kA											
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)											
Agency File #	UL E179129											

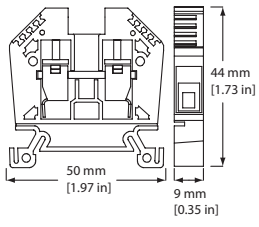
Accessories

End Covers	DN-EC86	100	$51.50	DN-EC4	50	$32.50	DN-EC1/0	50	$37.00	Included	–	–
	DN-EC86MN	25	$16.00	DN-EC4MN	10	$6.50	DN-EC1/0MN	10	$9.00			
Separators	DN-S86	100	$67.00	–			–			–		
	DN-S86MN	25	$15.50									
Jumpers 2-pole	DN-2J6	100	$84.00									
Jumpers 3-pole	DN-3J6	100	$145.00									
Jumpers 4-pole	DN-4J6	100	$186.00									
Multi-pole	DN-55J6	1	$29.00									
Top Cover	DN-C86	100	$68.00									
	DN-C86MN	25	$15.50									
35mm DIN Rail 7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
35mm DIN Rail 15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
	DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
Angled Support Bracket	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags	DN-L or DN-LT series	500/100	various	DN-L or DN-LT	500/100	various	DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

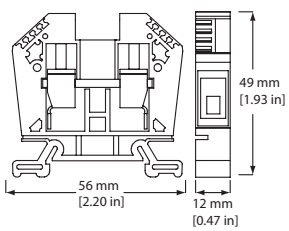
*Copper wire only

Dimensions

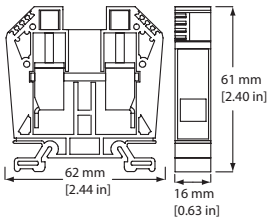
DN-T6



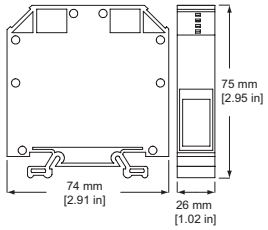
DN-T4



DN-T1/0



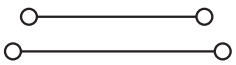
DN-T3/0

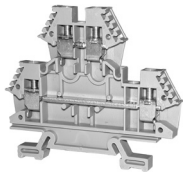


Note: Screw is a Hex Bolt, Size M8

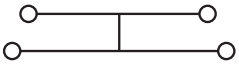
DINnectors® Double-Level Terminal Blocks

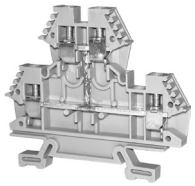
- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC
- DN-D10X-A is supplied with an internal jumper to common all four connection points





DN-D10-A
Series: EURO D 4-2/35





DN-D10X-A**
Series: EURO D 4-2/35

Double-level terminal blocks offer twice the wiring density of feed-through blocks. The DN-D10X-A version is supplied with an internal jumper to common all four of its connection points.

Ordering Information

Available Colors	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-D10-A	50	$145.00	DN-D10X-A	50	$219.00
Blue	DN-D10B-A	50	$151.00			
Black	DN-D10BLK-A	50	$151.00			
Green	DN-D10GRN-A	50	$151.00			
Orange	DN-D10ORG-A	50	$151.00			
Red	DN-D10RED-A	50	$151.00			
Yellow	DN-D10YEL-A	50	$151.00			

Technical Specifications

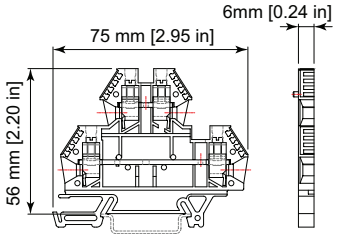
Stripping Length	10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.6 N·m [7 lb·in]			0.6 N·m [7 lb·in]		
Density	166/m [50 pcs/ft]			166/m [50 pcs/ft]		
UL Approval*	600V	30A	24-10 AWG	600V	30A	24-10 AWG
VDE Approval	800V	32A	4mm²	800V	32A	4mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	100kA					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

Accessories

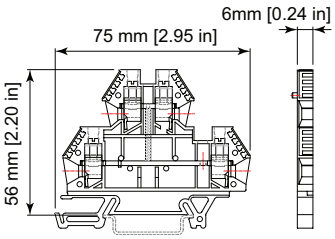
End Covers		DN-DEC10	50	$34.50	DN-DEC10	50	$34.50
		DN-DEC10MN	10	$6.50	DN-DEC10MN	10	$6.50
Jumpers**	2-pole	DN-2J4Y	100	$50.50	DN-2J4Y	100	$50.50
		DN-2J4YMN	25	$16.00	DN-2J4YMN	25	$16.00
	3-pole	DN-3J4Y	100	$81.00	DN-3J4Y	100	$81.00
		DN-3J4YMN	25	$24.00	DN-3J4YMN	25	$24.00
	24-pole	DN-24J4Y	5	$32.50	DN-24J4Y	5	$32.50
Jumper Cutting Tool***		DN-J4CUT	1	$87.00	DN-J4CUT	1	$87.00
Top Cover		DN-DC10	100	$66.00	DN-DC10	100	$66.00
		DN-DC10MN	25	$15.50	DN-DC10MN	25	$15.50
Test Plug/Red		DN-TPR	10	$46.00	DN-TPR	10	$46.00
Test Plug/Black		DN-TPB	10	$46.00	DN-TPB	10	$46.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

Dimensions

DN-D10-A



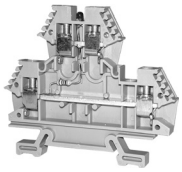
DN-D10X-A



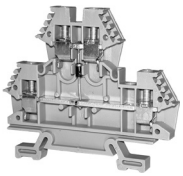
*Copper wire only
**Jumpering and testing should be done on bottom level only for the DN-D10X-A
***Jumper Cutting Tool DN-J4CUT cuts DN-xJ4Y Series multi-pole jumpers and maintains the jumper insulation.

DINnectors® Double-Level Terminal Blocks

- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC
- Jumpering and testing should be done on bottom level only



DN-D10LED1-A
Series: EURO D 4-2/35



DN-D10DR-A
Series: EURO D 4-2/35

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-D10LED1-A	10	$59.50	DN-D10DR-A	50	$222.00

Technical Specifications

Stripping Length	10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.6 N·m [7 lb·in]			0.6 N·m [7 lb·in]		
Density	166/m [50 pcs/ft]			166/m [50 pcs/ft]		
LED Voltage	12-24 V AC/DC 3.4 kΩ			–		
UL Approval*	600V	30A	24-10 AWG	600V	1A (Diode)	24-10 AWG
VDE Approval	800V	32A	4mm²	800V	1A (Diode)	4mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4F to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	100kA					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

Accessories

End Covers		DN-DEC10	50	$34.50	DN-DEC10	50	$34.50
		DN-DEC10MN	10	$6.50	DN-DEC10MN	10	$6.50
Jumpers**	2-pole	DN-2J4Y	100	$50.50	DN-2J4Y	100	$50.50
		DN-2J4YMN	25	$16.00	DN-2J4YMN	25	$16.00
	3-pole	DN-3J4Y	100	$81.00	DN-3J4Y	100	$81.00
		DN-3J4YMN	25	$24.00	DN-3J4YMN	25	$24.00
	24-pole	DN-24J4Y	5	$32.50	DN-24J4Y	5	$32.50
Jumper Cutting Tool***		DN-J4CUT	1	$87.00	DN-J4CUT	1	$87.00
Top Cover		DN-DC10	100	$66.00	DN-DC10	100	$66.00
		DN-DC10MN	25	$15.50	DN-DC10MN	25	$15.50
Test Plug/Red		DN-TPR	10	$46.00	DN-TPR	10	$46.00
Test Plug/Black		DN-TPB	10	$46.00	DN-TPB	10	$46.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

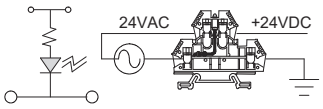
***Copper wire only**
****Jumpering and testing should be done on bottom level only.**
*****Jumper Cutting Tool DN-J4CUT cuts DN-xJ4Y Series multi-pole jumpers and maintains the jumper insulation.**
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

LED terminal blocks

These terminal blocks have built-in LED indicators. The LED illuminates when voltage is present. The LED1 version is for 24V AC/DC circuits,and includes current-limiting elements.

Note: Wire only one supply.

DN-D10LED1-A

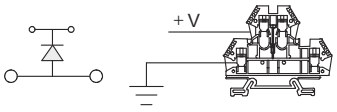


Diode terminal blocks

Typically, an inductive load produces a spike (neg.-going) when it is turned off. These terminal blocks with built-in diodes help protect your PLC's output circuits. The circuit below shows the normal voltages to the load (during ON state).

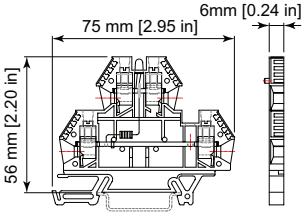
(Please see application note AN-MISC-032 at http://support.automationdirect.com/docs/an-misc-032.pdf)

DN-D10DR-A

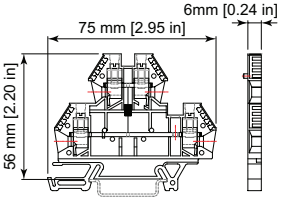


1N4007 Reverse bias diode
(See Diode information located on page tTBL-60)

DN-D10LED1-A



DN-D10DR-A



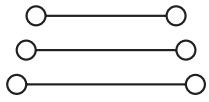
DINnectors® Triple-level and Sensor Terminal Blocks

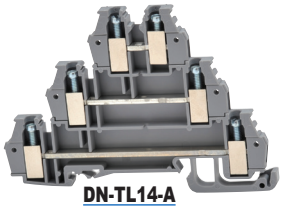
Triple-level terminal blocks enable high-density wiring or simplified, low-cost sensor wiring.

When wiring space is at a premium, use the DN-TL14-A to connect three separate circuits in only 5mm of linear DIN-rail space. The rest of our family of triple-level blocks will allow you to wire one terminal block per sensor, vs. the traditional method, which requires three different single-level blocks per sensor.

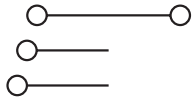
The DN-TL14S-A is the standard sensor terminal block, and the DN-TL14SLP-A and DN-TL14SLN-A provide LED indication at the terminal block when voltage is present.

- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC





DN-TL14-A
Series: EURO W 2.5/35





DN-TL14S-A
Series: EURO Z 2.5/35

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-TL14-A	25	$76.00	DN-TL14S-A	25	$67.00

Technical Specifications

Stripping Length	10 mm [0.39 in]			10 mm [0.39 in]		
Tightening Torque	0.5 N·m [4.5 lb·in]			0.5 N·m [4.5 lb·in]		
Density	200/m [57 pcs/ft]			200/m [57 pcs/ft]		
UL Approval*	300V	10A	26-14 AWG	300V	10A	26-14 AWG
VDE Approval	300V	10A	2.5 mm²	300V	10A	2.5 mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

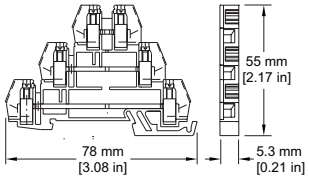
Accessories

End Covers		DN-EC14	25	$20.00	DN-EC14S	25	$16.50
Jumpers	2-pole Blue	DN-2JL14B-A	100	$74.00	DN-2JL14B-A	100	$74.00
		DN-2JL14B-AMN	25	$16.50	DN-2JL14B-AMN	25	$16.50
	3-pole Blue	DN-3JL14B-A	100	$109.00	DN-3JL14B-A	100	$109.00
		DN-3JL14B-AMN	25	$25.50	DN-3JL14B-AMN	25	$25.50
	12-pole Blue	DN-12JL14B-A	10	$29.00	DN-12JL14B-A	10	$29.00
	2-pole Red	DN-2JL14-A	100	$74.00	DN-2JL14-A	100	$74.00
		DN-2JL14-AMN	25	$16.50	DN-2JL14-AMN	25	$16.50
	3-pole Red	DN-3JL14-A	100	$109.00	DN-3JL14-A	100	$109.00
		DN-3JL14-AMN	25	$25.50	DN-3JL14-AMN	25	$25.50
	12-pole Red	DN-12JL14-A	10	$29.00	DN-12JL14-A	10	$29.00
Jumper Cutting Tool		DN-JL14CUT	1	$123.00	DN-JL14CUT	1	$123.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-LAT-A series	500	various	DN-LAT-A series	500	various

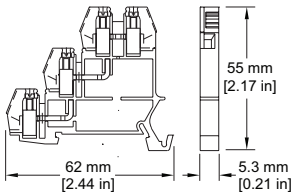
***Copper wire only**
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Dimensions

DN-TL14-A



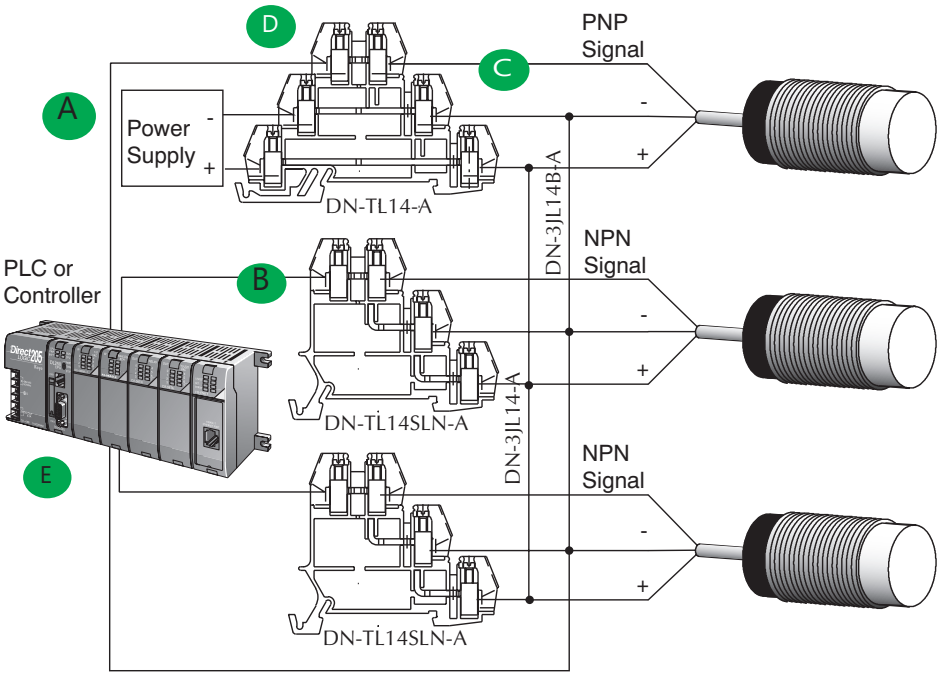
DN-TL14S-A



DINnectors® Triple-level and Sensor Terminal Blocks

Sensor wiring has never been this simple.

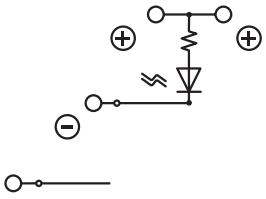
- **A** Wire the bottom two levels of one DN-TL14-A to connect your power supply to what will become a sensor +V and -V power bus.
- **B** Mount the triple-level sensor blocks next to the DN-TL14-A. The DN-TL14S-A is our standard sensor terminal block.
  The DN-TL14SLP-A gives you LED indication for PNP sensors, and the DN-TL14SLN-A gives you LED indication for NPN sensors.
- **C** Use the top level to connect the first sensor signal line to the PLC.
- **D** Connect the power supply terminals of the DN-TL14-A to the LED sensor terminal blocks by installing jumpers. This will create a +V and -V power bus on the two bottom levels of the terminals. Use an external wire to connect a group of 12 DN-TL14-As to another group.
- **E** Wire the sensor signal lines through the top levels of the blocks to your PLC or controller. Remember to use the appropriate end covers to cover any exposed metal parts for safety purposes.

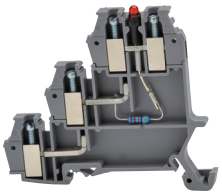


Note: Wiring schematic is for reference only. See individual I/O modules for correct wiring connections.

DINnectors® Triple-level and Sensor Terminal Blocks with LED

- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC

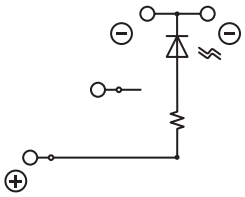




DN-TL14SLP-A
Series: EURO Z 2.5 LP/35



DN-TL14SLN-A
Series: EURO Z 2.5 LN/35



Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-TL14SLP-A	25	$132.00	DN-TL14SLN-A	25	$132.00

Technical Specifications

Stripping Length	10 mm [0.39 in]			10 mm [0.39 in]		
Tightening Torque	0.5 N·m [4.5 lb·in]			0.5 N·m [4.5 lb·in]		
Density	200/m [57 pcs/ft]			200/m [57 pcs/ft]		
Leakage Current	25mA@5V			25mA@5V		
LED Voltage/Resistance	12 – 24V AC/DC. 3.4 kΩ			12 – 24V AC/DC. 3.4 kΩ		
UL Approval*	300V	10A	26-14 AWG	300V	10A	26-14 AWG
VDE Approval	300V	10A	2.5 mm²	300V	10A	2.5 mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

Accessories

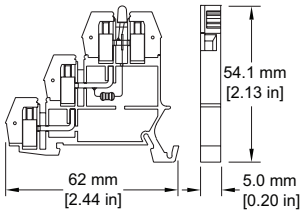
End Cover		DN-EC14S	25	$16.50	DN-EC14S	25	$16.50
Jumpers	2-pole Blue	DN-2JL14B-A	100	$74.00	DN-2JL14B-A	100	$74.00
		DN-2JL14B-AMN	25	$16.50	DN-2JL14B-AMN	25	$16.50
	3-pole Blue	DN-3JL14B-A	100	$109.00	DN-3JL14B-A	100	$109.00
		DN-3JL14B-AMN	25	$25.50	DN-3JL14B-AMN	25	$25.50
	12-pole Blue	DN-12JL14B-A	10	$29.00	DN-12JL14B-A	10	$29.00
	2-pole Red	DN-2JL14-A	100	$74.00	DN-2JL14-A	100	$74.00
		DN-2JL14-AMN	25	$16.50	DN-2JL14-AMN	25	$16.50
	3-pole Red	DN-3JL14-A	100	$109.00	DN-3JL14-A	100	$109.00
		DN-3JL14-AMN	25	$25.50	DN-3JL14-AMN	25	$25.50
	12-pole Red	DN-12JL14-A	10	$29.00	DN-12JL14-A	10	$29.00
Jumper Cutting Tool		DN-JL14CUT	1	$123.00	DN-JL14CUT	1	$123.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-LAT-A series	500	various	DN-LAT-A series	500	various

*Copper wire only

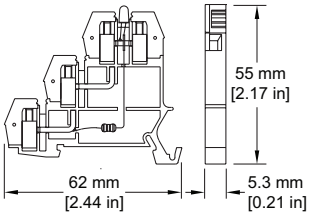
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Dimensions

DN-TL14SLP-A

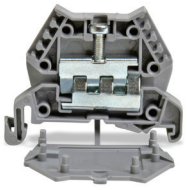


DN-TL14SLN-A

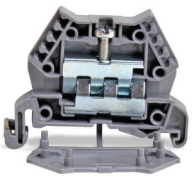


DINnectors® Thermocouple Terminal Blocks

- 35mm DIN-rail mountable
- UL E179129
- CE (EN 60947-1/ EN 60947-7-1)



DN-THERM1 (open) – Series: EURO TC - 50 Volt



DN-THERM2 (open) Series: EURO TC - 300 Volt



DN-THERMx (shown closed)

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-THERM1	50	$224.00	DN-THERM2	50	$224.00
	DN-THERM1MN	10	$54.00	DN-THERM2MN	10	$50.00

Technical Specifications

Stripping Length	20mm [0.79 in]			20mm [0.79 in]			
Tightening Torque	0.099 N·m [0.875 lb·in]			0.099 N·m [0.875 lb·in]			
UL Approval*	50V AC/DC	–	30-20 AWG	300V	10A	20-16 AWG	
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]						
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components						
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)						
Agency File #	UL E179129						

Accessories

End Cover		Included					
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

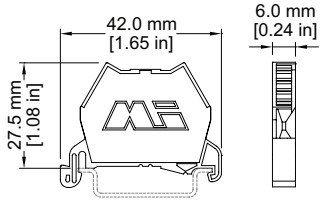
*Copper wire only

DN-THERM1 has no assigned amp rating; intended for use with thermocouple wires only.

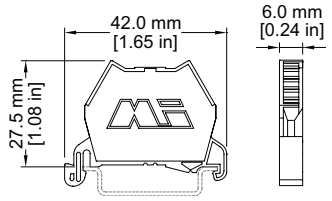
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Thermocouple terminal blocks are designed with only one screw clamp to provide suitable connections to thermocouple sensors. The DN-THERM1 and DN-THERM2 clamping yoke terminal blocks have been designed to accept any type of thermocouple lead connection within their rated wire size ranges. The thermocouple leads are simply stripped of their insulation to 20mm (0.79"), and then inserted into the terminal block where the two wires overlap. The leads are clamped together on both sides of the terminal block, resulting in an excellent electrical connection to the thermocouple without the need for any other compensation metals/ contacts.

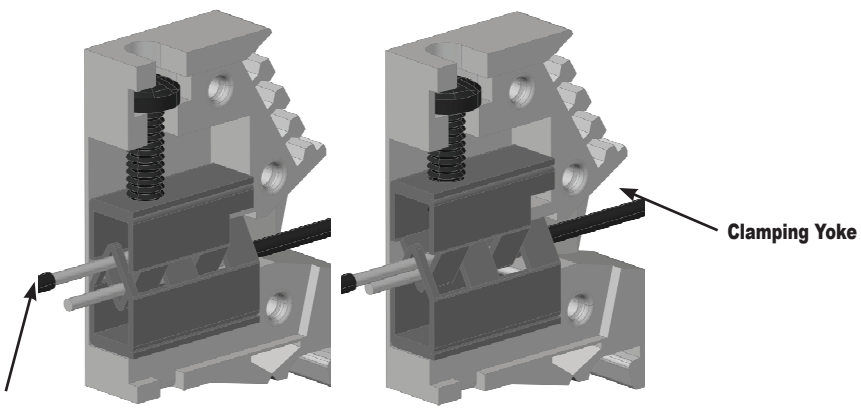
DN-THERM1 / DN-THERM1MN



DN-THERM2 / DN-THERM2MN



DN-THERMx operation

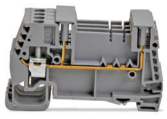


Overlap of thermocouple wires allows for universal connections.

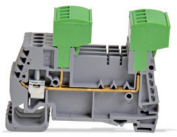
DINnectors® Plug-In Terminal Blocks

Single and double level DN-EMXxx plug-in terminal blocks with screw terminals accept all DN-xxPLUG(MN) Euro plugs and are 35mm DIN rail mountable.





(4) DN-EMXM1
Series: EURO XM1/2V 2.5/35



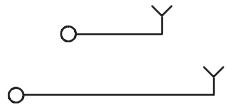
(4) DN-EMXM1 with
(2) DN-4PLUG

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-EMXM1	32	$58.50	DN-EMXDV	32	$86.00

Technical Specifications

Stripping Length	8mm [0.31 in]			8mm [0.31 in]		
Tightening Torque	0.45 N·m [4 lb·in]			0.45 N·m [4 lb·in]		
UL Approval*	300V	12A	24-12 AWG	300V	12A	24-12 AWG
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					





(4) DN-EMXDV
Series: EURO XDV 2.5/35

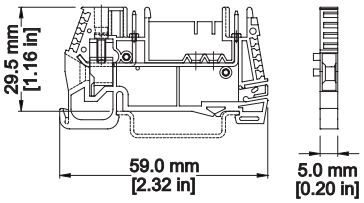


(4) DN-EMXDV with
(2) DN-4PLUG

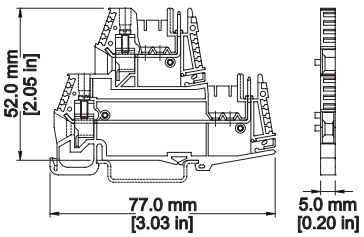
Accessories

End Cover	left (open) side	DN-EMXM1EC1	25	$16.50	DN-EMXDVEC1	25	$16.50
	right (closed) side	DN-EMXM1EC2	25	$16.50	DN-EMXDVEC2	25	$16.50
Spacer	Either side	DN-EMXM1SPA1	25	$14.50	DN-EMXDVSPA1	25	$16.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
Jumpers**	2-pole	DN-2J2Y	100	$47.50	DN-2J2Y	100	$47.50
		DN-2J2YMN	25	$14.50	DN-2J2YMN	25	$14.50
	3-pole	DN-3J2Y	100	$68.00	DN-3J2Y	100	$68.00
		DN-3J2YMN	25	$20.00	DN-3J2YMN	25	$20.00
	24-pole	DN-24J2Y	1	$31.00	DN-24J2Y	1	$31.00
Jumper Cutting Tool**		DN-J2CUT	1	$87.00	DN-J2CUT	1	$87.00
Pin Protector – 4-pole		DN-EMPEG1	Each piece covers and protects up to 4 unused pins				$4.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Marking Tags		DN-LA, DN-LT, or DN-EMLBL	500/100	various	DN-LA, DN-LT, or DN-EMLBL	500/100	various

DN-EMXM1



DN-EMXDV



* For copper wire only
** Jumper Cutting Tool DN-J2CUT cuts DN-xJ2Y Series multi-pole jumpers and MAINTAINS THE INSULATION
For more information on accessories, see the DINnectors Accessories section of this chapter.

Accessories – Terminal Plugs

*Part Number	Number of Poles	Length in [mm]	Qty	Price	*Part Number	Number of Poles	Length in [mm]	Qty	Price
DN-2PLUG	2	0.40 [10.2]	200	$127.00	DN-8PLUG	8	1.60 [40.6]	50	$129.00
DN-2PLUGMN			10	$8.00	DN-8PLUGMN			5	$16.00
DN-3PLUG	3	0.60 [15.2]	200	$195.00	DN-9PLUG	9	1.80 [45.7]	50	$141.00
DN-3PLUGMN			10	$12.50	DN-9PLUGMN			5	$16.50
DN-4PLUG	4	0.80 [20.3]	100	$130.00	DN-10PLUG	10	2.00 [50.8]	50	$150.00
DN-4PLUGMN			10	$16.00	DN-10PLUGMN			5	$18.50
DN-5PLUG	5	1.00 [25.4]	100	$150.00	DN-11PLUG	11	2.20 [55.9]	50	$177.00
DN-5PLUGMN			10	$20.00	DN-11PLUGMN			5	$21.50
DN-6PLUG	6	1.20 [30.5]	100	$194.00	DN-12PLUG	12	2.40 [61.0]	50	$194.00
DN-6PLUGMN			10	$20.00	DN-12PLUGMN			5	$22.00
DN-7PLUG	7	1.40 [35.6]	50	$101.00					
DN-7PLUGMN			5	$16.00					

* DN-xxPLUGs fit all DN-EMXxx & DN-QEMXxx plug-in terminal blocks.

Terminal Plugs Ratings

Voltage/ Current	300V, 12A
Wire Gauge	14–22 AWG, CU only
Torque	Tightening Torque: 0.51 N·m [4.5 lb-in]
Operating Temperature	Ambient air temp: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]
Agency Approvals	UL file #: E179129

DINnectors®

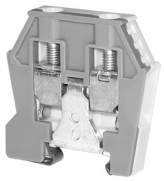
Mini Terminal Blocks

Mini terminal blocks are used in areas with extremely limited space requirements, and mount on the smaller DIN rail type DN-R15S1.



DN-M10-A
Series: EURO 4/15





DN-MG10
Series: EURO E4/15



Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-M10-A	100	$108.00	–	–	–
Blue	DN-M10B-A	100	$145.00	–	–	–
Green/Yellow	–	–	–	DN-MG10	20	$89.00

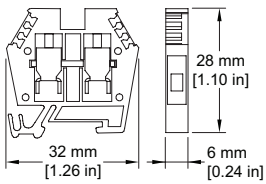
Technical Specifications

Stripping Length	10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.6 N·m [5.3 lb·in]			0.6 N·m [5.3 lb·in]		
Density	142/m [43 pcs/ft]			166/m [50 pcs/ft]		
CE Conformity	LVD 2006/95/EC			LVD 2006/95/EC		
UL Approval*	300V	30A	24-10 AWG	–	–	18-10 AWG
VDE Approval	400V	32A	4mm²	–	–	4mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

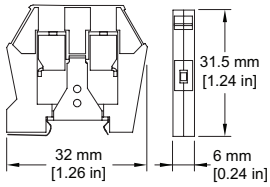
Accessories

End Covers		DN-ECM10	100	$47.50	–		
		DN-ECM10MN	25	$16.00			
Jumpers	2-pole	DN-2J4Y	100	$50.50			
		DN-2J4YMN	25	$16.00			
	3-pole	DN-3J4Y	100	$81.00			
		DN-3J4YMN	25	$24.00			
	24-pole	DN-24J4Y	5	$32.50			
Jumper Cutting Tool**		DN-J4CUT	1	$87.00			
Top Cover		DN-MC10	100	$70.00			
		DN-MC10MN	25	$15.50			
Test Plug/Red		DN-TPR	10	$46.00			
Test Plug/Black		DN-TPB	10	$46.00			
15mm DIN Rail	5.5 mm high	DN-R15S1	10	$36.00	DN-R15S1	10	$36.00
		DN-R15S1-2	2	$10.00	DN-R15S1-2	2	$10.00
End Brackets		DN-EB15	100	$119.00	–		
		DN-EB15MN	20	$28.00			
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-LT series	100	various	DN-LT series	100	various

DN-M10-A



DN-MG10



* For copper wire only
** Jumper cutting tool DN-J4CUT cuts DN-xJ4Y Series multi-pole jumpers and maintains the jumper insulations.
For more information on accessories, see the DINnectors Accessories section of this chapter.

DINnectors®

Ground Terminal Blocks

Ground terminal blocks are used to mechanically and electrically connect wires to the DIN rail by means of a conducting clamping foot. In this way, the DIN rail can function as a ground bus bar.

Note: The use of an end bracket is not required when a ground block is positioned at the end of a terminal block assembly.

Ground blocks are molded in green and yellow per international standards and are 35mm DIN rail mountable.



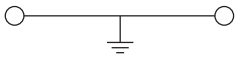
DN-G10
Series: EURO E4/35



DN-G8
Series: EURO E6/35



DN-G6
Series: EURO E10/35



Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Green/Yellow Terminal Block	***DN-G10***	50	$217.00	***DN-G8***	50	$256.00	***DN-G6***	50	$351.00
	DN-G10-10	10	$43.00	***DN-G8-10***	10	$84.00	***DN-G6-10***	10	$72.00

Technical Specifications

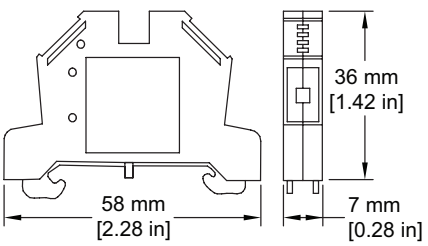
Stripping Length	10mm [0.39 in]			12mm [0.47 in]			13mm [0.51]		
Tightening Torque	0.8 N·m [7 lb·in]			1.1 N·m [10 lb·in]			2.3 N·m [20 lb·in]		
Ground Screw Torque	–			0.8 N·m [7 lb·in]			–		
Density	142/m [43 pcs/ft]			125/m [38 pcs/ft]			100/m [30 pcs/ft]		
UL Approval*	–	–	24-10 AWG	–	–	22-8 AWG	–	–	20-6 AWG
VDE Approval	–	–	4mm²	–	–	6mm²	–	–	10mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4w to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]								
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components								
CE Conformity	CE (EN 60947-1 / EN 60947-7-2)								
Agency File #	UL E179129 / LR84816								

Accessories

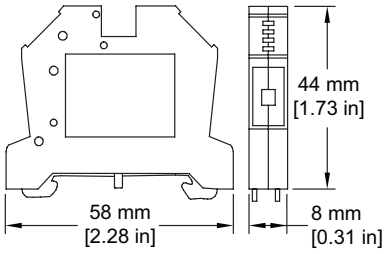
35mm DIN Rail	***7.5 mm high***	***DN-R35S1***	10	$39.00	***DN-R35S1***	10	$39.00	***DN-R35S1***	10	$39.00
		DN-R35S1-2	2	$11.00	***DN-R35S1-2***	2	$11.00	***DN-R35S1-2***	2	$11.00
	15mm high	***DN-R35HS1***	10	$68.00	***DN-R35HS1***	10	$68.00	***DN-R35HS1***	10	$68.00
		DN-R35HS1-2	2	$16.50	***DN-R35HS1-2***	2	$16.50	***DN-R35HS1-2***	2	$16.50
Angled Support Bracket		***DN-ASB1***	50	$107.00	***DN-ASB1***	50	$107.00	***DN-ASB1***	50	$107.00
Marking Tags		DN-L** or DN-LT***	500/100	various	DN-L** or DN-LT***	500/100	various	DN-L** or DN-LT***	500/100	various

***For copper wire only**
****On lever arm**
*****On terminal body**
Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

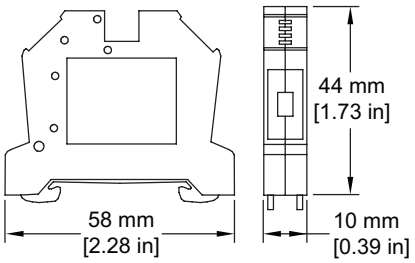
DN-G10



DN-G8



DN-G6

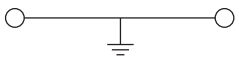


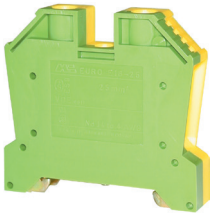
DINnectors® Ground Terminal Blocks

Ground terminal blocks are used to mechanically and electrically connect wires to the DIN rail by means of a conducting clamping foot. In this way, the DIN rail can function as a ground bus bar.

Note: The use of an end bracket is not required when a ground block is positioned at the end of a terminal block assembly.

Ground blocks are molded in green and yellow per international standards and are 35mm DIN-rail mountable.





DN-G4
Series: EURO E 16-25/35



DN-G1/0
Series: EURO E 35-50/35

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price
Green/Yellow Block	DN-G4	25	$217.00	DN-G1/0	25	$273.00
	DN-G4MN	8	$50.00	DN-G1/0MN	5	$45.00

Technical Specifications

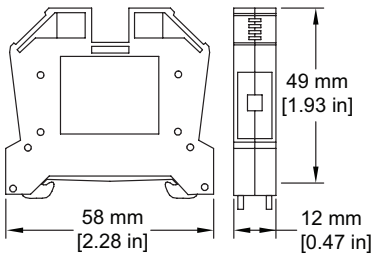
Stripping Length	14mm [0.55 in]			18mm [0.71]		
Tightening Torque	3.4 N·m [30 lb·in]			5.1 N·m [45 lb·in]		
Ground Screw Torque	1.1 N·m [10 lb·in]			1.1 N·m [10 lb·in]		
Density	83/m [25 pcs/ft]			62/m [19 pcs/ft]		
UL Approval*	–		14-4 AWG	–	–	14-1/0 AWG
VDE Approval	–	–	25mm²	–	–	35mm²
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / 60947-7-2)					
Agency File #	UL E179129 / LR84816					

Accessories

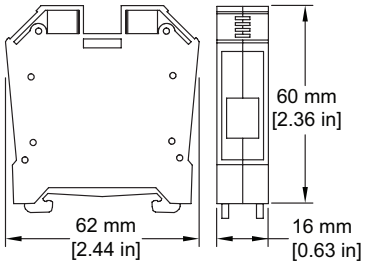
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-L** or DN-LT***	500/100	various	DN-L** or DN-LT***	500/100	various

***For copper wire only**
****On lever arm**
*****On terminal body**
Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

DN-G4 / DN-G4MN



DN-G1/0 / DN-G1/0MN



DINnectors®

Fuse Terminal Blocks

Fuse terminal blocks are available for 1 1/4" x 1/4" and 5x20mm-5x25mm fuses and they are 35mm DIN rail mountable. These blocks are available with or without a blown fuse LED. Fuse terminal blocks with blown fuse LED are polarity sensitive. The hinge side is positive.





DN-F6 Series: EURO S 10H/35



DN-F6L Series: EURO S 10H/35



DN-F10 Series: EURO S 4LH/35



DN-F10L Series: EURO S 4LH/35

Ordering Information

	DN-F6 Part Number	Qty	Price	DN-F6L Part Number	Qty	Price	DN-F10 Part Number	Qty	Price	DN-F10L Part Number	Qty	Price
Gray Terminal Block	DN-F6	25	$172.00	–			DN-F10	50	$276.00	–		
	DN-F6MN	7	$37.50				DN-F10MN	10	$43.50			
12-24 VAC/DC*	–			DN-F6L24	10	$98.00	–			DN-F10L24	10	$96.00
110 VAC/DC*				DN-F6L110	10	$98.00				DN-F10L110	10	$96.00
220 VAC/DC*				DN-F6L220	10	$98.00				DN-F10L220	10	$96.00

Technical Specifications

	DN-F6			DN-F6L		DN-F10			DN-F10L		
Stripping Length	12mm [0.47 in]					10mm [0.39 in]					
Tightening Torque	0.8 N·m [10 lb·in]					0.6 N·m [5.3 lb·in]					
Density	100/m [30 pcs/ft]					100/m [30 pcs/ft]					
UL Approval**	600V	30A	20-6 AWG			250V per EN60947-7-3	6.3A per EN60947-7-3	24-10 AWG			
VDE Approval	750V	8A	–			250V per EN60947-7-3	6.3A per EN60947-7-3	4mm²			
Fuse Size (not supplied)	1 1/4" x 1/4"					5x20mm-5x25mm					
Indicator Type	Non-indicating		LED blown fuse indicator			Non-indicating			LED blown fuse indicator		
Operating Temperature	Ambient air temperature: -20 to 85°C [-4 to 185°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]										
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components										
CE Conformity	CE (EN 60947-1 / 60947-7-3)										
Agency File #	UL E179129 / LR84816										

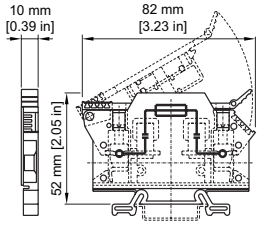
Accessories

		DN-F6			DN-F6L			DN-F10			DN-F10L		
End Covers		Included			Included			Included			Included		
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-L*** or DN-LT****	500/100	various	DN-L*** or DN-LT****	500/100	various	DN-L*** or DN-LT****	500/100	various	DN-L*** or DN-LT****	500/100	various

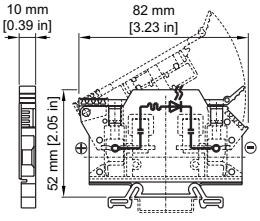
*Working voltage **For copper wire only ***On lever arm ****On terminal body

Note: DN-F6 series fuse holders will accommodate the following AutomationDirect fuses: ABC, AGC, MDA and MDL Series.
DN-F10 series fuse holders will accommodate the following AutomationDirect fuses: GMA, GMC, S500, and S506 Series.
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

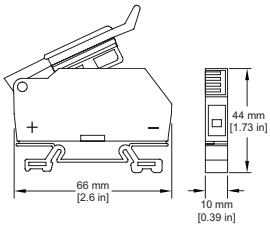
DN-F6 / DN-F6MN



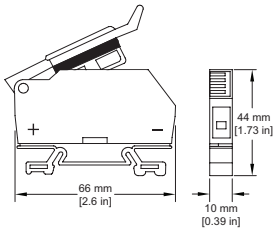
DN-F6L



DN-F10 / DN-F10MN



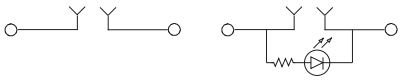
DN-F10L



DINnectors®

Supplementary Protector / Disconnect Terminal Block Sockets

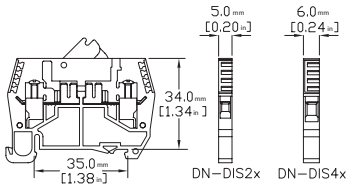
DN-DIS series Disconnect Terminal Blocks offer the flexibility of opening a circuit without removing any wiring. Available with or without LED indication in 12VDC and 24VDC, they can also be used as a socket for the DN-SUPP series Supplementary Protectors by simply removing the Disconnect Blade.

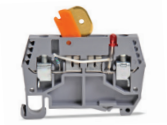


WARNING: DO NOT DISCONNECT UNDER LOAD

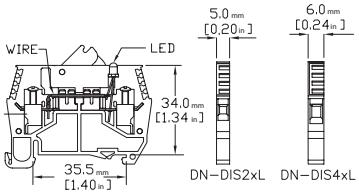


DN-DISx Series: EURO F2.5 / EURO F4





DN-DISxL Series: EURO F2 with LED / EURO F4 with LED



Ordering Information

	Part Number	Trip Indicator	Qty	Price	Part Number	Trip Indicator	Qty	Price
Gray Socket with Disconnect	DN-DIS2	–	50	$141.00	DN-DIS4	–	50	$141.00
	DN-DIS2MN	–	10	$34.50	DN-DIS4MN	–	10	$34.50
	DN-DIS2L12	12 VAC/DC LED	50	$179.00	DN-DIS4L12	12 VAC/DC LED	50	$179.00
	DN-DIS2L12MN	12 VAC/DC LED	10	$40.50	DN-DIS4L12MN	12 VAC/DC LED	10	$40.50
	DN-DIS2L24	24 VAC/DC LED	50	$179.00	DN-DIS4L24	24 VAC/DC LED	50	$179.00
	DN-DIS2L24MN	24 VAC/DC LED	10	$40.50	DN-DIS4L24MN	24 VAC/DC LED	10	$40.50

Technical Specifications

Stripping Length	5mm [0.20 in]			6mm [0.24 in]			
Tightening Torque	0.5 N·m [4.4 lb·in]			0.8 N·m [7 lb·in]			
UL Approval*	300V	10A with SUPP 20A with disconnect	24-12 AWG*	300V	10A with SUPP 25A with disconnect		24-10 AWG*
Operating Temperature	Ambient air temperature: -20 to 85°C [-4 to 185°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]						
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components						
CE Conformity	CE (EN 60947-1 / 60947-7-3)						
Agency File #	UL E179129						

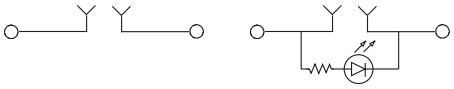
Accessories

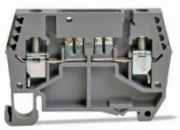
End Cover/Spacer**		DN-FESPA		50	$29.00	DN-FESPA	50	$29.00
		DN-FESPA-10		10	$6.00	DN-FESPA-10	10	$6.00
Separator		DN-FESEP		50	$29.00	DN-FESEP	50	$29.00
		DN-FESEP-10		10	$6.00	DN-FESEP-10	10	$6.00
35mm DIN Rail	7.5 mm high	DN-R35S1		10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2		2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1		10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2		2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35		50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN		20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A		50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10		10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35		50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10		10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1		50	$107.00	DN-ASB1	50	$107.00
Disconnect Blade		DN-DIS-BLADE		50	$39.50	DN-DIS-BLADE	50	$39.50
		DN-DIS-BMN		10	$10.50	DN-DIS-BMN	10	$10.50
Marking Tags		DN-LA or DN-LT series		500/100	various	DN-L or DN-LT series	500/100	various

***For copper wire only**
****Use one End Cover / Spacer per DN-FEx Terminal Block Socket when using DN-SUPP-x supplementary protector**
Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

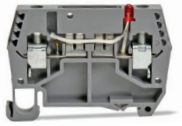
DINnectors® Terminal Block Sockets

DN-FE series terminal block sockets accept separately available circuit disconnects or supplementary protectors. The DN-FE blocks are available either with or without a trip-indicating LED and they are 35mm DIN rail mountable. The LED blocks are polarity-sensitive, with the LED side negative.





DN-FEx Series: EURO F2.5 / EURO F4



DN-FExL Series: EURO F2 with LED / EURO F4 with LED

Ordering Information

	Part Number	Trip Indicator	Qty	Price	Part Number	Trip Indicator	Qty	Price
Socket Only	DN-FE2	–	50	$123.00	DN-FE4	–	50	$123.00
	DN-FE2-5	–	5	$14.00	DN-FE4-5	–	5	$14.00
	DN-FE2L12	12 VAC/DC LED	50	$165.00	DN-FE4L12	12 VAC/DC LED	50	$165.00
	DN-FE2L12-5	12 VAC/DC LED	5	$16.50	DN-FE4L12-5	12 VAC/DC LED	5	$16.50
	DN-FE2L24	24 VAC/DC LED	50	$165.00	DN-FE4L24	24 VAC/DC LED	50	$165.00
	DN-FE2L24-5	24 VAC/DC LED	5	$16.50	DN-FE4L24-5	24 VAC/DC LED	5	$16.50

Technical Specifications

Stripping Length	5mm [0.20 in]			6mm [0.24 in]		
Tightening Torque	0.5 N·m [4.4 lb·in]			0.8 N·m [7 lb·in]		
UL Approval*	300V	10A with SUPP/20A with disconnect	24-12 AWG*	300V	10A with SUPP/25A with disconnect	24-10 AWG*
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	100kA					
CE Conformity	CE (EN 60947-1 / EN 60947-7-3)					
Agency File #	UL E179129					

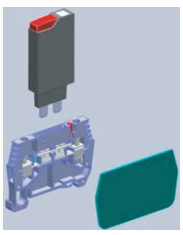
Accessories

End Cover/ Spacer**		DN-FESPA	50	$29.00	DN-FESPA	50	$29.00
		DN-FESPA-10	10	$6.00	DN-FESPA-10	10	$6.00
Separator		DN-FESEP	50	$29.00	DN-FESEP	50	$29.00
		DN-FESEP-10	10	$6.00	DN-FESEP-10	10	$6.00
Jumper****	12-pole	DN-12JFE	10	$66.00	DN-12JFE	10	$66.00
Jumper Cutting Tool		DN-JFECUT	1	$101.00	DN-JFECUT	1	$101.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Disconnect Blade		DN-DIS-BLADE	50	$39.50	DN-DIS-BLADE	50	$39.50
		DN-DIS-BMN	10	$10.50	DN-DIS-BMN	10	$10.50
Supplementary Protector		DN-SUPP-x***	see next page		DN-SUPP-x***	see next page	
Marking Tags		DN-LA or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

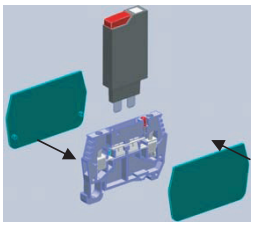
*For copper wire only
**When aligned along, use one End Covers/Spacers per DN-FEx. When aligned in a row, use two End Covers/Spacers per DN-FEx
***Trip ratings available from 0.25 A to 10A
****For jumper installation, use two End Covers/Spacers per DN-FEx
Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

DN-FEx with DN-SUPP-x Supplementary Protector

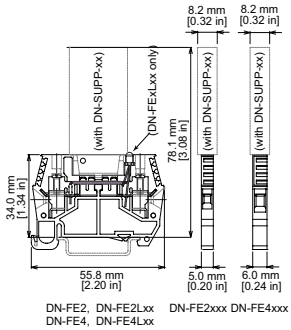




When aligned alone, use **DN-FESEP**



When aligned in a row, use
2pcs **DN-FESPA** for **DN-FE2**
2pcs **DN-FESEP** for **DN-FE4**



DN-DIS-xxx dimensions are the same as DN-FExxx dimensions.

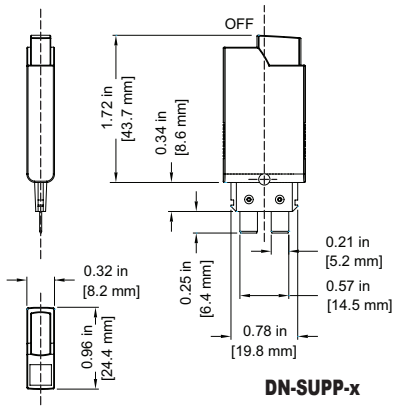
DINnectors® Supplementary Protectors for Terminal Block Sockets

Supplementary Protectors

Part Number	Reference	Rated Current	Internal Resistance	Type	Fits Socket	Qty	Price
DN-SUPP-P25	435T0025	0.25 A	14Ω	UL1077 Single Pole Push On Push Off Push to Reset	Terminal Block Socket Types: DN-FEx or DN-DISx if disconnect blade is removed	20	$365.00
DN-SUPP-P25-1						1	$19.50
DN-SUPP-P5	435T0050	0.5 A	3.4 Ω			20	$365.00
DN-SUPP-P5-1						1	$19.50
DN-SUPP-1	435T0100	1A	0.9 Ω			20	$365.00
DN-SUPP-1-1						1	$19.50
DN-SUPP-2	435T0200	2A	0.25 Ω			20	$365.00
DN-SUPP-2-1						1	$19.50
DN-SUPP-3	435T0300	3A	0.11 Ω			20	$365.00
DN-SUPP-3-1						1	$19.50
DN-SUPP-4	435T0400	4A	0.07 Ω			20	$365.00
DN-SUPP-4-1						1	$19.50
DN-SUPP-6	435T0600	6A	≤0.05 Ω			20	$365.00
DN-SUPP-6-1						1	$19.50
DN-SUPP-8	435T0800	8A				20	$365.00
DN-SUPP-8-1						1	$19.50
DN-SUPP-10	435T1000	10A				20	$365.00
DN-SUPP-10-1						1	$19.50



DN-SUPP-x
Supplementary Protector
(plugs into DN-FE EURO F series socket)

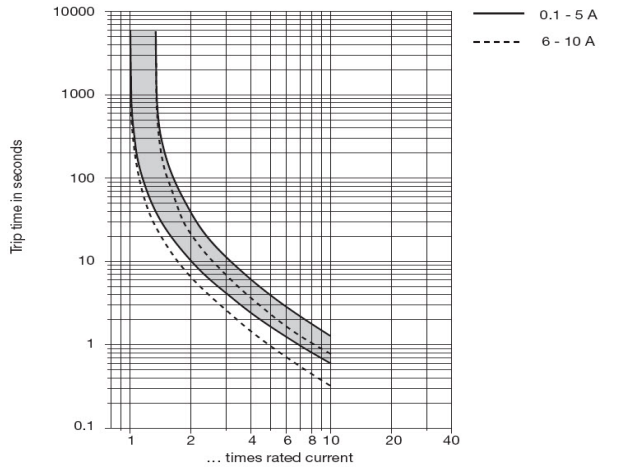


DN-SUPP-x

Supplementary Protector Specifications DN-SUPP-x Series

Voltage Rating (UL – U.S. & Canada)	250VAC / 72VDC
Voltage Rating (VDE)	250VAC / 65VDC
Typical Life Span	6,000 operations @ 1 x IN (low inductance) 3,000 operations @ 1 x IN (inductive) 500 operations @ 2 x IN (inductive)
Insulation Coordination (IEC 60664 & 60664A)	Rated impulse withstand voltage 2.5 kV; reinforced insulation in operating area; pollution degree 2
Dielectric Strength (IEC 60664 & 60664A)	Operating area: 3,000VAC Installation area: 1,500VAC
Insulation Resistance	>100MΩ @ 500VDC
Interrupting Capacity (UL 1077), SCCR	2,000A @ 250VAC; 200A @ 65VDC, SCCR = 2kA with series overcurrent protection
Interrupting Capacity ICN	0.1 to 5A: 6 x IN 6 to 10A: 8 x IN
Degree of Protection (IEC 60529 / DIN 40050)	Operating area IP40; terminal area IP00
Vibration (without terminal block)	5g (57-500 Hz) ±0.38 mm (10-57 Hz) to IEC 60068-2-6, test Fc, 10 frequency cycles/axisand to EN 50155
Shock (without terminal block)	25g (11ms) to IEC 60068-2-27, test Ea
Corrosion	96 hours @ 5% salt mist to IEC 60068-2-11,test Ka
Usage Temperature	-4 to 140°F (-20 to 60°C)
Humidity	240 hours @ 95% RH to IEC 60068-2-3,test Ca
Mass (weight)	15g (0.53 oz)
Agency Approval	UL file # E320462 (435T Series); VDE
Mounting Restrictions	When 2 or more devices are mounted side by side, each device should only carry 80% of its rating, or must be derated accordingly.

DN-SUPP-x typical time/current characteristics @ 23°C (73.4°F)



The time/current characteristic curve depends upon the prevailing ambient temperature. In order to eliminate nuisance tripping, multiply the supplementary protector current ratings by the derating factor shown below:

Ambient Temperature	°F	-22	-4	14	32	73.4	104	122	140
	°C	-30	-20	-10	0	23	40	50	60
Temp Derating Factor		0.8	0.76	0.84	0.92	1	1.08	1.16	1.24

Note: When 2 or more devices are mounted side by side, each device should only carry 80% of its rating, or must be derated accordingly.

DINnectors® Disconnect Terminal Blocks

Both the DN-DIS10 (MN) and the DN-KBD12 (MN) allow fast circuit disconnection without rewiring and are 35mm DIN-rail mountable. The DN-DIS10 (MN) is supplied with a copper disonnect bar installed in the fuse holder. The DN-KBD12 (MN) offers circuit disconnection capability by means of a pivoting, insulated "knife blade".



WARNING: DO NOT DISCONNECT UNDER LOAD



DN-DIS10
Series: EURO S 4LH/35



DN-KBD12
Series: EURO T2.5/35

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price
Gray Disconnect Block	DN-DIS10	50	$301.00	DN-KBD12	50	$166.00
	DN-DIS10MN	10	$48.00	DN-KBD12MN	10	$28.50

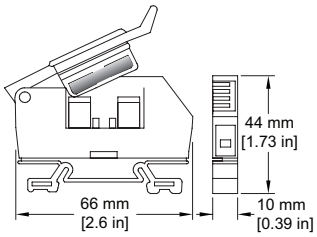
Technical Specifications

Stripping Length	10mm [0.39 in]			10mm [0.39 in]		
Tightening Torque	0.6 N·m [5.3 lb·in]			0.5 N·m [4.4 lb·in]		
Density	125/m [30 pcs/ft]			200/m [60 pcs/ft]		
UL Approval*	300V	30A	24-10 AWG	600V	20A	22-12 AWG
VDE Approval	500V	25A	4mm²	600V	16A	2.5 mm²
Disconnect Type	Copper bar			Copper blade		
Operating Temperature	Ambient air temperature: -20°C to 85°C [-4°F to 185°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-3)			CE (EN 60947-1 / EN 60947-7-1)		
Agency File #	UL E179129 / LR84816					

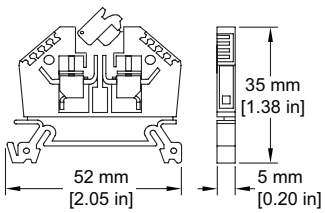
Accessories

End Cover		Included			DN-ECKBD	100	$47.50
					DN-ECKBDMN	10	$6.50
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Bracket		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-L or DN-LT series	500/100	various	DN-LA or DN-LT series	500/100	various

DN-DIS10 / DN-DIS10MN



DN-KBD12 / DN-KBD12MN



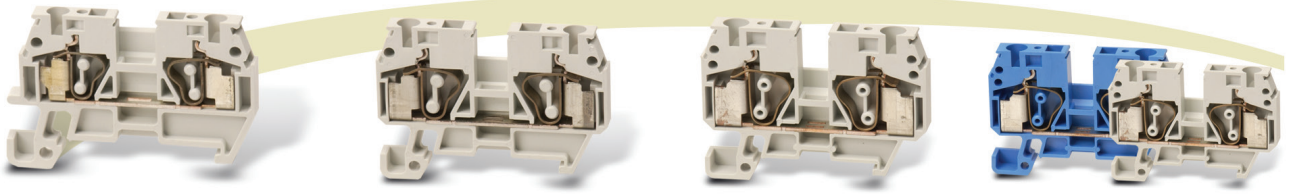
*For copper wire only

Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Screwless DIN*nectors* At A Glance

Feed-through Terminal Blocks

Feed-through terminal blocks are available in a number of wire size options to ensure flexibility and ease of installation for your DIN-rail mounted connection system.

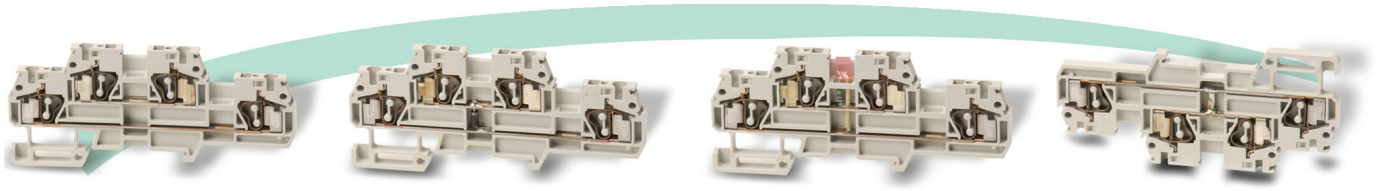


DN-Q12-A | DN-Q10-A | DN-Q8-A

Note: All feed-through terminal blocks come in gray or blue

Multi-level Terminal Blocks

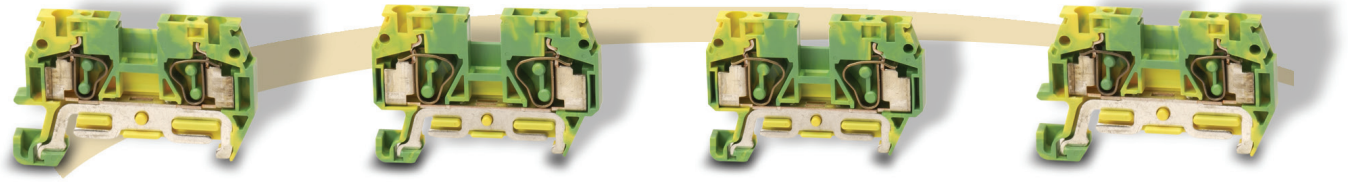
Double-level terminal blocks offer twice the wiring density of feed-through blocks.



DN-QD12-A | DN-QD12DR-A | DN-QD12L2-A | DN-QD12X-A

Ground Terminal Blocks

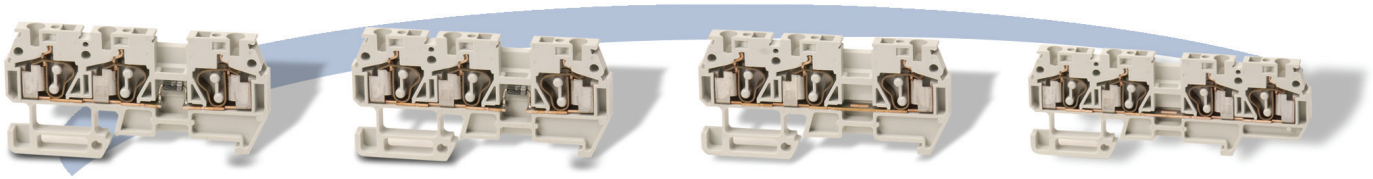
Ground terminal blocks are used to mechanically and electrically connect wires to the DIN rail, thus allowing the rail to function as a ground bus bar.



DN-QG12 | DN-QG10 | DN-QG8 | DN-QG12-1-2

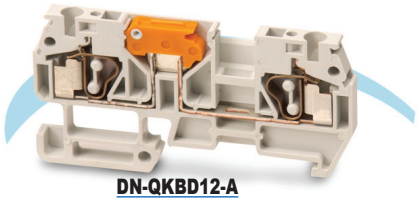
Common Point Terminal Blocks

Common point blocks allow multiple wires to be connected by way of multiple spring clamps.



DN-Q12-1-2-A | DN-Q12-1-2DR-A | DN-Q12-1-2-A | DN-Q12-2-2-A

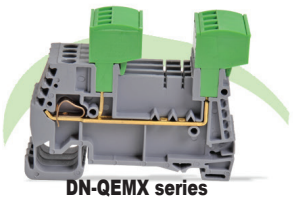
Disconnect Terminal Blocks



DN-QKBD12-A

The DN-QKBD12-A allows fast circuit disconnection without rewiring.

Plug-in Terminal Blocks



DN-QEMX series

Marking Tags & Accessories



DN-Q2J DN-QEC Series

Screwless Terminal Blocks Overview

Why go screwless?

Screwless clamping technology offers several benefits:

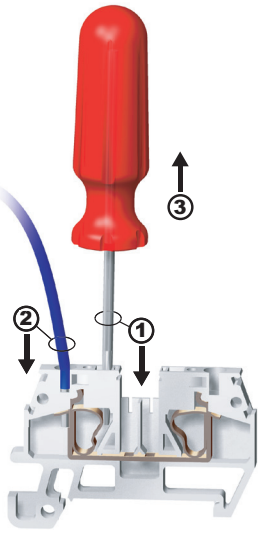
- Speed: On average, screwless connections can be made in half the time of screw type connections, cutting installation labor costs in half.
- Ease: No need for twisting and turning screws, so screwless terminal blocks are much easier on the installer's hands and arms. Also, wiring from the top of the terminal blocks allow installers to accurately and reliably see the wire fully inserted into the spring clamp.
- Safety: Never have a problem with faulty connections from loose screws again! Meets the same UL, and IEC standards as screw-type terminal blocks.
- Maintenance-free: The screwless spring clamp conforms to the wire with constant tension, making it maintenance-free.

Are there any trade-offs of going screwless versus screw-type?

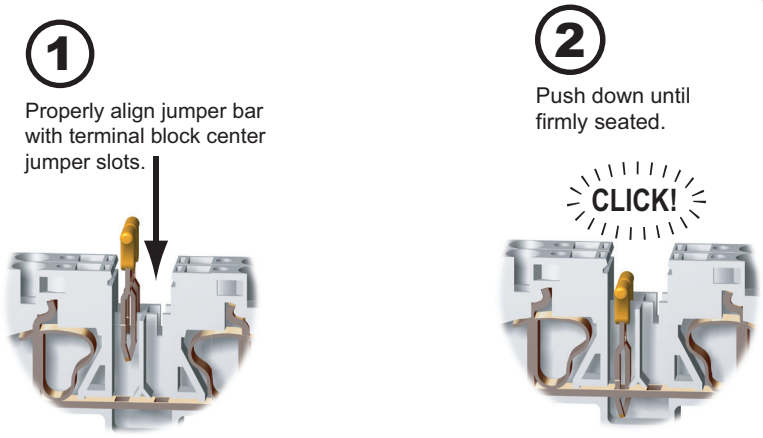
Unless you need to clamp multiple wires to the same connection point, the answer is no. If you do, then there may be a slight trade-off in requiring more panel space than with screw terminal blocks. Unlike screw terminal blocks, screwless terminal block spring-clamps are designed to clamp a single wire, only. This is why multiple versions exist like the "one-to-two" or "two-to-two." These versions allow multiple wires to be connected together via multiple spring clamps.

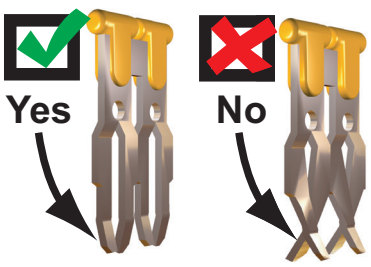
How does it work?

Well, it's pretty simple: Push, Insert, Release. Just push your screwdriver into the spring clamp (a rectangular shaped hole) to open the spring clamp; insert the stripped wire into the clamp a circular shaped hole), and pull out your screwdriver to release the clamp against the wire. That's it. The connection is made.



How do the jumpers work?



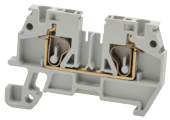


Yes = Good, acceptable jumper
No = Bad, damaged jumper

DINnectors

Screwless Feed-Through Terminal Blocks

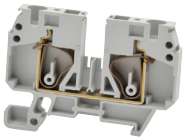
Feed-through terminal blocks provide the means to connect two wires together, and are available in sizes suitable for up to 8AWG wire. These terminal blocks are 35mm DIN rail mountable.



DN-Q12-A
(Euro Q2.5/35)



DN-Q10B-A
(Euro Q4/35)



DN-Q8-A
(Euro Q6/35)

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray Terminal Block	DN-Q12-A	50	$46.00	DN-Q10-A	50	$45.00	DN-Q8-A	50	$70.00
Blue Terminal Block	DN-Q12B-A	50	$48.00	DN-Q10B-A	50	$48.00	DN-Q8B-A	50	$76.00
Description	Screwless feed-through terminal blocks			Screwless feed-through terminal blocks			Screwless feed-through terminal blocks		

Technical Specifications

Stripping Length	12mm [0.47 in]			15mm [0.59 in]			18mm [0.71]		
Density	200/m [60 pcs/ft]			166/m [50 pcs/ft]			125/m [38 pcs/ft]		
UL Approval*	600V	20A	24-12 AWG	600V	30A	24-10 AWG	600V	45A	22-8 AWG
VDE Approval	630V	24A	2.5 mm²	630V	32A	4mm²	630V	41A	6mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]								
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components								
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)								
Agency File #	UL E179129								

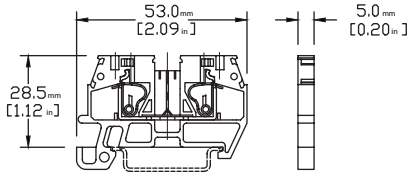
Accessories

End Covers		DN-QEC12	50	$23.50	DN-QEC10	50	$23.50	DN-QEC8	50	$28.00
		DN-QEC12MN	10	$6.00	DN-QEC10MN	10	$6.00	DN-QEC8MN	10	$6.50
Jumpers	2-pole	DN-2J2Y	100	$47.50	DN-2J4Y	100	$50.50	DN-2J6Y	100	$66.00
		DN-2J2YMN	25	$14.50	DN-2J4YMN	25	$16.00	DN-2J6YMN	25	$16.50
	3-pole	DN-3J2Y	100	$68.00	DN-3J4Y	100	$81.00	DN-3J6Y	100	$92.00
		DN-3J2YMN	25	$20.00	DN-3J4YMN	25	$24.00	DN-3J6YMN	25	$26.00
	Multi-pole	DN-24J2Y	5	$31.00	DN-24J4Y	5	$32.50	DN-12J6Y	10	$39.00
Jumper Cutting Tool		DN-J2CUT	1	$87.00	DN-J4CUT	1	$87.00	–		
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various

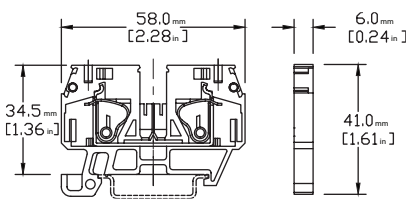
*Copper wire only
Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Dimensions

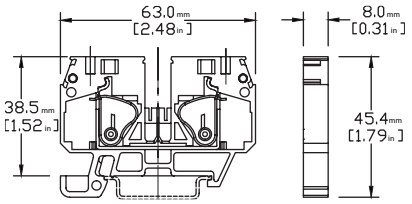
DN-Q12-A



DN-Q10-A



DN-Q8-A



DINnectors®

Screwless Double-Level Terminal Blocks

DN-QD12-A ***DN-QD12X-A***

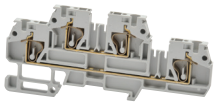
Double-level terminal blocks offer twice the wiring density of feed-through blocks. The DN-QD12X-A version is supplied with an internal jumper to common all four of its connection points.

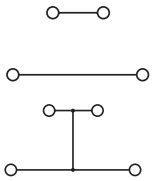
LED version

This style is available with LED indicator installed. The LED illuminates when voltage is present. The DN-QD12L2-A version is for 12 - 24 VAC/DC circuits, and includes current limiting elements.

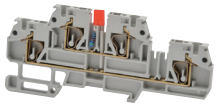
Diode version

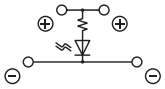
Typically, an inductive load produces a spike when it is turned off. These terminal blocks with built-in diode help protect your PLC's output circuits. (Please see application note AN-MISC-032 at http://support.automationdirect.com/docs/an-misc-032.pdf



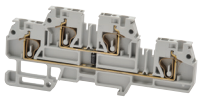


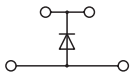
DN-QD12X-A
(Euro QD2.5/35)





DN-QD12L2-A
(Euro QD2.5/35)





DN-QD12DR-A
(Euro QD2.5/35)

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray Terminal Blk	***DN-QD12-A***	25	$67.00	***DN-QD12X-A***	10	$45.00	***DN-QD12L2-A***	10	$46.00	***DN-QD12DR-A***	10	$45.00
Blue Terminal Blk	***DN-QD12B-A***	25	$70.00	***DN-QD12XB-A***	10	$47.00	–			–		
Description	Double-level screwless terminal blocks			Double-level screwless cross-connected terminal blocks			Double-level screwless terminal blocks w/ LED installed for visual circuit indication			Double-level screwless terminal blocks w/diode installed for circuit protection		

Technical Specifications

Stripping Length	12mm [0.47 in]			12mm [0.47 in]			12mm [0.47 in]			12mm [0.47 in]		
Density	200/m [60 pcs/ft]			200/m [60 pcs/ft]			200/m [60 pcs/ft]			200/m [60 pcs/ft]		
UL Approval*	600V	20A	24-12 AWG	600V	20A	24-12AWG	600V	20A	24-12 AWG	600V	1A diode	24-12 AWG
VDE Approval	500V	24A	2.5 mm²	500V	24A	2.5 mm²	500V	24A	2.5 mm²	500V	1A diode	2.5 mm²
LED Voltage	–			–			12 -24 VAC/DC. 3.4 kΩ			–		
Operating Temp	Ambient air temperature: -20 to 105°C [-4 to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]											
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components											
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)											
Agency File #	UL E179129											

Accessories

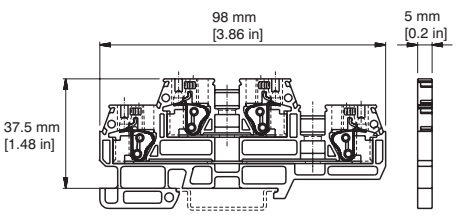
End Covers		***DN-QDEC12***	25	$18.00	***DN-QDEC12***	25	$18.00	***DN-QDEC12***	25	$18.00	***DN-QDEC12***	25	$18.00
Jumpers	***2-pole***	***DN-2J2Y***	100	$47.50	***DN-2J2Y***	100	$47.50	***DN-2J2Y***	100	$47.50	***DN-2J2Y***	100	$47.50
		DN-2J2YMN	25	$14.50	***DN-2J2YMN***	25	$14.50	***DN-2J2YMN***	25	$14.50	***DN-2J2YMN***	25	$14.50
	3-pole	***DN-3J2Y***	100	$68.00	***DN-3J2Y***	100	$68.00	***DN-3J2Y***	100	$68.00	***DN-3J2Y***	100	$68.00
		DN-3J2YMN	25	$20.00	***DN-3J2YMN***	25	$20.00	***DN-3J2YMN***	25	$20.00	***DN-3J2YMN***	25	$20.00
	24-pole	***DN-24J2Y***	5	$31.00	***DN-24J2Y***	5	$31.00	***DN-24J2Y***	5	$31.00	***DN-24J2Y***	5	$31.00
Cutting Tool		***DN-J2CUT***	1	$87.00	***DN-J2CUT***	1	$87.00	***DN-J2CUT***	1	$87.00	***DN-J2CUT***	1	$87.00
35mm DIN Rail	***7.5 mm high***	***DN-R35S1***	10	$39.00	***DN-R35S1***	10	$39.00	***DN-R35S1***	10	$39.00	***DN-R35S1***	10	$39.00
		DN-R35S1-2	2	$11.00	***DN-R35S1-2***	2	$11.00	***DN-R35S1-2***	2	$11.00	***DN-R35S1-2***	2	$11.00
End Brackets		***DN-EB35***	50	$74.00	***DN-EB35***	50	$74.00	***DN-EB35***	50	$74.00	***DN-EB35***	50	$74.00
		DN-EB35MN	20	$34.50	***DN-EB35MN***	20	$34.50	***DN-EB35MN***	20	$34.50	***DN-EB35MN***	20	$34.50
		DN-EB35-A	50	$52.50	***DN-EB35-A***	50	$52.50	***DN-EB35-A***	50	$52.50	***DN-EB35-A***	50	$52.50
		DN-EB35-A-10	10	$13.00	***DN-EB35-A-10***	10	$13.00	***DN-EB35-A-10***	10	$13.00	***DN-EB35-A-10***	10	$13.00
		DN-QEB35	50	$47.00	***DN-QEB35***	50	$47.00	***DN-QEB35***	50	$47.00	***DN-QEB35***	50	$47.00
		DN-QEB35-10	10	$12.50	***DN-QEB35-10***	10	$12.50	***DN-QEB35-10***	10	$12.50	***DN-QEB35-10***	10	$12.50
Angled Support Bracket		***DN-ASB1***	50	$107.00	***DN-ASB1***	50	$107.00	***DN-ASB1***	50	$107.00	***DN-ASB1***	50	$107.00
Marking Tags		DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various

***Copper wire only**

For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Dimensions

DN-QD12-A Series

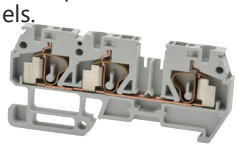


Note: Jumpering and testing capability on bottom level only, for DN-QD12X, DN-QD12L2 and DN-QD12DR.

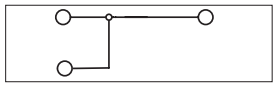
DINnectors® Screwless One-Connection to Two-Connection Terminal Blocks

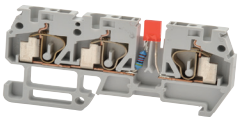
Unlike screw terminal blocks, screwless terminal block spring clamps are designed to clamp a single wire. If your application requires multiple wires to be tied together, we offer multiple versions, including one-to-two and two-to-two models.

These versions allow multiple wires to be connected together by way of multiple spring clamps and are 35mm DIN-rail mountable. LED and diode variations are also available in this style.

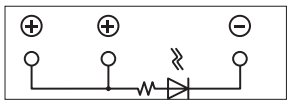


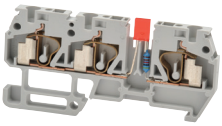
DN-Q12-1-2-A
(Euro QM1/2 2.5/35)



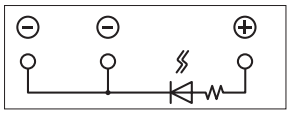


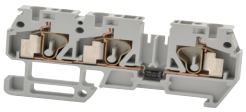
DN-Q12-1-2L1-A
(Euro QM1/2 2.5/35)



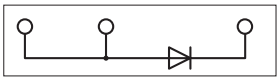


DN-Q12-1-2L2-A
(Euro QM1/2 2.5/35)





DN-Q12-1-2DR-A
(Euro QM1/2 2.5/35)



1N4007 Reverse bias diode
(See Diode information located on page tTBL-60)

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray Term Block	DN-Q12-1-2-A	25	$43.50	DN-Q12-1-2L1-A	10	$43.00	DN-Q12-1-2L2-A	10	$43.00	DN-Q12-1-2DR-A	10	$38.50
Blue Term Block	DN-Q12B-1-2-A	25	$46.00	–			–			–		
Description	One-connection to two-connection screwless terminal block for 24-12 AWG wire			One negative connection to two positive connection screwless terminal block for 24-12 AWG wire. LED installed for visual circuit indication			One positive connection to two negative connection screwless terminal block for 24-12 AWG wire. LED installed for visual circuit indication			One-connection to two-connection screwless terminal block for 24-12 AWG wire. 1N4007 reverse bias diode installed for circuit protection		

Technical Specifications

Stripping Length	12mm [0.47 in]			12mm [0.47 in]			12mm [0.47 in]			12mm [0.47 in]		
Density	200/m [60 pcs/ft]			200/m [60 pcs/ft]			200/m [60 pcs/ft]			200/m [60 pcs/ft]		
UL Approval*	600V	20A	24-12 AWG	600V	20A	24-12AWG	600V	20A	24-12 AWG	600V	1A diode	24-12 AWG
VDE Approval	630V	24A	2.5 mm²	630V	24A	2.5 mm²	630V	24A	2.5 mm²	630V	1A diode	2.5 mm²
LED Voltage	–			12 -24 VAC/DC 3.4 kΩ			12 -24 VAC/DC 3.4 kΩ			–		
Operating Temp	Ambient air temperature: -20 to 105°C [-4 to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]											
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components											
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)											
Agency File #	UL E179129											

Accessories

		Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
End Covers		DN-QEC12-1-2	25	$16.50	DN-QEC12-1-2	25	$16.50	DN-QEC12-1-2	25	$16.50	DN-QEC12-1-2	25	$16.50
Jumper	**2-pole**	DN-2J2Y	100	$47.50	–			–			–		
		DN-2J2YMN	25	$14.50									
	3-pole	DN-3J2Y	100	$68.00									
		DN-3J2YMN	25	$20.00									
	24-pole	DN-24J2Y	5	$31.00									
Cutting Tool		DN-J2CUT	1	$87.00	DN-J2CUT	1	$87.00	DN-J2CUT	1	$87.00	DN-J2CUT	1	$87.00
35mm DIN Rail		DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
End Brackets		DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various

*** Copper wire only.**
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

DINnectors® Screwless One-Connection to Two-Connection Terminal Blocks

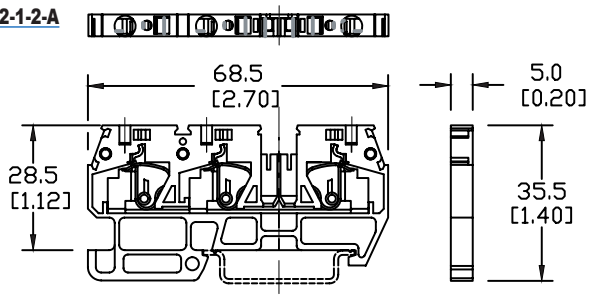
1N4007 Diode Information		
*RMS Reverse Voltage**	*V (Rrms)*	*600V*
Average Rectified Forward Current Single Phase, Resistive Load, 60Hz	I (O)	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	30A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0 A]	V (F)	1.1 V
Maximum Reverse Current	I (R)	10eA

*** The maximum reverse voltage rating of the diode alone is 1000V, but should not exceed the maximum 600V rating of the terminal block.**

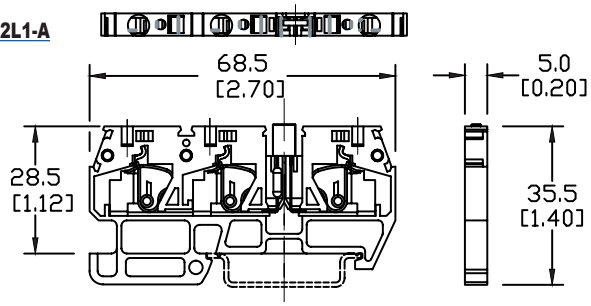
Dimensions

mm [inches]

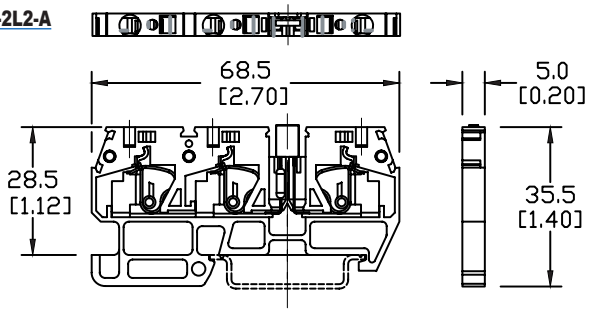
DN-Q12-1-2-A



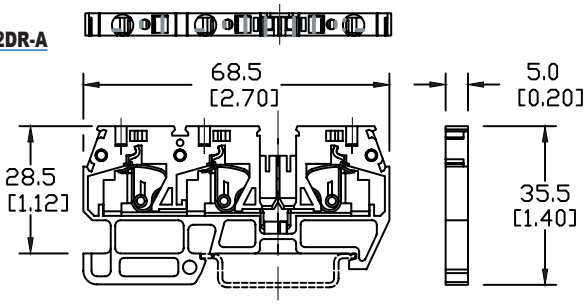
DN-Q12-1-2L1-A



DN-Q12-1-2L2-A

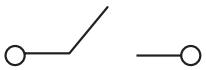


DN-Q12-1-2DR-A

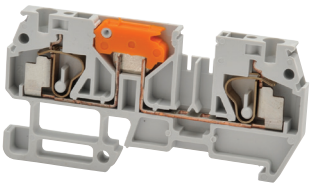


DINnectors® Screwless Knife-Blade Disconnect Terminal Blocks

The DN-QKBD12-A allows fast circuit disconnection without rewiring and is 35mm DIN-rail mountable. This model provides circuit disconnection capability by means of a pivoting, insulated "knife blade."

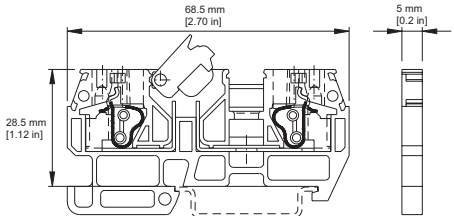


WARNING: DO NOT DISCONNECT UNDER LOAD



DN-QKBD12-A (Euro QT2.5/35)

Dimensions

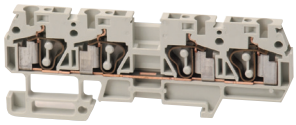


Knife - Blade Disconnect Screwless Terminal Block				
		Part Number	Qty	Price
Gray Terminal Block		DN-QKBD12-A	25	$79.00
Description		Knife-blade disconnect screwless terminal block for 24-12 AWG wire		
Specifications				
Wire Strip Length		12mm [0.47 in]		
Density		200/m [60 pcs/ft]		
UL Approval*		600V	20A	24-12 AWG
VDE Approval		630V	24A	2.5 mm²
Operating Temperature		Ambient air temperature: -20 to 85°C [-4 to 185°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]		
SCCR		10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components		
CE Conformity		CE (EN 60947-1 / EN 60947-7-1)		
Agency File #		UL E179129		
Accessories				
		Part Number	Pcs/ Pkg	Price
End Cover		DN-QEC12-1-2	25	$16.50
Jumpers	2-pole	DN-2J2Y	100	$47.50
		DN-2J2YMN	25	$14.50
	3-pole	DN-3J2Y	100	$68.00
		DN-3J2YMN	25	$20.00
	24-pole	DN-24J2Y	5	$31.00
Jumper Cutting Tool		DN-J2CUT	1	$87.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00
End Brackets		DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00
Marking Tags		DN-QL Series	500	various

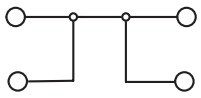
*** Copper wire only.**

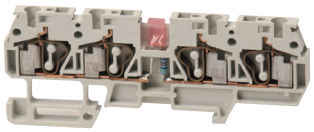
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

DINnectors® Screwless Two-Connection to Two-Connection Terminal Blocks



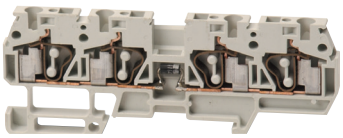
DN-Q12-2-2-A
(Euro QM2/2 2.5/35)





DN-Q12-2-2L2-A
(Euro QM2/2 2.5/35)





DN-Q12-2-2D2-A
(Euro QM2/2 2.5/35)



1N4007 Reverse bias diode
(See Diode information located on page tTBL-60)

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Gray Terminal Block	DN-Q12-2-2-A	25	$46.00	DN-Q12-2-2L2-A	10	$47.00	DN-Q12-2-2D2-A	10	$39.50
Blue Terminal Block	DN-Q12B-2-2-A	25	$48.00	–			–		
Description	Two-connection to two-connection screwless terminal block for 24-12 AWG wire			Two-connection to two-connection screwless terminal block for 24-12 AWG wire. LED installed for visual circuit indication			Two-connection to two-connection screwless terminal block for 24-12 AWG wire. Reverse bias diode installed for circuit protection		

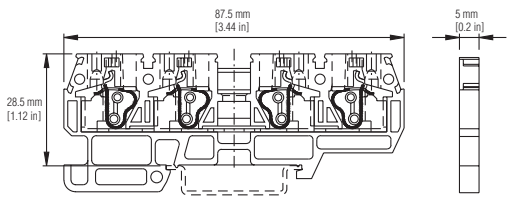
Technical Specifications

Stripping Length	12mm [0.47 in]			12mm [0.47 in]			12mm [0.47 in]		
Density	200/m [60 pcs/ft]			200/m [60 pcs/ft]			200/m [60 pcs/ft]		
UL Approval*	600V	20A	24-12 AWG	600V	20A	24-12 AWG	600V	1A Diode	24-12 AWG
VDE Approval	630V	20A	2.5 mm²	630V	24A	2.5 mm²	630V	1A Diode	2.5 mm²
LED Voltage	–			12 - 24 VAC/DC 3.4 kΩ			–		
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]								
SCCR	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components								
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)								
Agency File #	UL E179129								

Accessories

End Cover		DN-QEC12-2-2	25	$18.00	DN-QEC12-2-2	25	$18.00	DN-QEC12-2-2	25	$18.00
Jumpers	2-pole	DN-2J2Y	100	$47.50	–			–		
		DN-2J2YMN	25	$14.50						
	3 pole	DN-3J2Y	100	$68.00						
		DN-3J2YMN	25	$20.00						
	24-pole	DN-24J2Y	5	$31.00						
Jumper Cutting Tool		DN-J2CUT	1	$87.00						
DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
End Bracket		DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-qeb35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various

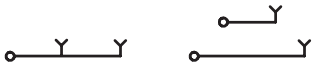
*** Copper wire only**
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

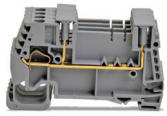


DINnectors®

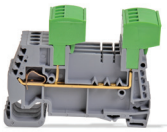
Screwless Plug-In Terminal Blocks

Single and double-level DN-QEMXxx screwless plug-in terminal blocks with spring terminals accept all DN-xxPLUG Euro plugs. These terminal blocks are 35mm DIN-rail mountable.

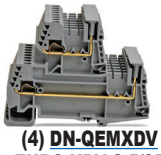




(4) DN-QEMXM1
EURO XM1/2V 2.5/35



(4) DN-QEMXM1 with
(2) DN-4PLUG



(4) DN-QEMXDV
EURO XDV 2.5/35



(4) DN-QEMXDV with
(2) DN-4PLUG

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price
Gray Terminal Block	DN-QEMXM1	32	$69.50	DN-QEMXDV	32	$89.00

Technical Specifications

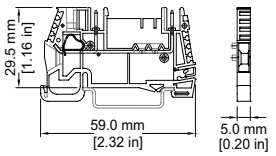
Stripping Length	8mm [0.31 in]			8mm [0.31 in]		
Levels	Single Level			Double Level		
UL Approval*	300V	12A	24-12 AWG	300V	11A**	24-12 AWG
Operating Temperature	Ambient air temperature: -20°C to 105°C [-4°F to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, maximum SCCR for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

Accessories

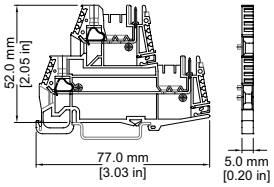
End Cover	left (open) side	DN-EMXM1EC1	25	$16.50	DN-EMXDVEC1	25	$16.50
	right (closed) side	DN-EMXM1EC2	25	$16.50	DN-EMXDVEC2	25	$16.50
Spacer	either side	DN-EMXM1SPA1	25	$14.50	DN-EMXM1SPA1	25	$14.50
Jumpers	2-pole	DN-2J2Y	100	$47.50	DN-2J2Y	100	$47.50
		DN-2J2YMN	25	$14.50	DN-2J2YMN	25	$14.50
	3-pole	DN-3J2Y	100	$68.00	DN-3J2Y	100	$68.00
		DN-3J2YMN	25	$20.00	DN-3J2YMN	25	$20.00
	24-pole	DN-24J2Y	5	$31.00	DN-24J2Y	5	$31.00
Jumper Cutting Tool		DN-J2CUT	1	$87.00	DN-J2CUT	1	$87.00
Pin Protector – 4-pole		DN-EMPEG1 ***	16	$4.50	DN-EMPEG1 ***	16	$4.50
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
End Bracket		DN-EB35	50	$74.00	DN-EB35	50	$74.00
		DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
		DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
		DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
		DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
		DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket		DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags		DN-LA, DN-LT, DN-EMLBL series	500/100	various	DN-LA, DN-LT, DN-EMLBL series	500/100	various

*For copper wire only **DN-QEMXDV rated 12A for stranded wire; 11A for solid wire
***DN-EMPEG1 each piece covers and protects up to 4 unused pins
Note: For more information on accessories, see the DINnectors Accessories section of this section.

DN-QEMXM1



DN-QEMXDV



Accessories – Terminal Plugs

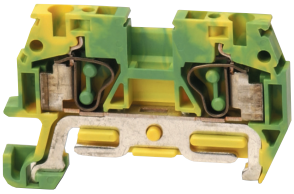
*Part Number	Number of Poles	Length in [mm]	Qty	Price	*Part Number	Number of Poles	Length in [mm]	Qty	Price
DN-2PLUG	2	0.40 [10.2]	200	$127.00	DN-8PLUG	8	1.60 [40.6]	50	$129.00
DN-2PLUGMN			10	$8.00	DN-8PLUGMN			5	$16.00
DN-3PLUG	3	0.60 [15.2]	200	$195.00	DN-9PLUG	9	1.80 [45.7]	50	$141.00
DN-3PLUGMN			10	$12.50	DN-9PLUGMN			5	$16.50
DN-4PLUG	4	0.80 [20.3]	100	$130.00	DN-10PLUG	10	2.00 [50.8]	50	$150.00
DN-4PLUGMN			10	$16.00	DN-10PLUGMN			5	$18.50
DN-5PLUG	5	1.00 [25.4]	100	$150.00	DN-11PLUG	11	2.20 [55.9]	50	$177.00
DN-5PLUGMN			10	$20.00	DN-11PLUGMN			5	$21.50
DN-6PLUG	6	1.20 [30.5]	100	$194.00	DN-12PLUG	12	2.40 [61.0]	50	$194.00
DN-6PLUGMN			10	$20.00	DN-12PLUGMN			5	$22.00
DN-7PLUG	7	1.40 [35.6]	50	$101.00					
DN-7PLUGMN			5	$16.00					

* DN-xxPLUGs fit all DN-EMXxx & DN-QEMXxx plug-in terminal blocks.

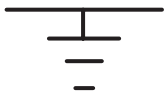
Terminal Plugs Ratings

Voltage/ Current	300V, 12A
Wire Gauge	14–22 AWG, CU only
Torque	Tightening Torque: 0.51 N·m [4.5 lb-in]
Operating Temperature	Ambient air temp: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]
Agency Approvals	UL file #: E179129

DINnectors® Screwless Ground Terminal Blocks



DN-QG12
(Euro QE2.5/35)



Ground terminal blocks are used to mechanically and electrically connect wires to the DIN rail by means of a conducting clamping foot. In this way, the DIN rail can function as a ground bus bar.

Ground blocks are molded in green and yellow per international standards and are 35mm DIN-rail mountable.

Ordering Information

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
Green/Yellow Block	DN-QG12	10	$35.00	DN-QG10	10	$37.00	DN-QG8	10	$45.00

Technical Specifications

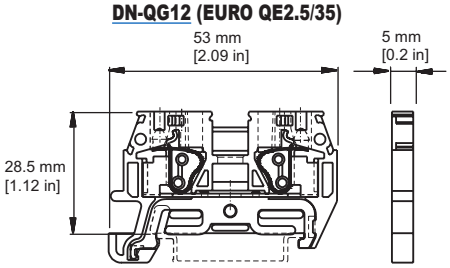
Stripping Length	12mm [0.47 in]	15mm [0.59 in]	18mm [0.71 in]
Density	200/m [60 pcs/ft]	166/m [50 pcs/ft]	125/m [38 pcs/ft]
UL Approval	24-12 AWG	24-10 AWG	22-8 AWG
VDE Approval	2.5 mm²	4mm²	6mm²
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] / Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]		
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components		
CE Conformity	CE (EN 60947-1 / EN 60947-7-2)		
Agency File #	UL E179129		

Accessories

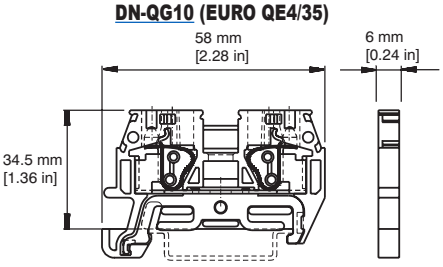
End Cover	DN-QEC12	50	$23.50	DN-QEC10	50	$23.50	DN-QEC8	50	$28.00
	DN-QEC12MN	10	$6.00	DN-QEC10MN	10	$6.00	DN-QEC8MN	10	$6.50
35mm DIN Rail	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
End Brackets	DN-EB35	50	$74.00	DN-EB35	50	$74.00	DN-EB35	50	$74.00
	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50	DN-EB35MN	20	$34.50
	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50	DN-EB35-A	50	$52.50
	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00	DN-EB35-A-10	10	$13.00
	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00	DN-QEB35	50	$47.00
	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50	DN-QEB35-10	10	$12.50
Angled Support Bracket	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00	DN-ASB1	50	$107.00
Marking Tags	DN-QL Series	500	various	DN-QL Series	500	various	DN-QL Series	500	various

Note: For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

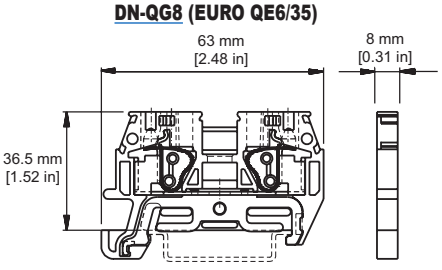
DN-QG12 (EURO QE2.5/35)



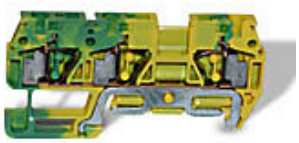
DN-QG10 (EURO QE4/35)



DN-QG8 (EURO QE6/35)



DINnectors® Screwless Ground Terminal Blocks

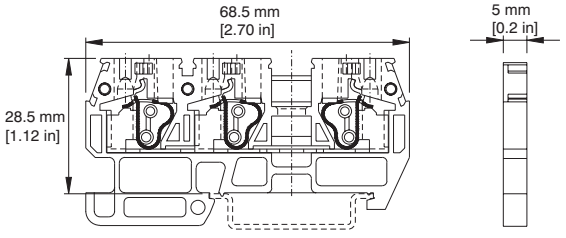


DN-QG12-1-2
(EURO QME3-2.5/35)

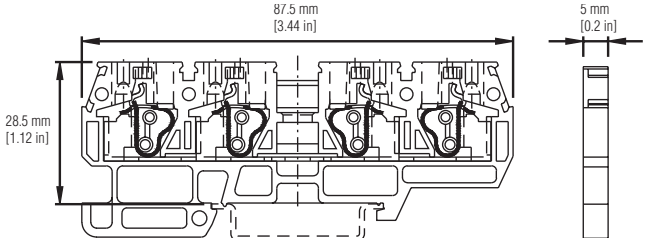
Ordering Information						
	Part Number	**Qty**	**Price**	**Part Number**	**Qty**	**Price**
Green/Yellow Block	***DN-QG12-1-2***	10	$61.50	***DN-QG12-2-2***	10	$70.00
Technical Specifications						
Stripping Length	12mm [0.47 in]			12mm [0.47 in]		
Density	200/m [60 pcs/ft]			200/m [60 pcs/ft]		
UL Approval	24-12 AWG			24-12 AWG		
VDE Approval	2.5 mm²			2.5 mm²		
Operating Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]					
SCCR Rating	10kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components					
CE Conformity	CE (EN 60947-1 / EN 60947-7-2)					
Agency File #	UL E179129					
Accessories						
End Cover	***DN-QEC12-1-2***	25	$16.50	***DN-QEC12-2-2***	25	$18.00
35mm DIN Rail	***DN-R35S1***	10	$39.00	***DN-R35S1***	10	$39.00
	DN-R35S1-2	2	$11.00	***DN-R35S1-2***	2	$11.00
End Brackets	***DN-EB35***	50	$74.00	***DN-EB35***	50	$74.00
	DN-EB35MN	20	$34.50	***DN-EB35MN***	20	$34.50
	DN-EB35-A	50	$52.50	***DN-EB35-A***	50	$52.50
	DN-EB35-A-10	10	$13.00	***DN-EB35-A-10***	10	$13.00
	DN-QEB35	50	$47.00	***DN-QEB35***	50	$47.00
	DN-QEB35-10	10	$12.50	***DN-QEB35-10***	10	$12.50
Angled Support Bracket	***DN-ASB1***	50	$107.00	***DN-ASB1***	50	$107.00
Marking Tags	DN-QL-Series	500	various	DN-QL Series	500	various

Note: For more information of accessories, see the DIN*nector*s Accessories section of this chapter.

DN-QG12-1-2 (EURO QME3-2.5/35)

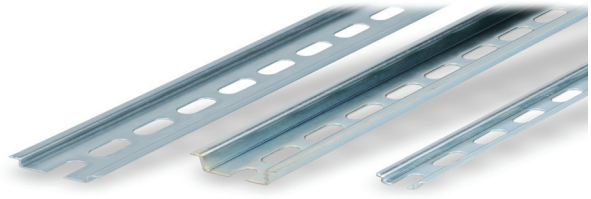


DN-QG12-2-2 (EURO QME4-2.5/35)



DINnectors® Accessories

Steel DIN Rail (One-Meter Length)



Features

35mm wide

- 7.5 mm-high rails primarily used to mount terminal blocks, relays, timers and small PLCs such as the BRX, CLICK, DirectLogic and Productivity series. 15mm-high rails for mounting larger and heavier components such as contactors and larger PLCs

15mm wide

- DN-R15S1 exclusively for mounting mini terminal blocks such as the DN-M10-A

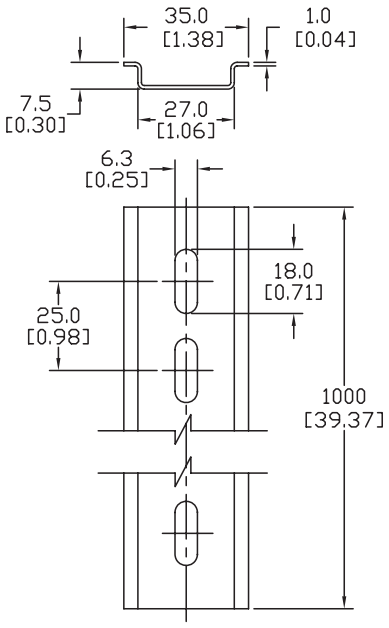
Steel DIN Rails Specifications

	Part Number	Qty	Price	Part Number	Qty	Price	Part Number	Qty	Price
DIN Rail	***DN-R35S1***	10	$39.00	***DN-R35HS1***	10	$68.00	***DN-R15S1***	10	$36.00
	DN-R35S1-2	2	$11.00	***DN-R35HS1-2***	2	$16.50	***DN-R15S1-2***	2	$10.00
Description	DIN*nector* DIN rail, slotted, 35mm width, 7.5mm height, 1m (39.37in) length, plated steel. Package of 10.			DIN*nector* DIN rail, slotted, 35mm width, 15mm height, 1m (39.37in) length, plated steel. Package of 10.			DIN*nector* DIN rail, slotted, 15mm width, 5.5mm height, 1m (39.37in) length, plated steel. Package of 10.		
Plating	Zinc-plated and chromated								
International Standards	EN 60715, RoHs								
Suggested Mounting Screw Type	M6			M6			M4		

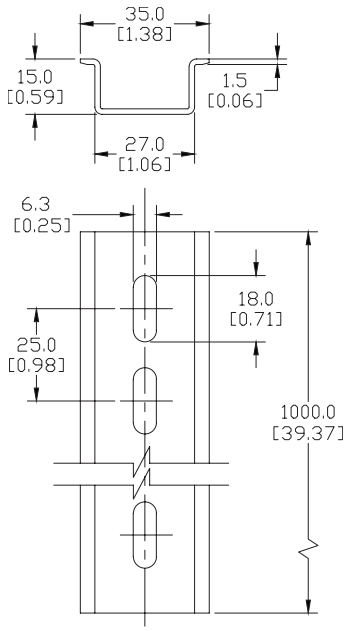
Dimensions

mm [inches]

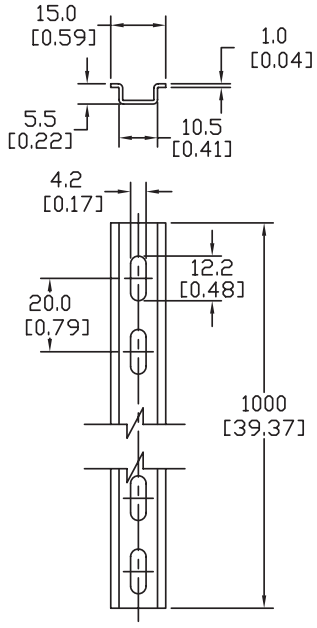
DN-R35S1



DN-R35HS1



DN-R15S1



See our website: www.AutomationDirect.com for complete engineering drawings

Aluminum DIN Rail (One-Meter Length)

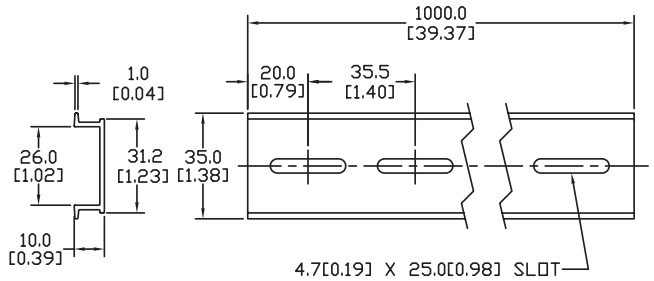
Features

35mm wide

- Non-anodized finish
- Terminal blocks only
- Maximum mounting screw #10-32 or M5
- Available in 1-meter standard length
- Quantity per pack: 2 or 10

Dimensions

mm [inches]

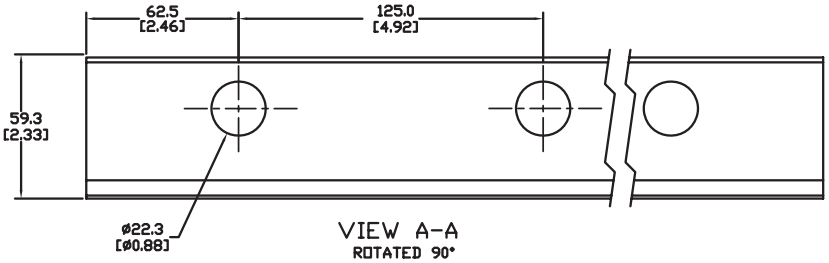


DN-R35SAL1
DN-R35SAL1-2

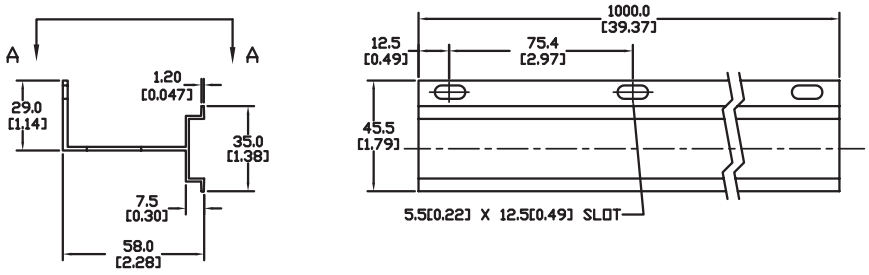
Features

35mm wide raised

- Non-anodized finish
- Enables users to raise terminal blocks 2¼" above the back panel
- Terminal blocks only
- Available in 1-meter standard length
- Bushing or grommet recommended for wire access hole (example Heyco UB-875 not sold by ADC)
- Quantity per pack: 2



DN-R35SAL2-2



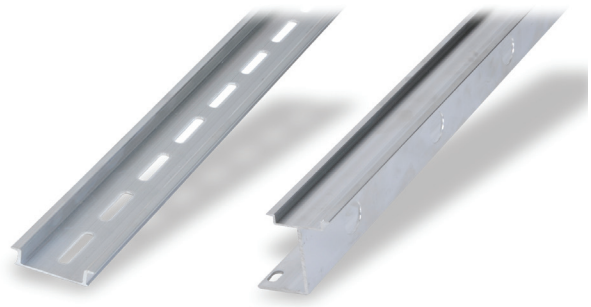
Aluminum DIN Rails Specifications (One-Meter Length)						
	Part Number	***Qty***	***Price***	***Part Number***	***Qty***	***Price***
DIN Rail	***DN-R35SAL1***	10	$61.00	***DN-R35SAL2-2***	2	$39.00
	DN-R35SAL1-2	2	$16.50			
Description	DIN*nector* DIN rail, slotted, 35mm width, 10mm height, 1m (39.37in) length, aluminum. Package of 10.			DIN*nector* DIN rail, slotted, 2in raised 35mm width, 7.5mm height, 1m (39.37in) length, aluminum. Package of 2.		
International Standards	DIN 50960, RoHs					
Suggested Mounting Screw Type	#10-32 or M5					



See our website: www.AutomationDirect.com for complete engineering drawings

DINnectors® Accessories

Aluminum DIN Rail (Pre-Cut Lengths)



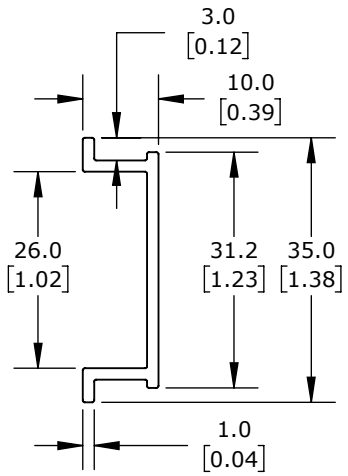
Features

35mm wide

- Non-anodized finish
- Terminal blocks only
- Maximum mounting screw #10-32 or M5
- Available in variable lengths (see chart)
- Quantity per pack: 5

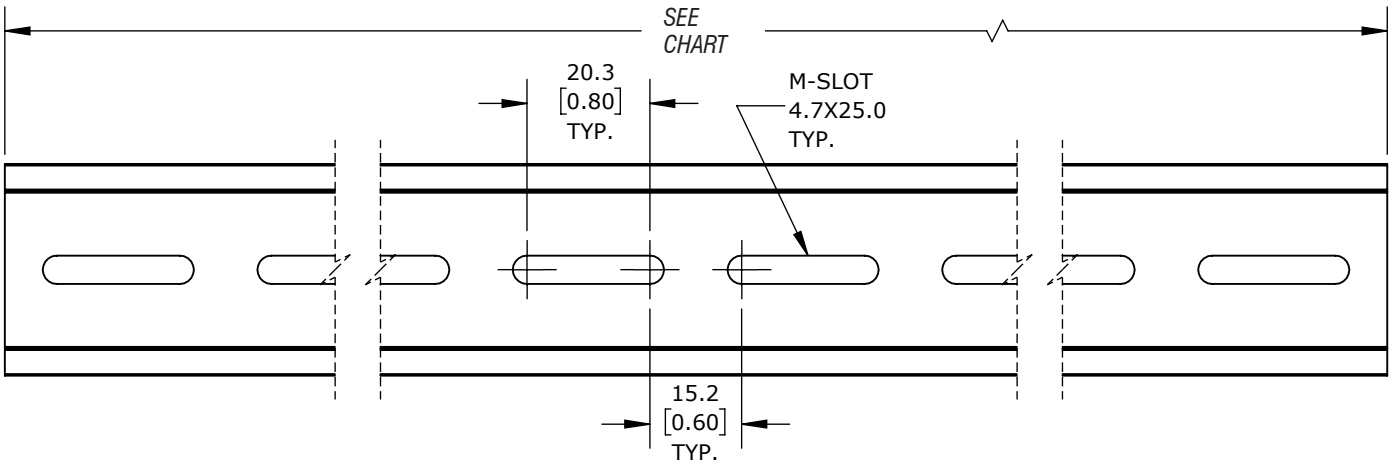
Dimensions

mm [inches]



Aluminum DIN Rails Specifications (Pre-Cut Lengths)

Part Number	Length mm [in]	Number of Slots	Price
DN-R35SAL1-072-5	72 [2.83]	2	$9.75
DN-R35SAL1-143-5	143 [5.63]	4	$12.00
DN-R35SAL1-215-5	215 [8.46]	6	$14.00
DN-R35SAL1-286-5	286 [11.26]	8	$16.50
DN-R35SAL1-358-5	358 [14.09]	10	$19.00
DN-R35SAL1-429-5	429 [16.89]	12	$20.50
DN-R35SAL1-500-5	500 [19.69]	14	$22.00
DN-R35SAL1-572-5	572 [22.52]	16	$24.50
DN-R35SAL1-644-5	644 [25.35]	18	$26.00
DN-R35SAL1-715-5	715 [28.15]	20	$27.00
DN-R35SAL1-787-5	787 [30.98]	22	$28.50
DN-R35SAL1-858-5	858 [33.78]	24	$30.50



See our website: www.AutomationDirect.com for complete engineering drawings

DINnectors® Accessories

DIN rail support brackets

- Angled support brackets raise and tilt mounting rails 30 degrees from mounting surface for easier wiring
- DN-ASB1 plated steel support bracket
- DN-ASB2-10 cold-rolled steel treated with galvanic zinc plating and passivation

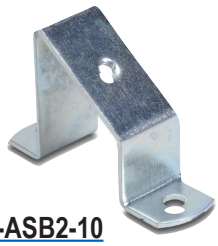
DIN rail mounting clips

- Snap small devices not made for mounting onto 35mm DIN rails
- Zinc-plated steel

DIN Rail Support Brackets and Mounting Clips			
Part Number	***Description***	***Qty***	***Price***
DN-ASB1	30˚angled DIN rail support bracket (M6-1.0 screws not included)	50	$107.00
DN-ASB2-10	30˚angled DIN rail support bracket (M6-1.0 screws included)	10	$18.50
DN-SSB25-10	1" (25mm) DIN rail support bracket (M6-1.0 screws included)	10	$25.00
DN-SSB50-10	2" (50mm) DIN rail support bracket (M6-1.0 screws included)	10	$26.00
DN-SSB70-10	2.75" (70mm) DIN rail support bracket (M6-1.0 screws included)	10	$32.50
DN-SSB90-10	3.5" (90mm) DIN rail support bracket (M6-1.0 screws included)	10	$35.00
DN-CLIP-FM4	DIN rail mounting clip with M4 x 0.7 mm threaded hole (Screws not included)	40	$68.00
DN-CLIP-FM4-5		5	$9.50
DN-CLIP-FM5	DIN rail mounting clip with M5 x 0.8 mm threaded hole (Screws not included)	40	$68.00
DN-CLIP-FM5-5		5	$9.50



DN-ASB1



DN-ASB2-10



DN-SSB25-10



DN-SSB50-10



DN-SSB70-10



DN-SSB90-10



DN-CLIP-FM4
DN-CLIP-FM4-5

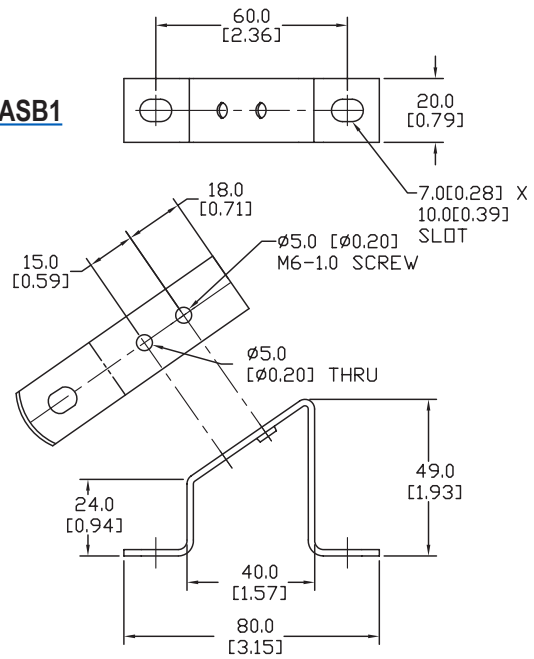


DN-CLIP-FM5
DN-CLIP-FM5-5

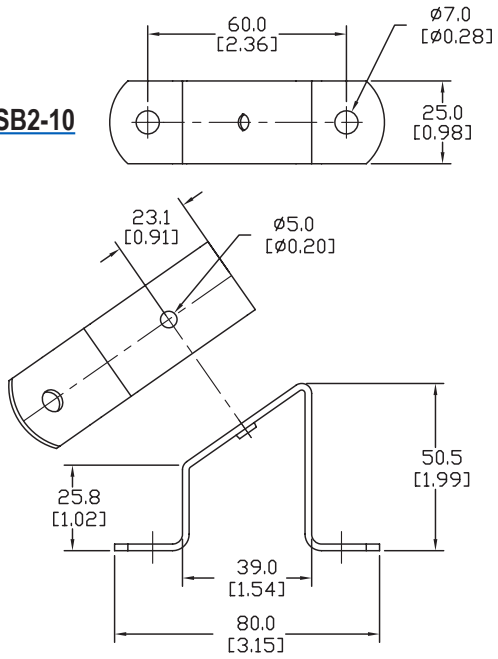
Dimensions

mm [inches]

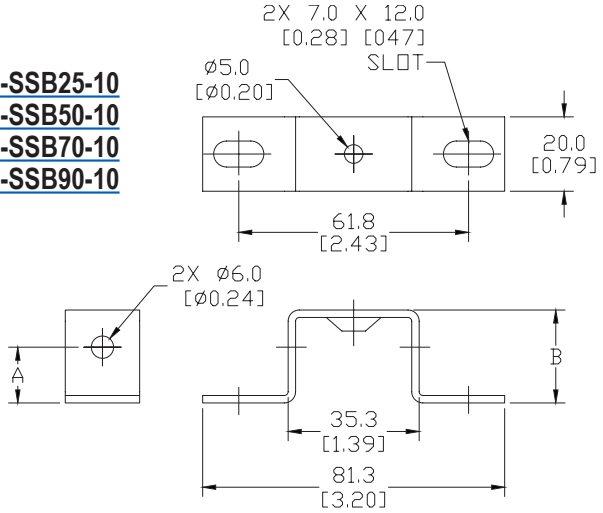
DN-ASB1



DN-ASB2-10

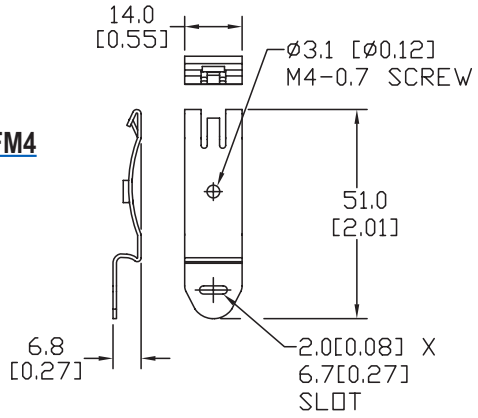


DN-SSB25-10
DN-SSB50-10
DN-SSB70-10
DN-SSB90-10

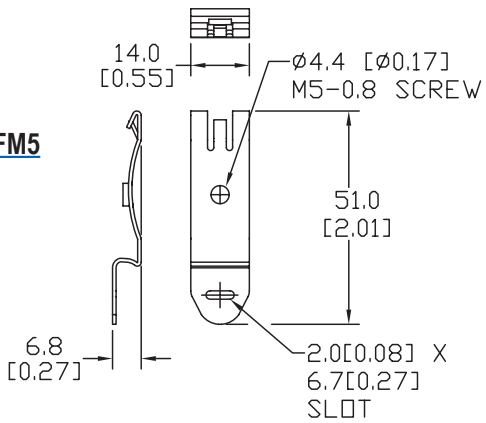


DIN Rail Support Brackets		
Part Number	*DIM A mm [inches]*	*DIM B mm [inches]*
DN-SSB25-10	15.0 [0.59]	25.0 [0.98]
DN-SSB50-10	40.0 [1.58]	50.0 [1.97]
DN-SSB70-10	60.0 [2.36]	70.0 [2.76]
DN-SSB90-10	80.0 [3.15]	90.0 [3.54]

DN-CLIP-FM4



DN-CLIP-FM5



See our website: www.AutomationDirect.com for complete engineering drawings

DINnectors Accessories

Jumpers

Multi-pole jumper bars for DIN*nector* terminal blocks



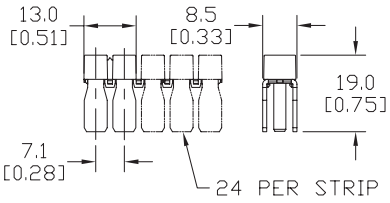
DN-12JL14B-A

Multi-pole Jumper Bars								
Part Number	Qty	Price	Number of Poles	Rating (V)	Rating (A)	Tightening Torque	Insulation Color	For Use With Terminal Block Series
Screw-down Connection								
DN-2J6	100	$84.00	2	600	65	0.5 Nm [4.4 Lb-In]	–	DN-T6
DN-3J6	100	$145.00	3	600	65		–	
DN-4J6	100	$186.00	4	600	65		–	
DN-55J6	1	$29.00	55	600	65		–	
DN-24J8	5	$45.00	24	600	50	0.6 Nm [5.3 lb-in]	Green	DN-T8
Push-in Connection								
DN-2J2Y	100	$47.50	2	600	25	–	Orange	DN-T12-A, DN-EMX, DN-Q12-A, DN-QD12-A, DN-QEMX, DN-QKBD12-A
DN-2J2YMN	25	$14.50	2	600	25		Orange	
DN-3J2Y	100	$68.00	3	600	25		Orange	
DN-3J2YMN	25	$20.00	3	600	25		Orange	
DN-24J2Y	5	$31.00	24	600	25		Orange	
DN-2J4Y	100	$50.50	2	600	25		Yellow	DN-T10-A, DN-D10-A, DN-M10-A, DN-Q10-A
DN-2J4YMN	25	$16.00	2	600	25		Yellow	
DN-3J4Y	100	$81.00	3	600	25		Yellow	
DN-3J4YMN	25	$24.00	3	600	25		Yellow	
DN-24J4Y	5	$32.50	24	600	25		Yellow	
DN-2JL14-A	100	$74.00	2	300	20		Red	DN-TL-A
DN-2JL14-AMN	25	$16.50	2	300	20		Red	
DN-2JL14B-A	100	$74.00	2	300	20		Blue	
DN-2JL14B-AMN	25	$16.50	2	300	20		Blue	
DN-3JL14-A	100	$109.00	3	300	20		Red	
DN-3JL14-AMN	25	$25.50	3	300	20		Red	
DN-3JL14B-A	100	$109.00	3	300	20		Blue	
DN-3JL14B-AMN	25	$25.50	3	300	20		Blue	
DN-12JL14-A	10	$29.00	12	300	20		Red	
DN-12JL14B-A	10	$29.00	12	300	20		Blue	
DN-12JFE	10	$66.00	12	300	25		Blue	DN-FE4
DN-2J6Y	100	$66.00	2	600	30		Green	DN-Q8-A
DN-2J6YMN	25	$16.50	2	600	30		Green	
DN-3J6Y	100	$92.00	3	600	30		Green	DN-Q8-A
DN-3J6YMN	25	$26.00	3	600	30		Green	
DN-12J6Y	10	$39.00	12	600	30		Green	DN-Q8-A

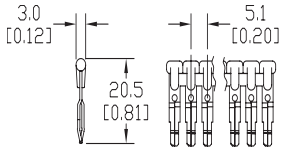
Dimensions

mm [inches]

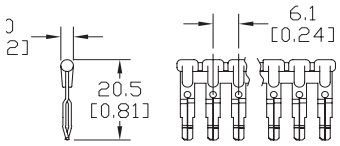
DN-24J8



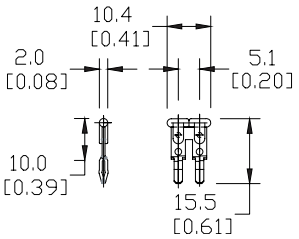
DN-xJ2Y / DN-xJ2YMN



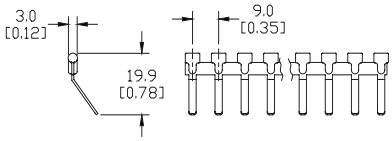
DN-xJ4Y / DN-xJ4YMN



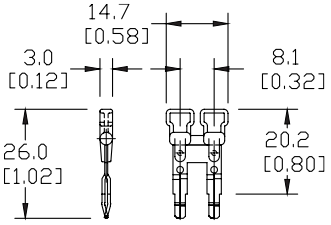
DN-xJL14 / DN-xJL14x-AMN, DN-xJ14x-A



DN-12JFE



DN-xJ6Y / DN-xJ6YMN



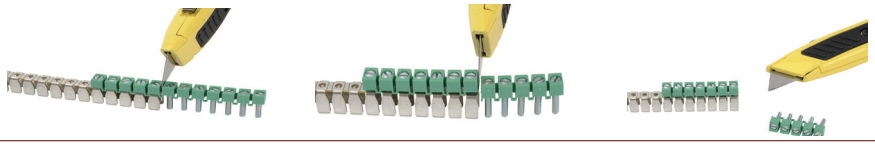
DINnectors Accessories

Modifying a DN-24J8 jumper bar to the required number of poles

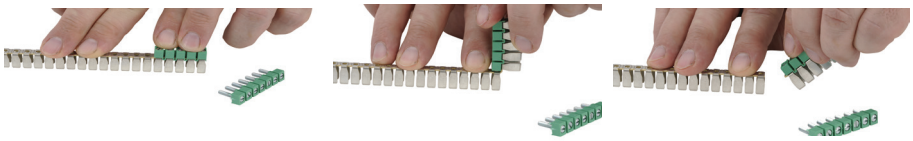
1) Place the insulating part into the jumper bar and insert screws, based on number of poles required. (For instance, in the following example, 5 poles are required). Click into place.



2) Using a cutting tool, cut the insulating part at the edge of the jumper bar (see below).



3) Hold the metal jumper bar and insulating jumper with two hands, placing fingers to the left and right of the pole you wish to cut, repeatedly flexing up and down (1 or 2 times should be sufficient) until the jumper bar and insulating jumper break in two.



4) Remove the small remaining piece of jumper (see below). This is important to ensure appropriate insulation distance in the case of contiguously applied jumpers in sequence. This step also facilitates the placement of a separator terminal if the bridge is positioned as the last terminal of a group.



5) The jumpers now are ready to be screwed onto DN-T8 series terminal blocks.



Jumper Cutting Tools

Jumper cutting tools maintain protective covering.

Jumper Cutting Tools			
Part Number	*Description*	*Qty*	*Price*
DN-J2CUT	DIN*nector* jumper cutting tool, for use with DN-2J2Y, DN-3J2Y and DN-24J2Y jumpers.	1	$87.00
DN-J4CUT	DIN*nector* jumper cutting tool, for use with DN-2J4Y, DN-3J4Y and DN-24J4Y jumpers.	1	$87.00
DN-J6CUT	DIN*nector* jumper cutting tool, for use with DN-12J6Y jumpers.	1	$130.00
DN-JL14CUT	DIN*nector* jumper cutting tool, for use with DN-12JL14-A and DN-12JL14B-A jumpers.	1	$123.00
DN-JXCUT	DIN*nector* jumper cutting tool, for use with DN-J2DIE, DN-J4DIE, DN-J6DIE, DN-JL14DIE and DN-JFEDIE dies.	1	$84.00
DN-JFECUT	DIN*nector* jumper cutting tool, for use with DN-12JFE jumpers.	1	$101.00
DN-JKIT	DIN*nector* cutting tool kit for DN series jumpers. Includes (1) DN-JXCUT cutting tool, (5) dies (DN-J2DIE, DN-J4DIE, DN-J6DIE, DN-JL14DIE, and DN-JFEDIE).	1	$344.00
DN-TOOL2	DIN*nector* tool kit, for use with DN series terminal blocks, includes (1) spring opening tool for DN-Q series screwless terminal blocks and (1) jumper removal tool for J2, J4, J6, and JL14 jumpers.	1	$12.50

Replacement Dies		
Part Number	*Description*	*Price*
DN-J2DIE	DIN*nector* die set, replacement. Package of 2. For use with jumper cutting tools DN-J2CUT or DN-JXCUT.	$130.00
DN-J4DIE	DIN*nector* die set, replacement. Package of 2. For use with jumper cutting tools DN-J4CUT or DN-JXCUT.	$130.00
DN-JFEDIE	DIN*nector* die set, replacement. Package of 2. For use with jumper cutting tools DN-JFECUT or DN-JXCUT.	$101.00
DN-J6DIE	DIN*nector* die set, replacement. Package of 2. For use with jumper cutting tools DN-J6CUT or DN-JXCUT.	$130.00
DN-JL14DIE	DIN*nector* die set, replacement. Package of 2. For use with jumper cutting tools DN-JL14CUT or DN-JXCUT.	$130.00



DN-J2CUT



DN-J4CUT



DN-JKIT



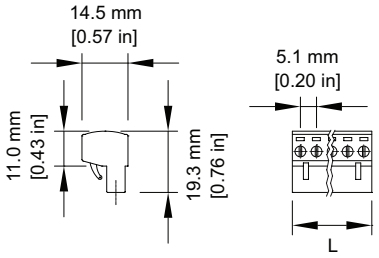
DN-TOOL2

DINnectors Accessories

Terminal Plugs



DN-xxPLUG / DN-xxPLUGMN



Accessories – Terminal Plugs							
Plugs* Part Number	Qty	Price	Plugs* Part Number	Qty	Price	Number of Poles	Length mm [in]
DN-2PLUG	200	$127.00	DN-2PLUGMN	10	$8.00	2	10.2 [0.40]
DN-3PLUG	200	$195.00	DN-3PLUGMN	10	$12.50	3	15.2 [0.60]
DN-4PLUG	100	$130.00	DN-4PLUGMN	10	$16.00	4	20.3 [0.80]
DN-5PLUG	100	$150.00	DN-5PLUGMN	10	$20.00	5	25.4 [1.00]
DN-6PLUG	100	$194.00	DN-6PLUGMN	10	$20.00	6	30.5 [1.20]
DN-7PLUG	50	$101.00	DN-7PLUGMN	5	$16.00	7	35.6 [1.40]
DN-8PLUG	50	$129.00	DN-8PLUGMN	5	$16.00	8	40.6 [1.60]
DN-9PLUG	50	$141.00	DN-9PLUGMN	5	$16.50	9	45.7 [1.80]
DN-10PLUG	50	$150.00	DN-10PLUGMN	5	$18.50	10	50.8 [2.00]
DN-11PLUG	50	$177.00	DN-11PLUGMN	5	$21.50	11	55.9 [2.20]
DN-12PLUG	50	$194.00	DN-12PLUGMN	5	$22.00	12	61.0 [2.40]

Terminal Plugs Ratings	
Voltage/Current	300V, 12A
Wire Gauge	14–22 AWG, CU only
Torque	Tightening Torque: 0.51 N·m [4.5 lb·in]
Usage Temperature	Ambient air temperature: -20 to 105°C [-4 to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]
Agency Approvals	UL file #: E179129

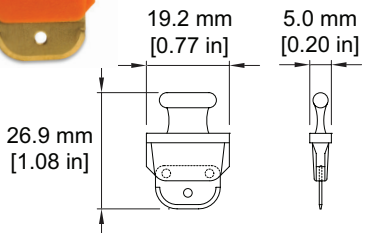
Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

*** DN-xxPLUGs fit all DN-EMXxx & DN-QEMXxx plug-in terminal blocks**

Disconnect Blade

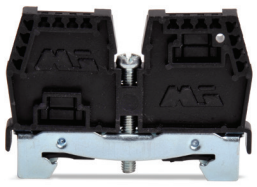


DN-DIS-BLADE
DN-DIS-BMN



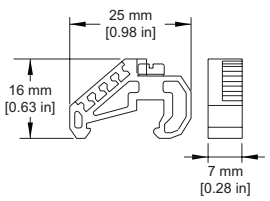
Disconnect Blade			
Part Number	Description	Qty	Price
DN-DIS-BLADE	Terminal block disconnect blade for DN-FE2, DN-FE4, DN-DIS2 and DN-DIS4	50	$39.50
DN-DIS-BMN		10	$10.50

End Brackets

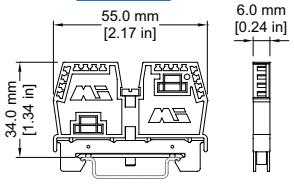


End Brackets		
Part Number	Description	Price
DN-EB15	DINnector snap-on end bracket, 7mm wide. Package of 100. For use with 15mm DIN rail.	$119.00
DN-EB15MN	DINnector snap-on end bracket, 7mm wide. Package of 20. For use with 15mm DIN rail.	$28.00
DN-EB35	DINnector screw-down end bracket, 9mm wide. Package of 50. For use with 35mm DIN rail.	$74.00
DN-EB35MN	DINnector screw-down end bracket, 9mm wide. Package of 20. For use with 35mm DIN rail.	$34.50
DN-EB35-A	DINnector screw-down end bracket, 6mm wide. Package of 50. For use with 35mm DIN rail.	$52.50
DN-EB35-A-10	DINnector screw-down end bracket, 6mm wide. Package of 10. For use with 35mm DIN rail.	$13.00
DN-QEB35	DINnector snap-on end bracket, 6mm wide. Package of 50. For use with 35mm DIN rail.	$47.00
DN-QEB35-10	DINnector snap-on end bracket, 6mm wide. Package of 10. For use with 35mm DIN rail.	$12.50

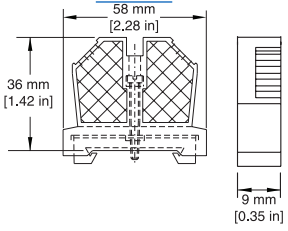
DN-EB15



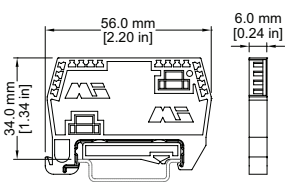
DN-EB35-A



DN-EB35



DN-QEB35



For more information on accessories, see the "DINnectors Accessories" section of this section.

DINnectors Accessories

End Covers

Certain end covers can be used with multiple terminal block parts to cover and insulate the open side, or to put more space between adjacent blocks.

DINnectors End Covers

Part Number	Description	Price
DN-EC1210	DINnector terminal block end cover, gray. Package of 100. For use with DN-T12 or DN-T10 series terminal blocks.	$47.50
DN-EC1210MN	DINnector terminal block end cover, gray. Package of 25. For use with DN-T12 or DN-T10 series terminal blocks.	$16.00
DN-EC86	DINnector terminal block end cover, gray. Package of 100. For use with DN-T8 or DN-T6 series terminal blocks.	$51.50
DN-EC86MN	DINnector terminal block end cover, gray. Package of 25. For use with DN-T8 or DN-T6 series terminal blocks.	$16.00
DN-EC4	DINnector terminal block end cover, gray. Package of 50. For use with DN-T4 series terminal blocks.	$32.50
DN-EC4MN	DINnector terminal block end cover, gray. Package of 10. For use with DN-T4 series terminal blocks.	$6.50
DN-EC1/0	DINnector terminal block end cover, gray. Package of 50. For use with DN-T1/0 series terminal blocks.	$37.00
DN-EC1/0MN	DINnector terminal block end cover, gray. Package of 10. For use with DN-T1/0 series terminal blocks.	$9.00
DN-DEC10	DINnector terminal block end cover, gray. Package of 50. For use with DN-D10-A series terminal blocks.	$34.50
DN-DEC10MN	DINnector terminal block end cover, gray. Package of 10. For use with DN-D10-A series terminal blocks.	$6.50
DN-EC14	DINnector terminal block end cover, gray. Package of 25. For use with DN-TL14 series terminal blocks.	$20.00
DN-EC14S	DINnector terminal block end cover, gray. Package of 25. For use with DN-TL14S series terminal blocks.	$16.50
DN-ECM10	DINnector terminal block end cover, gray. Package of 100. For use with DN-M10-A series terminal blocks.	$47.50
DN-ECM10MN	DINnector terminal block end cover, gray. Package of 25. For use with DN-M10-A series terminal blocks.	$16.00
DN-ECKBD	DINnector terminal block end cover, gray. Package of 100. For use with DN-KBD12 series terminal blocks.	$47.50
DN-ECKBDMN	DINnector terminal block end cover, gray. Package of 10. For use with DN-KBD12 series terminal blocks.	$6.50
DN-EMXM1EC1	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXM1 series terminal block leftside.	$16.50
DN-EMXM1EC2	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXM1 series terminal block rightside.	$16.50
DN-EMXDVEC1	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXDV series terminal block leftside.	$16.50
DN-EMXDVEC2	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXDV series terminal block rightside.	$16.50
DN-FESEP	DINnector terminal block end cover, gray. Package of 50. For use with DN-FE and DN-DIS series terminal blocks.	$29.00
DN-FESEP-10	DINnector terminal block end cover, gray. Package of 10. For use with DN-FE and DN-DIS series terminal blocks.	$6.00
DN-QEC12	DINnector terminal block end cover, gray. Package of 50. For use with DN-Q12-A or DN-QG12 series terminal blocks.	$23.50
DN-QEC12MN	DINnector terminal block end cover, gray. Package of 10. For use with DN-Q12-A or DN-QG12 series terminal blocks.	$6.00
DN-QEC10	DINnector terminal block end cover, gray. Package of 50. For use with DN-Q10-A or DN-QG10 series terminal blocks.	$23.50
DN-QEC10MN	DINnector terminal block end cover, gray. Package of 10. For use with DN-Q10-A or DN-QG10 series terminal blocks.	$6.00
DN-QEC8	DINnector terminal block end cover, gray. Package of 50. For use with DN-Q8-A or DN-QG8 series terminal blocks.	$28.00
DN-QEC8MN	DINnector terminal block end cover, gray. Package of 10. For use with DN-Q8-A or DN-QG8 series terminal blocks.	$6.50
DN-QEC12-1-2	DINnector terminal block end cover, gray. Package of 25. For use with DN-Q12-1-2-A series terminal blocks.	$16.50
DN-QEC12-2-2	DINnector terminal block end cover, gray. Package of 25. For use with DN-Q12-2-2-A series terminal blocks.	$18.00
DN-QDEC12	DINnector terminal block end cover, gray. Package of 25. For use with DN-QD12 series terminal blocks.	$18.00

Spacers

Spacers are used to put more space between adjacent blocks.

DINnectors Spacers

Part Number	Description	Qty	Price
DN-S1210	Spacer for DN-T12-A and DN-T10-A series terminal blocks	100	$56.00
DN-S1210MN		25	$17.50
DN-S86	Spacer for DN-T8 and DN-T6 series terminal blocks	100	$67.00
DN-S86MN		25	$15.50
DN-EMXM1SPA1	Spacer for DN-EMXM1 and DN-QEMXM1 single-level plug-in terminal blocks	25	$14.50
DN-EMXDVSPA1	Spacer for DN-EMXDV and DN-QEMXDV double-level plug-in terminal blocks	25	$16.00
DN-FESPA	Spacer for DN-FE sockets and DN-DIS disconnects	50	$29.00
DN-FESPA-10		10	$6.00

Top Covers

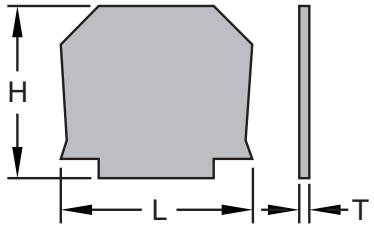
DINnectors Top Covers

Part Number	Description	For Use With	Qty	Price
DN-C12	Top cover, clear, printed electrical symbol.	DN-T12-A	100	$68.00
DN-C12MN			25	$15.50
DN-C10	Top cover, clear, printed electrical symbol.	DN-T10-A	100	$68.00
DN-C10MN			25	$15.50
DN-C86	Top cover, clear, printed electrical symbol.	DN-T8 DN-T6	100	$68.00
DN-C86MN			25	$15.50
DN-DC10	Top cover, clear, printed electrical symbol.	DN-D10	100	$66.00
DN-DC10MN			25	$15.50
DN-MC10	Top cover, clear, printed electrical symbol.	DN-M10	100	$70.00
DN-MC10MN			25	$15.50

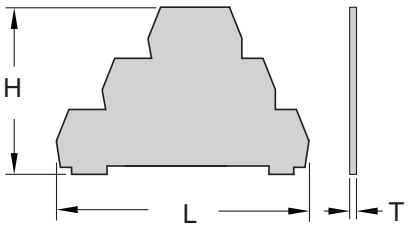
DINnectors® Accessories

DIN*nector* End Covers and Spacers Dimensions				
Part Number		*Length mm[in]*	*Height mm [in]*	*Thickness mm [in]*
DN-EC1210	DN-EC1210MN	44 [1.73]	35 [1.38]	1.5 [0.06]
DN-S1210	DN-S1210MN	55 [2.17]	44 [1.73]	
DN-EC86	DN-EC86MN	50 [1.97]	43 [1.69]	
DN-S86	DN-S86MN	55 [2.17]	49 [1.93]	
DN-EC4	DN-EC4MN	56 [2.21]	48 [1.89]	
DN-EC1/0	DN-EC1/0MN	62 [2.44]	60 [2.36]	
DN-DEC10	DN-DEC10MN	72 [2.80]	49 [1.93]	
DN-EC14	–	78 [3.08]	55 [2.17]	
DN-EC14S	–	55 [2.17]	50 [1.97]	
DN-ECM10	DN-ECM10MN	32 [1.26]	27 [1.06]	
DN-ECKBD	DN-ECKBDMN	52 [2.05]	34.5 [1.36]	
DN-EMXM1EC1	DN-EMXM1EC2	as shown on next page		
DN-EMXDVEC1	DN-EMXDVEC2			
DN-EMXDVSPA1	DN-EMXM1SPA1			
DN-FESPA	DN-FESPA-10			
DN-FESEP	DN-FESEP-10			
DN-QEC12	DN-QEC12MN	50 [1.97]	23 [0.9]	1.5 [0.06]
DN-QEC10	DN-QEC10MN	57.4 [2.26]	33.6 [1.32]	
DN-QEC8	DN-QEC8MN	63 [2.48]	38.5 [1.52]	
DN-QEC12-1-2	–	68.5 [2.70]	28.5 [1.12]	
DN-QEC12-2-2	–	87.5 [3.44]	28.5 [1.12]	
DN-QDEC12	–	98 [3.86]	37 [1.46]	

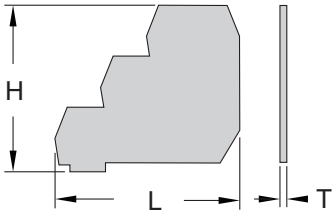
DN-EC1210 (MN) DN-EC86 (MN), DN-EC4 (MN), DN-EC1/0 (MN), DN-ECKBD (MN), DN-S1210 (MN), DN-S86 (MN)



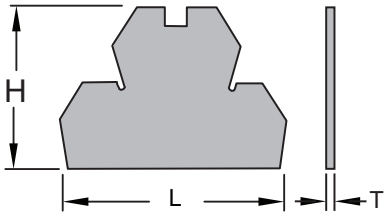
DN-EC14



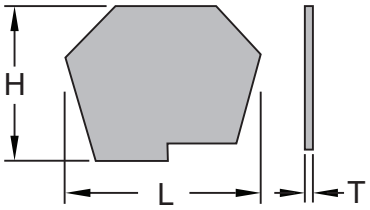
DN-EC14S



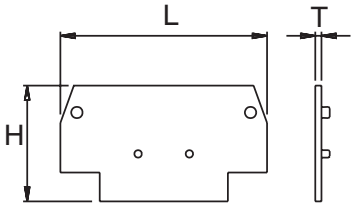
DN-DEC10 / DN-DEC10MN



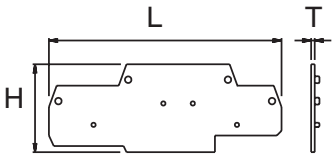
DN-ECM10
DN-ECM10MN



DN-QEC12 (MN), DN-QEC10 (MN)
DN-QEC8 (MN),
DN-QEC12-1-2, DN-QEC12-2-2

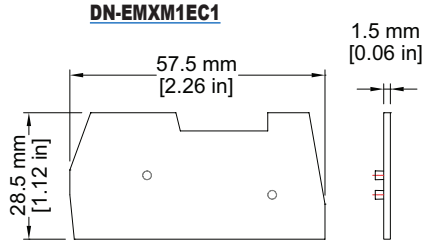


DN-QDEC12

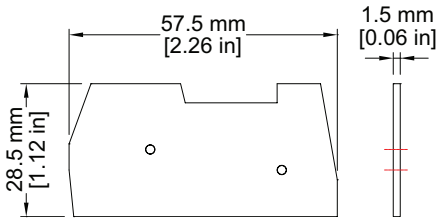


Dimensional Drawings

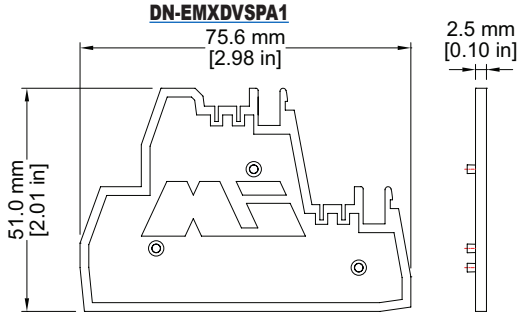
DN-EMXM1EC1



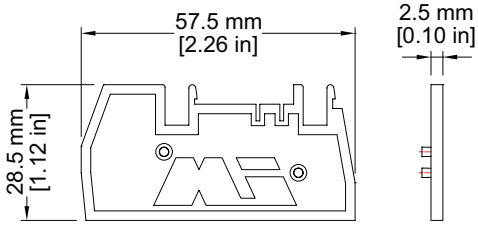
DN-EMXM1EC2



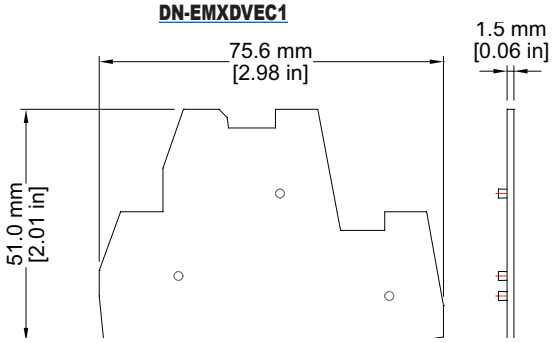
DN-EMXDVSPA1



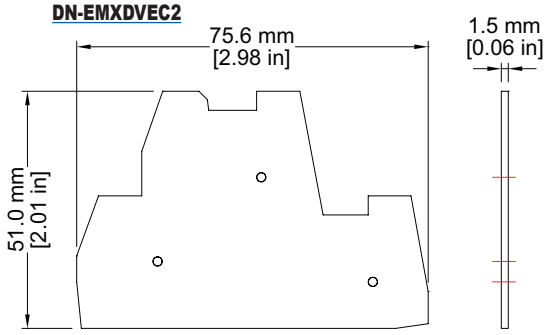
DN-EMXM1SPA1



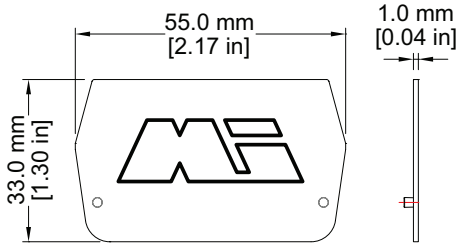
DN-EMXDVEC1



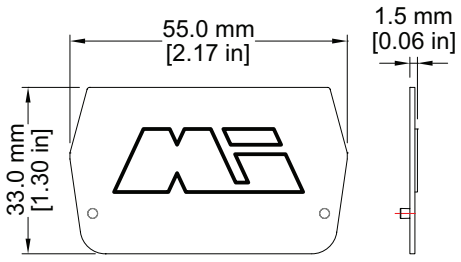
DN-EMXDVEC2



DN-FESEP, DN-FESEP-10



DN-FESPA, DN-FESPA-10



Marking Tags Cross Reference Charts - Screw-type

DIN*nector* Marking Tags Cross Reference - Screw-type					
Block Type	***DN-L***	***DN-LA***	***DN-LT***	***DN-LAT***	***DN-EMLBL***
DN-T12	–	X	X	–	–
DN-T10	X	–	X	–	–
DN-T8	X	–	X	–	–
DN-T6	X	–	X	–	–
DN-T4	X	–	X	–	–
DN-T1/0	X	–	X	–	–
DN-T3/0	X	–	X	–	–
DN-D10	X	–	X	–	–
DN-D10X	X	–	X	–	–
DN-D10LED	X	–	X	–	–
DN-D10DR	X	–	X	–	–
DN-TL14	–	–	–	X	–
DN-THERM	X	–	X	–	–
DN-EMXM1	–	X	X	–	X
DN-EMXDV	–	X	X	–	X
DN-M10	–	–	X	–	–
DN-MG10	–	–	X	–	–
DN-G10	X	–	X	–	–
DN-G8	X	–	X	–	–
DN-G6	X	–	X	–	–
DN-G4	X	–	X	–	–
DN-G1/0	X	–	X	–	–
DN-F6	X	–	X	–	–
DN-F10	X	–	X	–	–
DN-DIS2	–	X	X	–	–
DN-DIS4	X	–	X	–	–
DN-FE2	–	X	X	–	–
DN-FE4	X	–	X	–	–
DN-DIS10	X	–	X	–	–
DN-KBD12	–	X	X	–	–

Continued on next page

Marking Tags Cross Reference Charts - Screwless

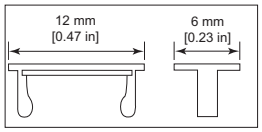
DIN*nector* Marking Tags Cross Reference - Screwless				
Block Type	***DN-QL***	***DN-LA***	***DN-LT***	***DN-EMLBL***
DN-Q12	X	–	–	–
DN-Q10	X	–	–	–
DN-Q8	X	–	–	–
DN-QD12	X	–	–	–
DN-Q12-1-2	X	–	–	–
DN-Q12-1-2L	X	–	–	–
DN-Q12-1-2D	X	–	–	–
DN-QKBD	X	–	–	–
DN-Q12-2-2	X	–	–	–
DN-Q12-2-2L	X	–	–	–
DN-Q12-2-2D	X	–	–	–
DN-QEMXM1	–	X	X	X
DN-QEMXDV	–	X	X	X
DN-QG12	X	–	–	–
DN-QG10	X	–	–	–
DN-QG8	X	–	–	–
DN-QG12-1-2	X	–	–	–
DN-QG12-2-2	X	–	–	–

DINnectors® Accessories

Marking Tags

Marking Tags DN-L Series			
Part Number	**Marking Sequence**	**Qty**	**Price**
DN-L50	1-50	500	$61.50
DN-L100	51-100	500	$61.50
DN-L150	101-150	500	$61.50
DN-L200	151-200	500	$61.50
DN-L250	201-250	500	$61.50
DN-L300	251-300	500	$61.50
DN-L350	301-350	500	$61.50
DN-L400	351-400	500	$61.50
DN-L450	401-450	500	$61.50
DN-LB	Blank	500	$42.00
DN-LS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	$61.50

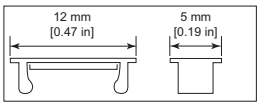
Dimensions



- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fit all DIN*nectors* 6mm wide and wider.
- There will be a gap between tags on blocks wider than 6mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LA Series			
Part Number	**Marking Sequence**	**Qty**	**Price**
DN-LA100	1-100	500	$61.50
DN-LA200	101-200	500	$61.50
DN-LA300	201-300	500	$61.50
DN-LA400	301-400	500	$61.50
DN-LAB	Blank Tags	500	$61.50
DN-LAS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	$61.50

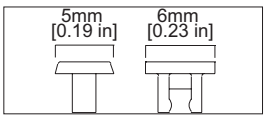
Dimensions



- The marking sequence of 100 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LA tags fit all DIN*nectors* 5mm wide and wider. There will be a gap between tags on blocks wider than 5mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LAT Series			
Part Number	**Marking Sequence**	**Qty**	**Price**
DN-LAT100-A	1-100	500	$54.00
DN-LAT200-A	101-200	500	$54.00
DN-LAT300-A	201-300	500	$54.00
DN-LAT400-A	301-400	500	$54.00
DN-LAT500-A	401-500	500	$54.00
DN-LAT600-A	501-600	500	$54.00
DN-LATB-A	Blank Tags	500	$39.00
DN-LATS-A	L1, L2, L3, L, N, +,-, COM,COM*	500	$54.00

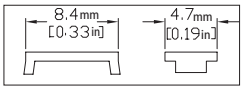
Dimensions



- The marking sequence of 500 tags (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-QL Series			
Part Number	**Marking Sequence**	**Qty**	**Price**
DN-QL100	1-100	500	$47.00
DN-QL200	101-200	500	$47.00
DN-QL300	201-300	500	$47.00
DN-QL400	301.400	500	$47.00
DN-QL500	401-500	500	$47.00
DN-QLB	Blank Tags	500	$39.50
DN-QLS	L1, L2, L3, L, N, +,-, COM,COM*	500	$54.00

Dimensions

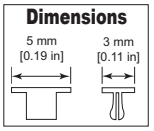


- The marking sequence of 500 (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

DINnectors Accessories

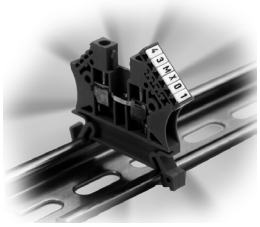
Marking Tags continued

Marking Tags DN-LT Series			
Part Number	Marking Sequence	Qty	Price
DN-LT15	1-5	100	$11.00
DN-LT60	6-0	100	$11.00
DN-LT1	1	100	$11.00
DN-LT2	2	100	$11.00
DN-LT3	3	100	$11.00
DN-LT4	4	100	$11.00
DN-LT5	5	100	$11.00
DN-LT6	6	100	$11.00
DN-LT7	7	100	$11.00
DN-LT8	8	100	$11.00
DN-LT9	9	100	$11.00
DN-LT0	0	100	$11.00
DN-LTBLNK	Unprinted	100	$11.00
DN-LTA	A	100	$11.00
DN-LTB	B	100	$11.00
DN-LTC	C	100	$11.00
DN-LTD	D	100	$11.00
DN-LTE	E	100	$11.00
DN-LTF	F	100	$11.00
DN-LTG	G	100	$11.00
DN-LTH	H	100	$11.00
DN-LTI	I	100	$11.00
DN-LTJ	J	100	$11.00
DN-LTK	K	100	$11.00
DN-LTL	L	100	$11.00
DN-LTM	M	100	$11.00
DN-LTN	N	100	$11.00
–	–	–	–
DN-LTP	P	100	$11.00
DN-LTQ	Q	100	$11.00
DN-LTR	R	100	$11.00
DN-LTS	S	100	$11.00
DN-LTT	T	100	$11.00
DN-LTU	U	100	$11.00
DN-LTV	V	100	$11.00
DN-LTW	W	100	$11.00
DN-LTX	X	100	$11.00
DN-LTY	Y	100	$11.00
DN-LTZ	Z	100	$11.00
DN-LTGND	⏚	100	$11.00
DN-LTPOS	+	100	$11.00
DN-LTNEG	-	100	$11.00
DN-LTAC	~	100	$11.00
DN-LTDC	=	100	$11.00

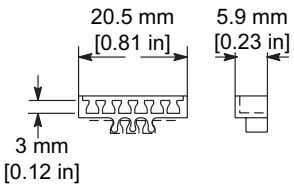


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DIN*nectors* support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

DN-MTA marking tag adapter



DN-MTA dimensions



Part Number	Description	Qty	Price
DN-MTA	Marking tag adapter holds up to six DN-LT tags	50	$16.00

Note: DN-MTA adapter does not fit DN-T12-A terminal blocks.

DINnectors® Accessories

Terminal Marking Accessories



DN-EMLBL1



DN-EMLBL2



DN-EMLBL3

Part Number	Description	For Use With	Qty	Price
DN-EMLBL1	Blank labels	DN-EMPEG1 pin protectors for DN-xEMXxx plug-in terminal blocks	100	$10.00
DN-EMLBL2	Labels printed 1 – 12		100	$14.50
DN-EMLBL3	Labels printed 13 – 24		100	$14.50

Marking Pen – for terminal and wire marking tags

- Permanent
- Smudge-proof
- Waterproof
- Weatherproof
- Lightfast (won't fade)
- Dries in seconds (excellent for left-handed users)
- Dry-safe (pen can be left uncapped for days without drying out)
- Low odor ink

Part Number	Description	Qty	Price
DN-MP	Staedtler-Mars marking pen, for use with blank marking tags. Permanent Ink, fine tip.	1	$4.50



Marking pen

Wire Marking Accessories



DN-WMTAG1 wire tags & DN-WM-x wire tag holders

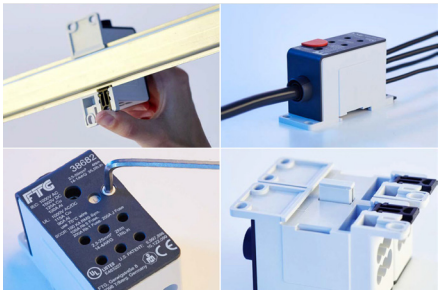
Part Number	Description	For Use With	Qty	Price
DN-WMTAG1	Wire tag – blank	all DN-WM-x wire tag holders	525	$66.00
DN-WM-1	Wire tag holder, clear, 12mm length, 0.051–0.118 in diameter; for 22–16 AWG wire	DN-WMTAG1	200	$14.00
DN-WM-2	Wire tag holder, clear, 12mm length, 0.098–0.196 in diameter; for 16-11 AWG wire		200	$14.00
DN-WM-3	Wire tag holder, clear, 12mm length, 0.157–0.393 in diameter; for 13–5 AWG wire		100	$9.00
DN-WM-4	Wire tag holder, clear, 12mm length, 0.314–0.629 in diameter; for 5AWG wire		100	$8.50

FTG Enclosed Finger-Safe Power Distribution Blocks

FTG single pole compact power distribution blocks offer many innovative refinements including selectable phase identification, color marking plates, simple and secure DIN mounting clips, incoming cable safety slide, and connection clips for multipole applications.

Features

- Adjustable dial allows for selection of L1-L2-L3 phase designation
- Red, green, and blue colored marking plates included with part numbers ending in "C"
- Simple and secure DIN rail locking clip allows easy mounting on DIN rail
- Panel mounting option
- Incoming cable safety slide assures IP20 protection with all conductor sizes
- Connection clip included with each PDB for multipole applications
- Suitable for aluminum or copper conductors rated 75°C [167°F]
- IEC 60947-7-1
- Listed to UL 1953 file QPQS-E483207
- 2014/35/EU (Low Voltage Directive)
- 2011/65/EU Annex II 2015/863/EU



UL LISTED

CE

FTG Enclosed Finger-Safe Power Distribution Blocks Selection Guide

Part Number	Price	Amps	Voltage	Wire Type	Poles	Line Side		Load Side		PDB Block Material	Housing Color	Mounting	Drawing
						Openings	Wire Size	Openings	Wire Size (AWG)				
38680C	$21.00	85A	IEC: 1000VAC 1500VDC UL: 1000 VAC/VDC	Cu or Al	1	1	3 to 14 AWG	6	8 to 14	Tin-plated aluminum	Llight gray, dark gray	Panel or 35mm DIN rail	PDF
38682C	$25.50	115A			1	1	1 to 14 AWG	6	4 to 14				PDF
38684C	$31.00	175A			1	1	2/0 to 14 AWG	4	2 to 14				PDF
38686C	$46.00	255A			1	1	250 kcmil to 2 AWG	6	2 to 14				PDF
38688C	$54.00	380A			1	1	500 kcmil to 2/0 AWG	6	2 to 14				PDF



38680C



38684C



38688C

Short Circuit Current Rating

These power distribution blocks have been investigated for high short circuit current ratings according to IEC/UL. They have a 100kA, 600VAC SCCR rating with specific overcurrent protection devices.

Part Number	38680	38682	38684	38686	38688
Fuse Class & Amp Rating	RK5 100A RK1 100A J 100A	RK5 100A RK1 100A J 200A	RK5 200A RK1 200A J 200A	RK5 200A RK1 400A J 400A	RK5 200A RK1 400A J 450A

Connection Cross Section

Part Number	Single- / Multi-wire	With Sleeve / Ferrule	Rated Current
38680C	1 x 2.5 - 25mm² (14 - 3 AWG) 6 x 2.5 - 10mm² (14 - 8 AWG)	1 x 2.5 - 25mm² (14 - 3 AWG) 6 x 1.5 - 6mm² (14 - 10 AWG)	IEC: 80A Cu, 63A Al UL: 85A Cu, 65A Al
38682C	1 x 2.5 - 50mm² (14 - 1 AWG) 6 x 2.5 - 25mm² (14 - 4 AWG)	1 x 2.5 - 35mm² (14 - 2 AWG) 6 x 2.5 - 16mm² (14 - 6 AWG)	IEC: 125A Cu, 100A Al UL: 115A Cu, 90A Al
38684C	1 x 2.5 - 70mm² (14 - 2/0 AWG) 4 x 2.5 - 25mm² (14 - 4 AWG)	1 x 2.5 - 50mm² (14 - 1/0 AWG) 4 x 2.5 - 16mm² (14 - 6 AWG)	IEC: 175A Cu, 135A Al UL: 175A Cu, 135A Al
38686C	1 x 35 - 120mm² (2 - 250 kcmil) 6 x 2.5 - 35mm² (14 - 2 AWG)	1 x 35 - 95mm² (2 - 4/0 AWG) 6 x 2.5 - 25mm² (14 - 4 AWG)	IEC: 250A Cu, 200A Al UL: 255A Cu, 205A Al
38688C	1 x 70 - 240mm² (2/0 - 500 kcmil) 6 x 2.5 - 35mm² (14 - 2 AWG)	1 x 70 - 185mm² (2/0 - 400 kcmil) 6 x 2.5 - 25mm² (14 - 4 AWG)	IEC: 415A Cu, 360A Al UL: 380A Cu, 310A Al

FTG Enclosed Finger-Safe Terminal Blocks

FTG enclosed terminal blocks feature finger-safe construction and are suitable for use with aluminum or copper wires for maximum safety and flexibility. DIN rail or surface mounting makes installation fast and easy.

Features

- Suitable for copper or aluminum conductors
- 10kA SCCR; 600VAC/DC
- Plated aluminum construction
- Finger-safe construction per IP20
- DIN rail or surface mounting
- Hex screw input and output connections
- UL1059 recognized file # E98082
- 2014/35/EU (Low Voltage Directive)
- 2011/65/EU Annex II 2015/863/EU

FTG Enclosed Finger-Safe Terminal Blocks Selection Guide

Part Number	Price	Amps	Number of Poles	Line Side		Load Side		Mounting	Terminal Block Material	Drawing
				Openings	Wire Size	Openings	Wire Size			
38049AL	$15.50	80	1	3	4 to 14 AWG	4	10 to 14 AWG	Panel or 35mm DIN rail	Brass, PA66-V0, steel	PDF
38641	$18.00	115	1	1	2 to 8 AWG	6	4 to 14 AWG		Aluminum, PA66-V0, steel	PDF
				1	4 to 14 AWG					
38676	$20.50	115	1	1	2 to 8 AWG	10	4 to 14 AWG			PDF
38675	$49.50	115	3	1	2 to 8 AWG	6	4 to 14 AWG			PDF
38674	$25.50	175	1	1	2/0 to 8 AWG	10	4 to 14 AWG			PDF
38673	$49.50	175	3	1	2/0 to 8 AWG	6	4 to 14 AWG			PDF
38620	$41.50	225	1	1	250 kcmil to 2 AWG	2	2 to 14 AWG			PDF
						5	6 to 14 AWG			
						4	8 to 14 AWG			
38019AL	$49.50	310	1	1	350 kcmil to 3/0 AWG	2	2 to 14 AWG		Brass, PA66-V0, steel	PDF
						5	6 to 14 AWG			
						4	8 to 14 AWG			
38057	$53.00	355	1	1	400 kcmil to 6 AWG	1	400 kcmil to 6 AWG			PDF
38059	$90.00	840	1	2	600 kcmil to 4 AWG	2	600 kcmil to 4 AWG		Aluminum, PA66-V0, steel	PDF



38049AL



38620

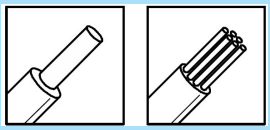
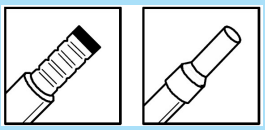


38059

FTG Enclosed Finger-Safe Terminal Blocks

Amphenol CONNECTING VISIONS FTG

38049AL and 38019AL Conductor Cross Sections and Tightening Torque

Part Number	Connections	Solid / Multi-stranded	Stranded With Sleeve	Torque (N•m [lb•in])
				
38049AL	3 x Ø 7mm	2.5 mm^2 - 25mm^2 14 AWG - 4 AWG	2.5 mm^2 - 16mm^2 14 AWG - 6 AWG	1.5 [13.5]
	4 x Ø 4.5 mm	2.5 mm^2 - 6mm^2 14 AWG - 10 AWG		0.8 [7.2]
38019AL	1 x Ø 20mm	95mm^2 - 185mm^2 3/0 AWG - 350 kcmil	95mm^2 - 150mm^2 3/0 AWG - 300 kcmil	26 [230]
	2 x Ø 9mm	2.5 mm^2 - 35mm^2 14 AWG - 2 AWG	2.5 mm^2 - 25mm^2 14 AWG - 4 AWG	3.5 [31]
	5 x Ø 6.8 mm	2.5 mm^2 - 16mm^2 14 AWG - 6 AWG		1.5 [13.5]
	4 x Ø 6.2 mm	2.5 mm^2 - 10mm^2 14 AWG - 8 AWG		2 [18]

Edison Power Distribution Blocks



Short-Circuit Current Rated Power Distribution Blocks

We offer distinctly different styles of short-circuit current rated Power Distribution Blocks and Terminal Blocks to match different application needs.

- Enclosed style or Open style
- UL1953 Listed power distribution blocks or UL1059 Recognized terminal blocks, that have different minimum spacing requirements.

The table below can assist in the selection of the correct series for your application requirements.

Why are these important?
Assembly short-circuit current ratings (SCCRs) are now required in the 2005 NEC® and UL508A Listed industrial control panels.

Marking the SCCR on:

- Industrial Control Panels (NEC® 409.110)
- Industrial Machinery Electrical Panels (NEC® 670.3(A))
- HVAC equipment (NEC® 440.4(B)

The above sections are now required by the National Electrical Code. Power Distribution Blocks or Terminal Blocks not marked with an SCCR are typically one of the weakest links and may limit an assembly to no more than 10 kA SCCR per Table SB4.1 UL508A. The EPDB series and HPB series Power Distribution Blocks have increased spacing required where used in feeder circuits in equipment listed to UL508A. The PB series UL1059 Terminal Blocks must be evaluated for proper spacing. Also, for building wiring systems, the EPDB series and HPB series power distribution blocks can be used to meet the 2005 NEC® requirements in section 376.56(B) for power distribution blocks in wireways.

Edison Power Distribution Blocks Selection Guide*

Series	*UL*	*† Enclosed*	*High SCCR***	*Spacing**** *1" Air 2" Surface*	*Industrial Control Panels UL 508A Branch Circuit*	*Industrial Control Panels UL 508A Feeder Circuit*	*HVAC UL 1995*	*Wireways NEC® 376.56(B) (Requires UL 1953)*
EPDB	UL 1953 Listed Power Distribution Blocks	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPB	UL 1953 Listed Power Distribution Blocks	No****	Yes	Yes	Yes	Yes	Yes	Yes (with optional cover)
PB	UL 1059 Recognized Terminal Blocks	No****	Yes	No*****	Yes	No*****	Yes	No

† IP-20 finger-safe under specific conditions.
***Refer to specific UL standards and NEC sections for a complete application guide.**
****When protected by proper fuse class with maximum ampere rating specified or smaller.**
This does not apply to PB40, PB51 and PB71 series.
*****See Minimum Space Requirements for Equipment table below.**
******Optional covers are available. They are not IP-20 rated, but do provide additional protection against direct contact with Live Parts.**
*******Exception: Yes, if single pole units installed with proper spacings.**

Minimum Space Requirements for Equipment

UL Standard	*Spacing Between Live Parts of Opposite Polarity*		*Spacing Between Live Parts and Grounded Parts or Enclosures, Through Air and Over Surface @ 600V*
	Through Air @ 600V	*Over Surface @ 600V*	
508A Feeder Circuits, Table 10.2	1"	2"	1"
508A Branch Circuits, Table 10.1	3/8"	1/2"	1/2"
UL 1995 HVAC	3/8"	1/2"	1/2"

Note: Refer to specific UL standards for complete spacing details.

EPDB Series Edison Finger-Safe Power Distribution Blocks

Finger-safe distribution blocks

Use Finger-safe Power Distribution Blocks to manage your power distribution needs, from splitting primary power circuits into a variety of branch circuits to providing a fixed junction tap-off point. The modular design allows the end user to select and configure the number of poles required by each application. These blocks are engineered to allow copper and aluminium conductors and maintain an SCCR rating of 200kA. These features make these blocks the perfect solution to today's power circuit wiring requirements.

Features

- Fully enclosed block for touch-safe isolation of live parts
- IP20 rating under specific conditions
- Integrated DIN-rail or direct panel mounting. (Panel mount only for EPDB306 and EPDB702)
- Captive termination screws cannot be lost
- Used in UL508A panels for both feeder and branch circuit applications
- Suitable for both factory and field wiring
- Tin-plated aluminum connectors suitable for copper and aluminum conductors

Ratings

- Ampere ratings from 175 Amps to 760
- 600 VAC or VDC
- Short Circuit Current Rating (SCCR) 200kA with proper fusing
- Flammability: UL 94V0

Agency Approvals

- UL 1953 Listed - File E256146, Guide QPQS
- CSA Certified - Class 6228-01, File 700490
- CE component IEC 60947-7-1
- IEC-60529, IP20 (Finger-Safe) See table for specific conditions.

Finger-safe Power Distribution Blocks Selection Table

Series	Part Number	Amps	Description	SCCR Rtg	Qty	Weight	Price	Drawing Link
Finger-safe (EPDB)	EPDB101	175 max	1 pole distribution block, 1 in/1 out	200 kA	1	3.4 oz.	$23.50	PDF
	EPDB104	175 max	1 pole distribution block, 1 in/4 out	200 kA	1	4.2 oz.	$35.00	PDF
	EPDB301	310 max	1 pole distribution block, 1 in/1 out	200 kA	1	8.1 oz.	$55.00	PDF
	EPDB306	380 max	1 pole distribution block, 1 in/6 out	200 kA	1	9.1 oz.	$81.00	PDF
	EPDB512	570 max	1 pole distribution block, 2 in/12 out	200 kA	1	12.5 oz.	$90.00	PDF
	EPDB702	760 max	1 pole distribution block, 2 in/2 out	200 kA	1	16.4 oz.	$146.00	PDF
Accessory	DN-EB35*	–	End bracket	–	50	1.87 lb.	$74.00	N/A

***Note: DIN-rail anchors are required on block or blocks. Anchors must be used to prevent damage to the plastic housing when tightening terminals.**



Finger-safe Power Distribution Block General Specifications

Wire Type	75°C*, Cu/Al
Voltage	600 VAC or VDC maximum (UL 1953), 690 VAC/VDC (IEC)
Operating Temperature	-10°C to 60°C [14°F to 140°F]
Storage Temperature	-20°C to 60°C [-4°F to 140°F]
Mounting	35mm DIN rail (DN-R35S1) or surface mount.

***Note: Amp Rating is based on NEC table 310.16 for 75°C wire.**

Wire Connector Hole Diameter

Part Number	Line in [mm]	Load in [mm]
EPDB101	0.450 [11.43]	0.450 [11.43]
EPDB104	0.450 [11.43]	0.246 [6.25]
EPDB301	0.720 [18.29]	0.720 [18.29]
EPDB306	0.870 [22.10]	0.314 [7.98]
EPDB512	0.687 [17.45]	0.265 [6.73]
EPDB702	0.875 [22.23]	0.875 [22.23]

Part Number	Minimum Enclosure Size in[mm]*
EPDB101	16 x 16 x 6.75 [406.4 x 406.4 x 171.45]
EPDB104	16 x 16 x 6.75 [406.4 x 406.4 x 171.45]
EPDB301	36 x 30 x 12.63 [914.4 x 762 x 320.80
EPDB306	24 x 20 x 6.75 [609.6 x 508 x 171.45]
EPDB512	24 x 20 x 6.75 [609.6 x 508 x 171.45]
EPDB702	36 x 30 x 12.63 [914.4 x 762 x 320.80]

***Note: Terminal block SCCR determined based on testing in minimum-size enclosure**

EPDB Series Edison Finger-Safe Power Distribution Blocks Specifications

Edison Finger-Safe Power Distribution Blocks Wire and Torque Range Specifications

Part Number	Line				Load			
	CU/Al (unless otherwise noted) Wire Range	Torque Lb-in [Nm]	Trim Length in [mm]	Hex Key	CU/Al (unless otherwise noted) Wire Range*	Torque Lb-in [Nm]	Trim Length in [mm]	Hex Key
EPDB101	2/0 to 8 AWG, 70 to 10 mm²	110 [12.4]	0.850 [21.6]	3/16"	2/0 to 8 AWG, 70 to 10 mm²	110 [12.4]	0.970 [24.6]	3/16"
EPDB104	2/0 to 8 AWG, 70 to 10 mm²	120 [13.6]	0.750 [19.0]	3/16"	4 to 12 AWG, 25 to 16 mm²	35 [4.0]	0.550 [14.0] top row, 0.850 [21.6] bottom row	1/8"
					8 AWG, 10 mm²	25 [2.8]		
	10 to 14 AWG, Cu				10 to 14 AWG, 6 to 2.5 mm² 4 to 8 AWG, Al	20 [2.3] 35 [4.0]		
EPDB301	350 kcmil to 6 AWG, 185 to 16 mm²	275 [31.1]	1.350 [34.3]	5/16"	350 Kcmil to 6 AWG, 185 to 16 mm²	275 [31.1]	1.250 [31.8]	5/16"
EPDB306	500 kcmil to 6 AWG, 240 to 16 mm²	500 [56.5]	1.250 [31.8]	3/8"	2 to 3 AWG, 35 mm²	50 [5.7]	0.590 [15.0] top row 1.200 [30.5] bottom row	1/8"
					4 to 6 AWG, 25 to 16 mm²	45 [5.1]		
					8 AWG, 10 mm²	40 [4.5]		
					10 to 14 AWG, 6 to 2.5 mm² 2 to 12 AWG, Al	35 [4.0] 50 [5.7]		
EPDB512	300 kcmil to 4 AWG, 150 to 25mm²	275 [31.1]	1.15 [29.2] top row 1.400 [35.6] bottom row	1/4"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	0.550 [14.0] top row, 1.00 [25.4] middle row, 1.220 [31.0] bottom row	1/8"
					8 AWG, 10 mm²	25 [2.8]		
					10 to 14 AWG, 6 to 2.5 mm² 4 to 12 AWG, Al	20 [2.3] 35 [4.0]		
EPDB702	500 kcmil to 6 AWG, 240 to 16 mm²	500 [56.5]	1.250 [31.8]	3/8"	500 kcmil to 6 AWG, 240 to 16 mm²	500 [56.5]	1.250 [31.8]	3/8"

*** Wire Range shown is divided based on torque rating. The full range capability spans smallest to largest listed.**

Short-Circuit Current Rating Data

		Line		Load		Maximum Fuse Class and Amps***				
Part Number (All Single Pole)	Capacity*	Openings per Pole	CU/Al (unless otherwise noted) Wire Range)	Openings per Pole	CU/Al (unless otherwise noted) Wire Range	Class J(JDL)	Class T (A3T/A6T)	Class RK1 (LENRK/LESRK)	Class RK5 (ECNR/ECSR)	SCCR Rating
EPDB101	175A	1	2/0 to 8 AWG 70 to 10 mm²	1	2/0 to 8 AWG 70 to 10 mm²	200	200	100	60	200kA
EPDB104	175A	1	2/0 to 14 AWG, Cu 2/0 to 8 AWG, Al	4	4 to 12 AWG, Cu	200	200	100	60	200kA
					4 to 14 AWG, Cu	175	175	100	30	100kA
						200	200	100	60	50kA
EPDB301	310A	1	350 kcmil to 6 AWG 185 to 16 mm²	1	350 kcmil to 6 AWG 150 to 16 mm²	400	400	200	100	200kA
EPDB306	380A	1	500 kcmil to 6 AWG 240 to 16 mm²	6	2 to 6 AWG, Cu	400	400	200	100	200kA
					2 to 14 AWG, Cu	200	200	100	60	50kA
						175	175	100	30	100kA
EPDB512	570A	2	300 kcmil 150 mm²	12	4 to 8 AWG Cu	600	600	400	200	200kA
			300 kcmil to 4 AWG 150 to 12 mm²		4 AWG, Cu	600	400	200	100	50kA
					4 to 14 AWG, Cu	200	200	100	30	50kA
EPDB702	760A	2	500 kcmil 240 mm²	2	500 kcmil 240 mm²	600	600**	400	200	200kA
						600	800**	600	200	100kA
			500 kcmil to 6 AWG 240 to 16 mm²		500 kcmil to 6 AWG 240 to 16 mm²	600	600	400	200	100kA

***Amp ratings are based on NEC® Table 310.16 for 75°C wire and UL508A Table 28.1.**
****Class L 800A or less fuses are suitable for this particular SCCR case.**
*****Class G 60A or less, or Class CC 30A or less fuses are suitable for all SCCRs in this table.**

EPDB Series Edison Finger-Safe Power Distribution Blocks IP-20 Finger-safe Status Requirements

Specific Conditions to Achieve IP-20 Finger-Safe Status for EPDB Series								
	Line				Load			
			IP-20				IP-20	
Part Number	Trim Length in [mm]	Installed Wire	Conductor Openings	Screw Opening	Trim Length in [mm]	Installed Wire	Conductor Openings	Screw Opening
EPDB101	0.850 [21.6]	2/0 to 8 AWG 70 to 10mm²	Yes	Yes	0.970 [24.6]	2/0 to 8 AWG 70 to 10mm²	Yes	Yes
EPDB104	0.750 [19.0]	2/0 to 8 AWG 70 to 10mm²	Yes	Yes	0.550 [14.0] top row, 0.850 [21.6] bottom row	4 to 14 AWG 25 to 2.5mm²	Yes	Yes
						screws fully opened	N/A	Yes
						no wire in hole	No	N/A
EPDB301	1.350 [34.3]	350 Kcmil to 2/0 AWG 185 to 70mm²	Yes	Yes	1.250 [31.8]	350 Kcmil to 2/0 AWG 185 to 70mm²	Yes	Yes
		1/0 to 6 AWG 50 to 16mm²	No	Yes		1/0 to 6 AWG 50 to16mm²	No	Yes
EPDB306	1.250 [31.8]	500 to 250 Kcmil 240 to 150mm²	Yes	Yes	0.590 [15.0] top row, 1.200 [30.5] bottom row	2 to 14 AWG 35 to 2.5mm²	Yes	Yes
		4/0 to 6 AWG 120 to 16mm²	No	Yes		screws fully opened	N/A	Yes
		N/A	N/A	N/A		no wire in hole	No	N/A
EPDB512	1.15 [29.2] top row, 1.400 [35.6] bottom row	300 Kcmil to 4/0 AWG 150 to 120mm²	Yes	Yes	0.550 [14.0] top row 1.00 [25.4] middle row 1.220 [31.0] bottom row	4 to 14 AWG 25 to 2.5mm²	Yes	Yes
		3/0 to 4 AWG 95 to 25mm²	No	Yes				
		screws fully opened	N/A	No		screws fully opened	N/A	Yes
		no wire in hole	No	N/A		no wire in hole	Yes	N/A
EPDB702	1.250 [31.8]	500 to 350 Kcmil 240 to 185mm²	Yes	Yes	1.250 [31.8]	500 to 350 Kcmil 240 to 185mm²	Yes	Yes
		300 Kcmil to 6 AWG 150 to 16mm²	No	Yes		300 Kcmil to 6 AWG 150 to 16mm²	No	Yes
		screws fully opened	N/A	No		screws fully opened	N/A	No
		no wire in hole	No	N/A		no wire in hole	No	N/A

HPB Series Edison Open-Style Power Distribution Blocks

Open-style power distribution blocks for cable termination

Edison open-style power distribution blocks are a convenient way to manage your power distribution needs. They are engineered to maintain a high SCCR rating of 200kA with copper conductors making these distribution blocks the ideal solution to today's power circuit wiring needs.

Features

- Suitable for industrial control panel applications requiring high SCCR ratings
- Suitable for installation in wireways (with optional cover, per NEC 376.56 (B))
- Has minimum spacing requirements at 600VAC/DC of at least 1in (25.4 mm) through air and 2in (50.8 mm) over surface which meets UL 1953 requirements
- Used in UL508A panels
- Meets UL508A requirements and can be used in feeder and branch circuit applications
- Tin-plated aluminum connectors suitable for copper conductors
- Available safety covers for greater protection (purchase separately)
- Suitable for both factory and field wiring
- Panel mounting

Ratings

- Ampere ratings up to 310A
- 600VAC or VDC
- Short Circuit Current Rating (SCCR) up to 200kA with proper fusing See short circuit rating data table.
- Flammability: UL 94V0
- Temperature rating: -4 to 248°F (-20 to 120°C) with a relative humidity not exceeding 85%.

Agency Approvals

- UL Listed - File E333541 Guide QPQS
- CE

Standards

- UL1953

Open-Style Power Distribution Blocks Selection Table

Part Number	Amps	Description	SCCR Rtg	Qty	Weight [lb]	Price
HPB101-1	175 max	1 pole distribution block, 1 in/1 out	200kA	1	0.2	$26.50
HPB101-3	175 max	3 pole distribution block, 1 in/1 out	200kA	1	0.8	$73.00
HPB104-1	175 max	1 pole distribution block, 1 in/4 out	200kA	1	0.2	$35.50
HPB104-3	175 max	3 pole distribution block, 1 in/4 out	200kA	1	0.8	$99.00
HPB10S-3	175 max	3 pole distribution block, 1 in/stud out	200kA	1	1.0	$96.00
HPB106-1	175 max	1 pole distribution block, 1 in/6 out	200kA	1	1.4	$46.50
HPB106-2	175 max	2 pole distribution block, 1 in/6 out	200kA	1	0.2	$85.00
HPB106-3	175 max	3 pole distribution block, 1 in/6 out	200kA	1	0.8	$126.00
HPB306-1	310 max	1 pole distribution block, 1 in/6 out	200kA	1	0.7	$67.00
HPB306-3	310 max	3 pole distribution block, 1 in/6 out	200kA	1	2.9	$180.00
HPB309-1	310 max	1 pole distribution block, 1 in/9 out	200kA	1	0.8	$100.00
HPB309-3	310 max	3 pole distribution block, 1 in/9 out	200kA	1	3.0	$271.00
HPB312-1	310 max	1 pole distribution block, 1 in/12 out	200kA	1	0.8	$107.00
HPB312-3	310 max	3 pole distribution block, 1 in/12 out	200kA	1	3.2	$295.00



HPB104-1



HPB10S-3



HPB106-3



HPB309-1



HPB312-3

Open-Style Power Distribution Block General Specifications

Wire type	75°C* Copper
Voltage	600VAC or VDC maximum
Mounting	Surface mount

*Note: Amp rating based on NEC table 310.16 for 75°C copper wire.

Optional Covers

Covers are ordered for each individual pole, i.e., three 1-pole covers for 3-pole block (see Table A) except HPB106 blocks have one cover for 1-, 2-, or 3-pole versions (see Table B). Shipped with mounting screws.

Table A

Block	Cover
HPB1XX-(pole)	PBC21
HPB3XX-(pole)	PBC31

Table B

Block	Cover
HPB106-1	PBC31
HPB106-2	PBC32
HPB106-3	PBC33

HPB Series Edison Open-Style Power Distribution Blocks

Edison Open-Style Power Distribution Blocks Wire and Torque Range Specifications

Part Number	Line				Load			
	CU Wire Range	Torque Lb-in [Nm]	Trim Length in [mm]	Hex Key	CU Wire Range*	Torque Lb-in [Nm]	Trim Length in [mm]	Hex Key
HPB101-1, HPB101-3	2/0 to 8 AWG 70 to 10 mm²	110 [12.4]	0.700 [17.8]	3/16"	2/0 to 8 AWG, 70 to 10 mm²	110 [12.4]	0.700 [17.8]	3/16" Hex
HPB104-1, HPB104-3	2/0 to 8 AWG 70 to 10 mm²	120 [13.6]	0.670 [17.0]	3/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	0.470 [11.9] top row, 0.780 [19.8] bottom row	Slot
					8 AWG, 10 mm²	25 [2.8]		
					10 to 14 AWG, 6 to 2.5 mm²	20 [2.3]		
HPB10S-3	2/0 to 8 AWG 70 to 10 mm²	120 [13.6]	0.670 [17.0]	3/16"	N/A	50 [5.7]	N/A	1/4-20 Stud
HPB106-1, HPB106-2, HPB106-3	2/0 to 8 AWG 70 to 10 mm²	120 [13.6]	0.700 [17.8]	3/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	0.480 [12.2] top row, 0.800 [20.3] bottom row	Slot
					8 AWG, 10 mm²	25 [2.8]		
					10 to 14 AWG, 6 to 2.5 mm²	20 [2.3]		
HPB306-1, HPB306-3	350 kcmil to 4 AWG 185 to 25 mm²	275 [31.1]	0.900 [22.9]	5/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	1.00 [25.4] top row, 0.450 [11.43] bottom row	Slot
					8 AWG, 10 mm²	25 [2.8]		
					10 to 12 AWG, 6 to 4 mm²	20 [2.3]		
HPB309-1, HPB309-3	350 kcmil to 4 AWG 185 to 25 mm²	275 [31.1]	0.900 [22.9]	5/16"	2 to 3 AWG, 35 mm²	50 [5.7]	0.450 [11.4] top row, 0.630 [16.0] middle row, 0.920 [23.4] bottom row	Slot top row. Slot middle row. 3/16" Hex bottom row
					4 to 6 AWG, 25 to 16 mm²	45 [5.1]		
					8 AWG, 10 mm²	40 [4.5]		
					10 to 12 AWG, 6 to 4 mm²	35 [4.0]		
HPB312-1, HPB312-3	350 kcmil to 4 AWG 185 to 25 mm²	275 [31.1]	0.900 [22.9]	5/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	0.450 [11.4] top row, 0.630 [16.0] middle row, 0.920 [23.4] bottom row	Slot
					8 AWG, 10 mm²	25 [2.8]		
					10 to 14 AWG, 6 to 2.5 mm²	20 [2.3]		

*** Wire Range shown is divided based on torque rating. The full range capability spans smallest to largest listed.**

Short-Circuit Current Rating Data

		Line		Load		Maximum Fuse Class and Amps**				
Part Number (All Single Pole)	Capacity*	Openings per Pole	Wire Range (copper only)	Openings per Pole	Wire Range (copper only)	Class J(JDL)	Class T (A3T/A6T)	Class RK1 (LENRK/LESRK)	Class RK5 (ECNR/ECSR)	SCCR Rating
HPB101-1, HPB101-3	175 A	1	2/0 to 8 AWG 70 to 10 mm²	1	2/0 to 8 AWG 70 to 10 mm²	200	200	200	60	200kA
HPB104-1, HPB104-3	175 A	1	2/0 to 8 AWG 70 to 10 mm²	4	4 to 12 AWG 25 to 4 mm²	200	200	200	60	200kA
					14 AWG 2.5 mm²	175	175	100	60	100kA
						200	200	100	60	50kA
HPB10S-3	175 A	1	2/0 to 8 AWG 70 to 10 mm2	Stud	1/4-20 x 3/4 Stud	200	200	100	60	200kA
HPB106-1, HPB106-2, HPB106-3	175 A	1	2/0 to 8 AWG 70 to 10 mm²	6	4 to 12 AWG 25 to 4 mm²	400	400	200	100	200kA
						400	400	400	100	100kA
					14 AWG 2.5 mm2	175	175	100	60	100kA
HPB306-1, HPB306-3	310 A	1	350 kcmil to 4 AWG 185 to 12 mm²	6	4 to 8 AWG 25 to 10 mm²	400	400	200	100	200kA
						400	400	400	100	100kA
					10 to 12 AWG 6 to 4 mm²	175	175	100	60	100kA
HPB309-1, HPB309-3	310 A	1	350 kcmil to 4 AWG 185 to 12 mm²	9	1/0 to 6 AWG 50 to 16 mm²	400	400	200	100	200kA
						400	400	400	100	100kA
					8 to 12 AWG 10 to 4 mm²	175	175	100	60	100kA
HPB312-1, HPB312-3	310 A	1	350 kcmil to 4 AWG 185 to 12 mm²	12	4 to 8 AWG 25 to 10 mm²	400	400	200	100	200kA
					10 to 14 AWG 6 to 2.5 mm²	175	175	100	60	100kA

**Amp ratings are based on NEC® Table 310.16 for 75°C copper wire and UL508A Table 28.1.*

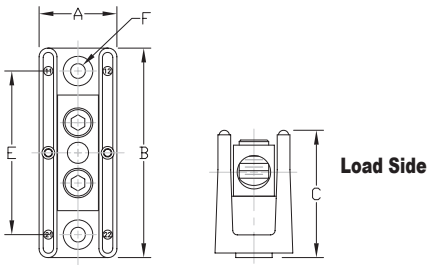
***Class G 60A or less, or Class CC 30A or less fuses are suitable for all SCCRs in this table.*

HPB Series Edison Open-Style Power Distribution Block Dimensions

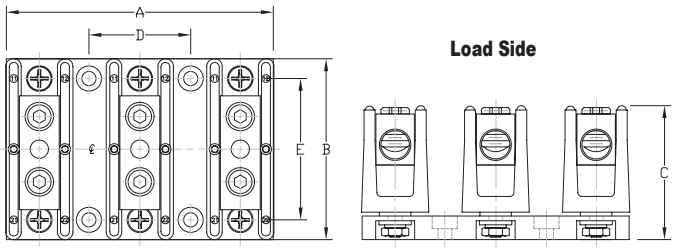
Edison Open-Style Power Distribution Blocks Dimensions						
Part Number	Width	Length	Height			
	A	B	C	D	E	F
HPB306-3, HPB312-3, HPB309-3	6.00 [152.4]	5.50 [139.7]	3.70 [93.9]	3.25 [82.6]	4.75 [120.7]	0.22 [5.7]
HPB306-1, HPB312-1, HPB309-1	1.96 [49.8]	3.38 [85.9]	3.32 [84.3]	-	3.38 [85.8]	0.21 [2.5] x 0.41 [10.4]
HPB101-3, HPB104-3, HPB10S-3	4.27 [108.3]	2.88 [73.2]	2.13 [54.0]	1.62 [41.1]	2.25 [57.2]	0.22 [5.7]
HPB101-1, HPB104-1	1.07 [27.2]	2.88 [73.2]	1.75 [44.5]	-	2.25 [57.2]	0.20 [5.1]
HPB106-1	1.96 [49.8]	4.00 [101.6]	3.32 [84.3]	-	3.37 [85.6]	0.21 [2.5] x 0.41 [10.4]
HPB106-2	3.58 [90.9]	4.00 [101.6]	3.32 [84.3]	1.62 [41.1]	3.37 [85.6]	0.21 [2.5] x 0.41 [10.4]
HPB106-3	5.20 [132.1]	4.00 [101.6]	3.32 [84.3]	1.62 [41.1]	3.37 [85.6]	0.21 [2.5] x 0.41 [10.4]

Note: Dimensions are in inches [millimeters]

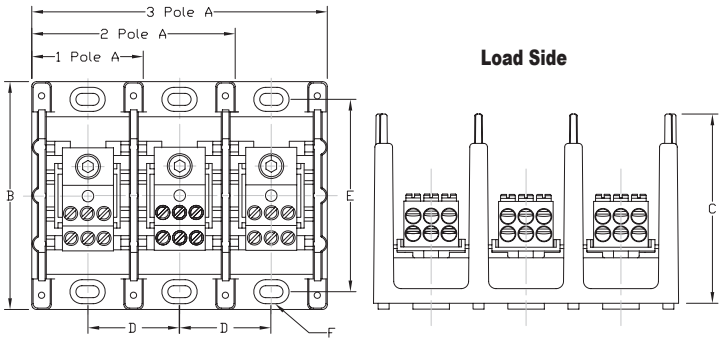
HPB101-1, HPB104-1



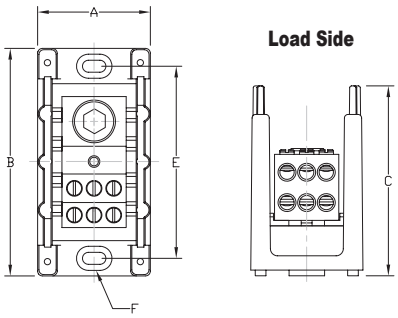
HPB101-3, HPB104-3, HPB10S-3



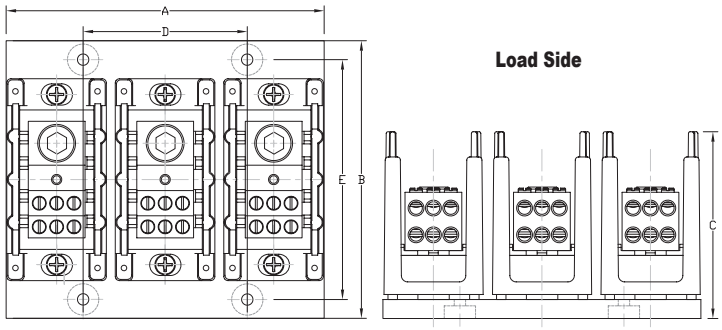
HPB106-1, HPB106-2, HPB106-3



HPB306-1, HPB312-1, HPB309-1



HPB306-3, HPB312-3, HPB309-3

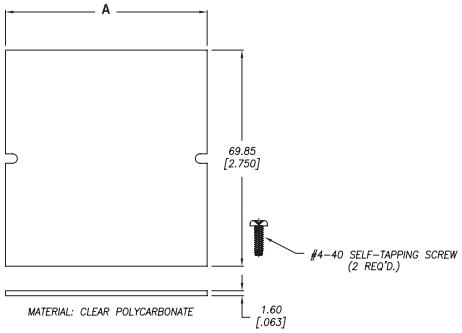


HPB Series Edison Open-Style Power Distribution Blocks Optional Covers

Covers

Optional Cover for
HPB101-1, HPB101-3,
HPB104-1, HPB104-3,
HPB10S-3

Note: One PBC21 will be required for each pole. For example the HPB101-1 will require 1 Qty. HPB101-3 will require 3 Qty.

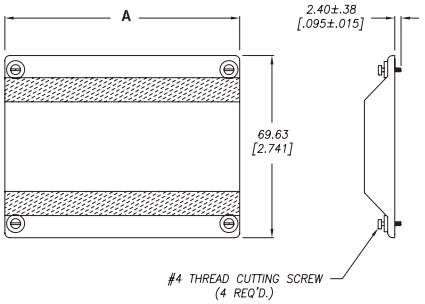


Part Number	A Dimension in[mm]
PBC21	0.94 [23.88]

Optional Cover for
HPB306-1, HPB306-3, HPB309-1,
HPB309-3, HPB312-1, HPB312-3

Note: One PBC31 will be required for each pole. For example the HPB306-1 will require Qty 1, and HPB306-3 will require Qty 3.

Optional Cover for
HPB106-1 = PBC31
HPB106-2 = PBC32
HPB106-3 = PBC33



Part Number	A Dimension in[mm]
PBC31	2.10 [53.34]
PBC32	3.72 [94.49]
PBC33	5.34 [135.64]

Part Number	Minimum Enclosure Size*
HPB101-1, HPB101-3	16" x 16" x 6.75" [406.4 x 406.4 x 171.5 mm]
HPB104-1, HPB104-3	16" x 16" x 6.75" [406.4 x 406.4 x 171.5 mm]
HPB10S-3	16" x 16" x 6.75" [406.4 x 406.4 x 171.5 mm]
HPB106-1, HPB106-2, HPB106-3	24" x 20" x 6.76" [609.6 x 508 x 171.5 mm]
HPB306-1, HPB306-3	24" x 20" x 6.76" [609.6 x 508 x 171.5 mm]
HPB309-1, HPB309-3	24" x 20" x 6.76" [609.6 x 508 x 171.5 mm]
HPB312-1, HPB312-3	24" x 20" x 6.76" [609.6 x 508 x 171.5 mm]

***Power distribution blocks SCCR determined based on testing in minimum size enclosure.**

PB Series Edison Open-Style Terminal Blocks

Open-style terminal blocks for cable termination

Edison Open-style terminal blocks are a convenient way to manage your power distribution needs. They are engineered to maintain an SCCR rating of 200kA with copper conductors and an SCCR of 10 kA for aluminium conductors, making these distribution blocks the ideal solution to today's power circuit wiring needs.

Features

- Used in UL508A panels for branch circuit applications
- Standard aluminum box connectors accommodate copper wire. PB401x, PB512x and PB712x series accommodate copper or aluminum wire.
- Tin-plated aluminum connectors suitable for copper conductors
- Available safety covers for greater protection (purchase separately)
- Suitable for both factory and field wiring

Ratings

- Ampere ratings up to 760 Amps
- 600 VAC or VDC
- Short Circuit Current Rating (SCCR) 200kA with proper fusing
- Flammability: UL 94V0

Agency Approvals

- UL 1059 recognized - File E62622 Guide XCFR2
- CSA Certified: Class 6228-01, File 700489
- CE

Open Type Power Distribution Blocks Selection Table

Part Number	Amps	Description	SCCR Rating	Qty	Weight [oz]	Price
PB1011	175 max	1 pole distribution block, 1 in/1 out	200 kA	1	2.8	$19.00
PB1012	175 max	2 pole distribution block, 1 in/1 out	200 kA	1	4.6	$27.50
PB1013	175 max	3 pole distribution block, 1 in/1 out	200 kA	1	6.8	$33.50
PB1041	175 max	1 pole distribution block, 1 in/4 out	200 kA	1	3.1	$28.00
PB1042	175 max	2 pole distribution block, 1 in/4 out	200 kA	1	5.2	$44.00
PB1043	175 max	3 pole distribution block, 1 in/4 out	200 kA	1	7.3	$53.00
PB3061	310 max	1 pole distribution block, 1 in/6 out	200 kA	1	10.9	$77.00
PB3062	310 max	2 pole distribution block, 1 in/6 out	200 kA	1	19.1	$91.00
PB3063	310 max	3 pole distribution block, 1 in/6 out	200 kA	1	25.5	$108.00
PB3121	310 max	1 pole distribution block, 1 in/12 out	200 kA	1	12.7	$68.00
PB3122	310 max	2 pole distribution block, 1 in/12 out	200 kA	1	21.6	$112.00
PB3123	310 max	3 pole distribution block, 1 in/12 out	200 kA	1	31.1	$156.00
PB4011	380 max	1 pole distribution block, 1 in/stud	10 kA	1	11.9	$54.00
PB4012	380 max	2 pole distribution block, 1 in/stud	10 kA	1	20.7	$86.00
PB4013	380 max	3 pole distribution block, 1 in/stud	10 kA	1	29.1	$121.00
PB5121	570 max	1 pole distribution block, 2 in/12 out	10 kA	1	13.8	$78.00
PB5122	570 max	2 pole distribution block, 2 in/12 out	10 kA	1	24.4	$125.00
PB5123	570 max	3 pole distribution block, 2 in/12 out	10 kA	1	34.7	$179.00
PB7121	760 max	1 pole distribution block, 2 in/12 out	10 kA	1	17.0	$133.00
PB7123	760 max	3 pole distribution block, 2 in/12 out	10 kA	1	44.0	$221.00



Safety Covers for Open Power Distribution Blocks Selection Table

Part Number	Description	Qty	Weight (oz)	Price
PBC21	Power distribution block cover for 175A open style 1-pole blocks	1	0.3	$4.25
PBC22	Power distribution block cover for 175A open style 2-pole blocks	1	0.4	$5.75
PBC23	Power distribution block cover for 175A open style 3-pole blocks	1	0.5	$7.00
PBC31	Power distribution block cover for 310A, 380A, 570A open style 1-pole blocks, and HPB106-1	1	0.9	$10.50
PBC32	Power distribution block cover for 310A, 380A, 570A open style 2-pole blocks, and HPB106-2	1	1.3	$13.50
PBC33	Power distribution block cover for 310A, 380A, 570A open style 3-pole blocks, and HPB106-3	1	1.6	$15.00
PBC71	Power distribution block cover for all 760A open style 1-pole and 3-pole blocks. 1 pole block requires 1 cover. 3-pole block requires 3 covers	1	0.9	$15.50



Open Style Power Distribution Block General Specifications

Wire type	75°C* Copper
Voltage	600 VAC or VDC maximum
Mounting	Surface mount

***Note: Amp Rating based on NEC table 310.16 for 75°C copper wire.**

PB Series Edison Open-Style Terminal Blocks Specifications

UL Series Wire and Torque Range Specifications

Part Number	Line				Load			
	CU Wire Range	Torque lb·in [N·m]	Trim Length in [mm]	Hex Key	CU Wire Range*	Torque lb·in [N·m]	Trim Length in [mm]	Hex Key, Slot, Stud
PB1011 PB1012 PB1013	2/0 to 8 AWG 70 to 10 mm²	110 [12.4]	0.70 [17.8]	3/16"	2/0 to 8 AWG 70 to 10 mm²	110 [12.4]	0.70 [17.8]	3/16" Hex
PB1041	2/0 to 8 AWG 70 to 10 mm²	120 [13.6]	0.670 [17.0]	3/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	0.470 [11.9] top row, 0.780 [19.8] bottom row	Slot
PB1042					8 AWG, 10 mm²	25 [2.8]		
PB1043					10 to 14 AWG, 6 to 2.5 mm²	20 [2.3]		
PB3061	350 kcmil to 4 AWG 185 to 25 mm²	275 [31.1]	0.90 [22.9]	5/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	1.00 [25.4] top row 0.45 [11.43] bottom row	Slot
PB3062					8 AWG, 10 mm²	25 [2.8]		
PB3063					10 to 12 AWG, 6 to 4 mm²	20 [2.3]		
PB3121	350 kcmil to 4 AWG 185 to 25 mm²	275 [31.1]	0.90 [22.9]	5/16"	4 to 6 AWG, 25 to 16 mm²	35 [4.0]	0.450 [11.4] top row, 0.630 [16.0] middle row, 0.920 [23.4] bottom row	Slot
PB3122					8 AWG, 10 mm²	25 [2.8]		
PB3123					10 to 14 AWG, 6 to 2.5 mm²	20 [2.3]		
PB4011 PB4012 PB4013	500 kcmil to 6 AWG 300 to 16 mm²	500 [56.5]	–	–	–	–	–	Stud
PB5121 PB5122 PB5123	300 kcmil to 4 AWG 185 to 25 mm²	275 [31.1]	–	–	4 to 14 AWG 25 mm² to 2.5 mm²	20 [2.3]	–	–
PB7121 PB7123	500 kcmil to 6 AWG 300 to 16 mm²	500 [56.5]	–	–	4 to 14 AWG 25 mm² to 2.5 mm²	35 [4.0]	–	–

*** Wire Range shown is divided based on torque rating. The full range capability spans smallest to largest listed.**

Short-Circuit Current Rating Data

			Line	Load	Configuration	Conductors		Maximum Fuse Class and Amp**				
Part Number	Number of Poles	Capacity*	Wire Range	Wire Range	Openings per Pole	Line AWG or kcmil	Load AWG or kcmil	Class J (JDL)	Class T (A3T/ A6T)	Class RK1 (LENRK/ LESRK)	Class RK5 (ECNR/ ECSR)	SCCR
PB1011	1	175A	2/0 to 8 AWG 70 to 10 mm²	2/0 to 8 AWG 70 to 10 mm²	1/1	2/0 to 8	2/0 to 8	200	200	200	60	200 kA
PB1012	2											
PB1013	3											
PB1041	1	175A	2/0 to 8 AWG 70 to 10 mm²	4 to 14 AWG 25 to 2.5 mm²	1/4	2/0 to 8	4 to 12	200	200	200	60	200 kA
PB1042	2						4 to 14	175	175	100	60	100 kA
PB1043	3							200	200	100	60	50 kA
PB3061	1	310A	350 kcmil to 4 AWG 185 to 25 mm²	4 to 12 AWG 25 to 4 mm²	1/6	350 to 4	4 to 8	400	400	200	100	200 kA
PB3062	2							400	400	400	100	100 kA
PB3063	3						4 to 12	175	175	100	60	100 kA
PB3121	1	310A	350 kcmil to 4 AWG 185 to 25 mm²	4 to 14 AWG 25 to 2.5 mm²	1/12	350 to 4	4 to 8	400	400	200	100	200 kA
PB3122	2						4 to 14	175	175	100	60	100 kA
PB3123	3							175	175	100	60	100 kA
PB4011	1	380A	500 kcmil to 6 AWG 240 to 16 mm²	One 3/8" - 16 x 1 stud	One 3/8" - 16 x 1 stud	500	One 3/8" - 16 x 1 stud	***	***	***	***	10 kA
PB4012	2					500 to 6		***	***	***	***	
PB4013	3							***	***	***	***	
PB5121	1	570A	300 kcmil to 4 AWG 150 to 25 mm²	4 to 14 AWG 25 to 2.5 mm²	2/12	300	4 to 14	***	***	***	***	10 kA
PB5122	2							***	***	***	***	
PB5123	3					300 to 4	4 to 14	***	***	***	***	
PB7121	1	760A	500 kcmil to 6 AWG 240 to 16 mm²	4 to 14 AWG 25 to 2.5 mm²	2/12	500 to 6	4 to 14	***	***	***	***	10 kA
PB7123	3							***	***	***	***	

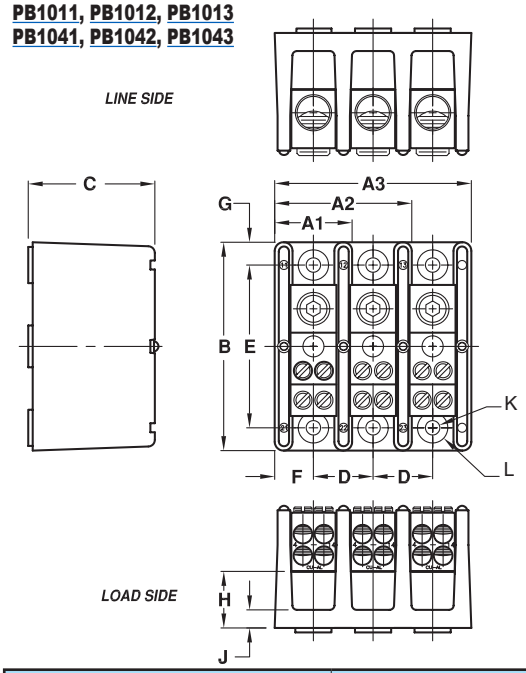
***Amp ratings are based on NEC® Table 310.16 for 75°C copper wire and UL508A Table 28.1**
****Class G 60A or less or Class CC 30A or less fuses are suitable for all SCCRs in this table.**
*****Not High SCCR rated. Refer to UL508A Table SB4.1.**

PB Series Edison Open-Style Terminal Blocks Dimensions

Edison Open-Style Power Distribution Blocks Dimensions													
Part Number	Width			Length	Height								
	A1	A2	A3	B	C	D	E	F	G	H	J	K	L
PB1011 PB1012 PB1013 PB1041 PB1042 PB1043	1.06 [26.92]	1.88 [47.75]	2.60 [66.04]	2.85 [72.39]	1.75 [44.45]	0.81 [20.57]	2.25 [57.15]	0.53 [13.46]	0.31 [7.87]	0.84 [21.34]	0.31 [7.87]	0.20 [5.08]	0.42 [10.67]
PB3061 PB3062 PB3063 PB3121 PB3122 PB3123 PB4011 PB4012 PB4013 PB5121 PB5122 PB5123	1.96 [49.78]	3.58 [90.93]	5.20 [132.08]	4.0 [101.60]	3.32 [84.33]	1.62 [41.15]	3.37 [85.60]	0.985 [25.02]	0.310 [7.87]	0.780 [19.81]	0.250 [6.35]	Slot 0.20 [5.08] (w) x 0.41 [10.41] (l)	Slot 0.42 [10.67] (w) x 0.62 [15.75] (l)

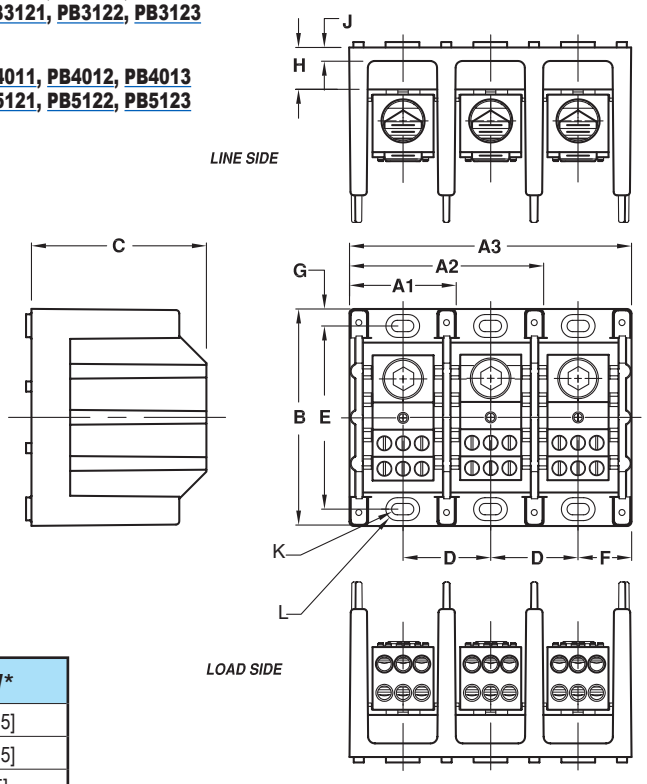
Note: Dimensions are in inches [millimeters]

PB1011, PB1012, PB1013
PB1041, PB1042, PB1043



PB3061, PB3062, PB3063
PB3121, PB3122, PB3123

PB4011, PB4012, PB4013
PB5121, PB5122, PB5123



Part Number	Minimum Enclosure Size in[mm]*
PB1011, PB1012, PB1013	16 x 16 x 6.75 [406.4 x 406.4 x 171.45]
PB1041, PB1042, PB1043	16 x 16 x 6.75 [406.4 x 406.4 x 171.45]
PB3061, PB3062, PB3063	24 x 20 x 6.75 [609.6 x 508 x 171.45]
PB3121, PB3122, PB3123	24 x 20 x 6.75 [609.6 x 508 x 171.45]
PB4011, PB4012, PB4013	N/A
PB5121, PB5122, PB5123	N/A
PB7121, PB7123	N/A

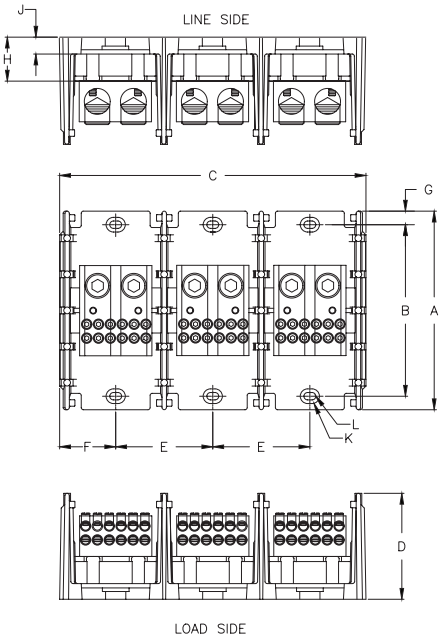
***Note: Terminal block SCCR determined based on testing in minimum-size enclosure**

PB Series Edison Open-Style Terminal Blocks Dimensions

Edison Open-Style Power Distribution Blocks Dimensions													
Part Number	Width	Length	Height										
	A	B	C1	C2	C3	D	E	F	G	H	J	K	L
PB7121 PB7123	5.5 [139.7]	4.75 [120.7]	3.10 [78.74]	5.79 [147.1]	8.48 [215.39]	2.93 [74.42]	2.69 [68.33]	1.55 [39.37]	0.38 [9.65]	1.19 [30.23]	0.44 [11.18]	Slot: 0.20 [5.08] (w) x 0.33 [8.38](l)	Slot: 0.41 [10.41](w) x 0.53 [13.46](l)

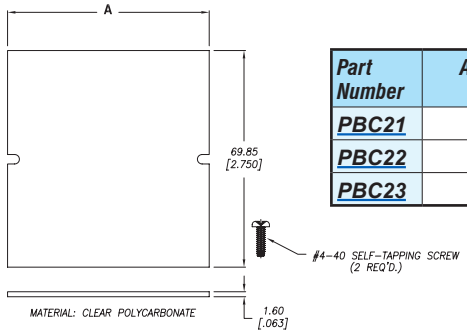
Note: Dimensions are in inches [millimeters]

PB7121, PB7123



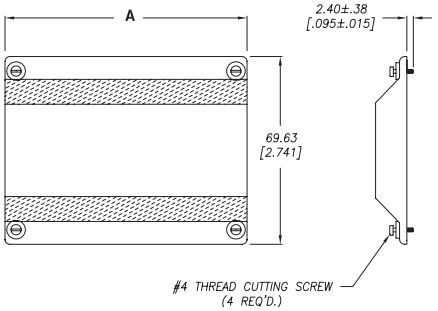
Covers

Optional Cover for
PB1011, PB1012, PB1013
PB1041, PB1042, PB1043



Part Number	A Dimension in[mm]
PBC21	0.94 [23.88]
PBC22	1.75 [44.45]
PBC23	2.56 [65.02]

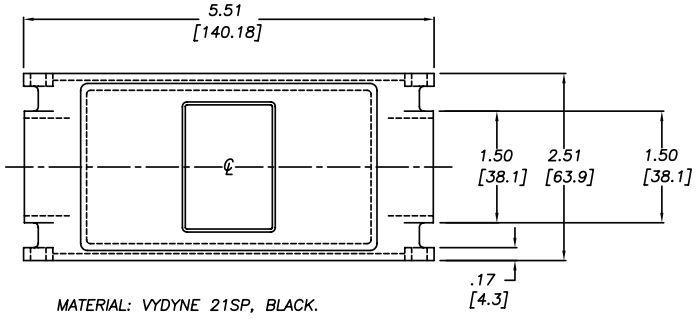
Optional Cover for
PB3061, PB3062, PB3063
PB3121, PB3122, PB3123

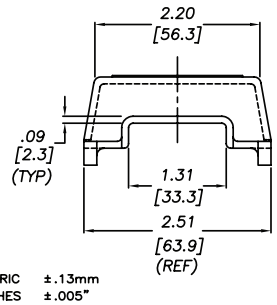


Part Number	A Dimension in[mm]
PBC31	2.10 [53.34]
PBC32	3.72 [94.49]
PBC33	5.34 [135.64]

PB4011, PB4012, PB4013
PB5121, PB5122, PB5123

PBC71
Optional Cover for
PB7121 and PB7123





Edison Open-Style Power Distribution Blocks Quick Reference

Edison Power Distribution Blocks Quick Reference						
Openings per pole	***Type***	***175 amps***	***310 amps***	***380 amps***	***570 amps***	***760 amps***
1 in 1 out	Open UL1059	PB101x	NO	NO	NO	NO
	Open UL1953 Listed	HPB101-x	HPB101-x	NO	NO	NO
	Finger Safe UL1953 Listed	EPDB101	EPDB301	NO	NO	NO
1 in 1 stud out	Open UL1059	NO	NO	PB401x	NO	NO
	Open UL1953 Listed	HPB10S-x	NO	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	NO
2 in 2 out	Open UL1059	NO	NO	NO	NO	NO
	Open UL1953 Listed	NO	NO	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	EPDB702
1 in 4 out	Open UL1059	PB104x	NO	NO	NO	NO
	Open UL1953 Listed	HPB104-x	HPB104-x	NO	NO	NO
	Finger Safe UL1953 Listed	EPDB104	NO	NO	NO	NO
1 in 6 out	Open UL1059	NO	PB306x	NO	NO	NO
	Open UL1953 Listed	HPB106-x	HPB306-x	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	EPDB306	NO	NO
1 in 9 out	Open UL1059	NO	NO	NO	NO	NO
	Open UL1953 Listed	NO	HPB309-x	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	NO
1 in 12 out	Open UL1059	NO	PB312x	NO	NO	NO
	Open UL1953 Listed	NO	HPB312-x	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	NO
2 in 12 out	Open UL1059	NO	NO	NO	PB512x	PB712x
	Open UL1953 Listed	NO	NO	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	EPDB512	NO

Penn Union Power Distribution Blocks and Splicer/Reducer Blocks

Features

- Snap lock modular design for easy multi-pole assembly
- Rugged glass-filled reinforced nylon 616 bases and side covers
- Corrosion resistant one-piece aluminum alloy bodies
- Clear flip-up polycarbonate covers (included) for easy visual inspection
- Line- and load-side guards (included) to prevent top/bottom contact
- Dual-rated for aluminum and copper conductors
- DIN rail or panel mounting
- Wide wire ranges allow easy in-line splicing or conductor size reduction
- 100kA UL assigned SCCR
- IP20 finger-safe protection rating

Ratings

- 600VAC/DC, 90°C AWG conductors
- Suitable for use on the line or load side of the service equipment
- Material temperature rating -40°F to 266°F [-40°C to 130°C]

Agency Approvals

- Compliant with IEC 60529 and IP-20 standards (requires covers)
- cULus listed AL9CU per UL 1953 for use with copper or aluminum conductors
- UL94V-0 listed
- UL file QPQS/QPQS7.E534364



APDB-14-2/0-1



APDB-212-500-1



ASRB-11-2/0-1



ASRB-22-2/0-1



APDB-CL

Penn Union Aluminum Power Distribution Blocks (Type APDB) Selection Table

Part Number	Price	Description	SCCR Rating (A)	Block Size	Weight (lb [kg])	Drawing
APDB-112-350-1	$44.50	Type APDB Single run with multiple taps	100,000	Large	1.1 [0.50]	PDF
APDB-14-2/0-1	$18.50			Small	0.15 [0.07]	PDF
APDB-14-500-1	$56.00			Large	1.2 [0.54]	PDF
APDB-16-500-1	$57.00			Large	1 [0.45]	PDF
APDB-212-500-1	$45.50	Type APDB Double run with multiple taps		Large	1.1 [0.50]	PDF
APDB-24-500-1	$49.50			Large	1.25 [0.57]	PDF
APDB-26-350-1	$50.00			Large	0.95 [0.43]	PDF

Penn Union Aluminum Splicer/Reducer Blocks (Type ASRB) Selection Table

Part Number	Price	Description	SCCR Rating (A)	Block Size	Weight (lb [kg])	Drawing
ASRB-11-2/0-1	$17.00	Type ASRB, single	100,000	Small	0.15 [0.07]	PDF
ASRB-11-350-1	$20.50			Medium	0.75 [0.34]	PDF
ASRB-11-500-1	$31.00			Medium	0.75 [0.34]	PDF
ASRB-22-2/0-1	$22.50	Type ASRB, double		Medium	0.75 [0.34]	PDF
ASRB-22-350-1	$38.50			Large	1.05 [0.48]	PDF
ASRB-22-500-1	$52.00			Large	1.05 [0.48]	PDF

Penn Union Aluminum Splicer/Reducer Blocks (Type APDB/ASRB) Clear Insulating Replacement Covers Selection Table

Part Number	Price	Description	Weight (lb [kg])	Drawing
APDB-CS	$9.00	Clear insulating replacement cover, small	0.09 [0.04]	PDF
APDB-CM	$9.50	Clear insulating replacement cover, medium	0.33 [0.15]	PDF
APDB-CL	$11.00	Clear insulating replacement cover, large	0.47 [0.21]	PDF

Note: IP 20 rated insulating cover

Gladiator GPB2 Terminal Blocks

Gladiator from AutomationDirect



GPB2-115P1-6L



GPB2-420P1-11F



GPB2-175P3-6L

Features

- Single-pole splitter allows splitting of power main input into several outputs
- Multiple-pole assembling thanks to the interlocking function on each block
- Pre-printed block markers (L1, L2, L3, N, PE, +, -) included
- Allows grouping of several inputs into one output (solar applications)
- Reversible snap-on cover opens in two directions and facilitates identification and wiring
- Space-saving design minimizes panel space requirements
- Fast assembly time
- Modular, touch-proof design eliminates need for bus bars, isolators, fasteners, and protection screens
- Accepts aluminum and copper conductors
- 8kV rated impulse voltage
- Copper wire temperature 75°C [167°F]

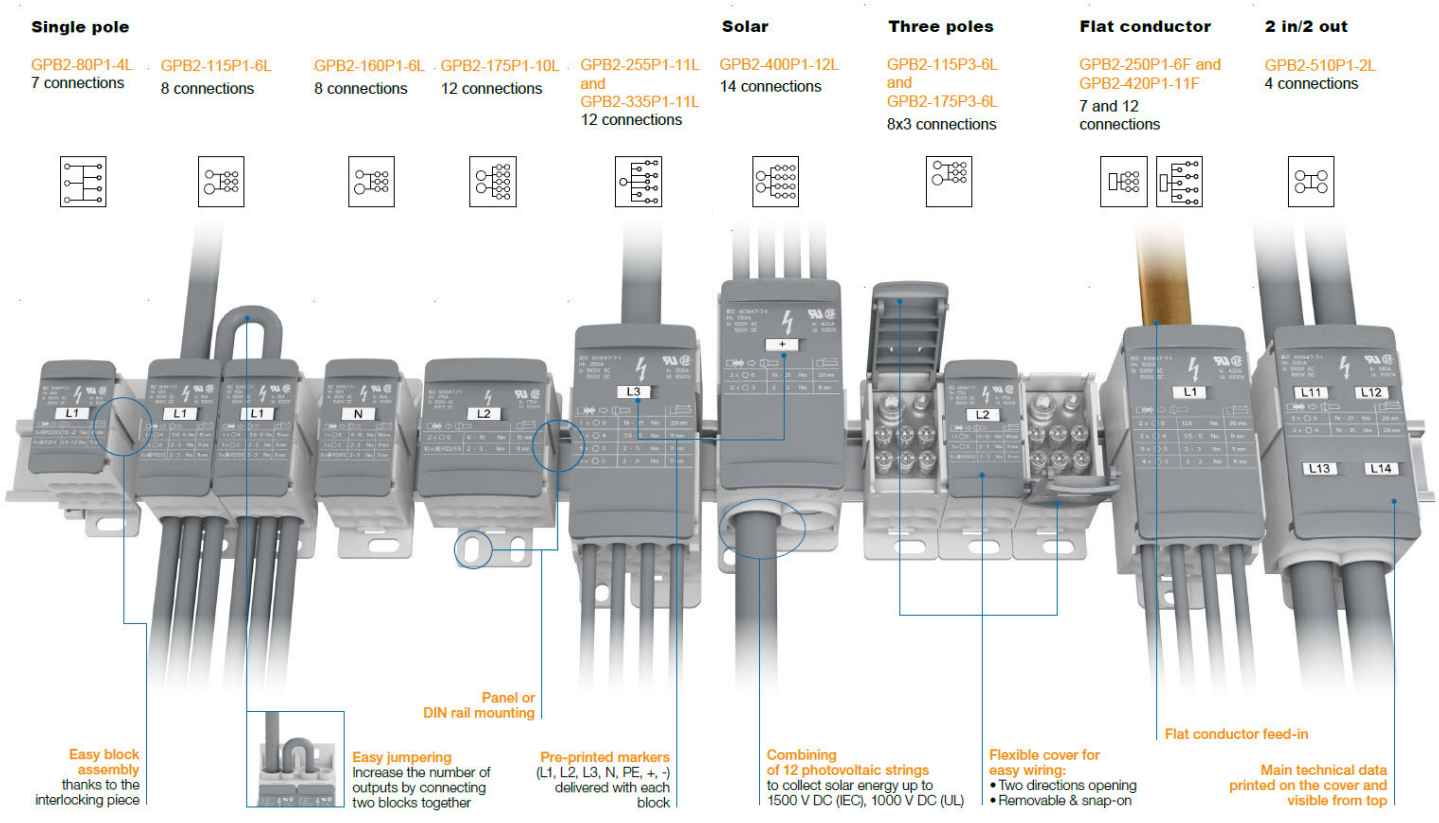
Ratings

- 1000VAC/1500VDC
- UL Flammability Rating UL 94V-0

Agency Approvals

- UL file # E179129
- UL Flammability Rating UL 94V-0
- EU RoHS Directive 2011/65/EU
- UL 1059
- CSA file #606611

CE RoHS



Gladiator GPB2 Terminal Blocks

Gladiator® from AutomationDirect

Gladiator GPB2 Terminal Blocks Selection Table

Part Number	Price	Type	Maximum Current Rating, IEC (Conductor Size)	Maximum Current Rating, UL (Cross Section)	SCCR	Short Time Withstand Current (IEC Rating I_{cw} 1s)	Peak Withstand Current	Protection Rating	Weight (lb [g])	Drawing
GPB2-80P1-4L	$12.50	Single pole	Cu: 80A (16mm²) Al: 63A (16mm²)	Cu: 80A (4 AWG)	100kA	1920A	27kA	IP20 NEMA 1	0.15 [70]	PDF
GPB2-115P1-6L	$23.00	Single pole	Cu: 125A (35mm²) Al: 100A (35mm²)	Cu: 115A (2 AWG)	100kA	4200A	30kA	IP20 NEMA 1	0.27 [122]	PDF
GPB2-115P3-6L	$46.00	Three poles	Cu: 125A (35mm²) Al: 100A (35mm²)	Cu: 115A (2 AWG)	–	4200A	30kA	IP20 NEMA 1	0.81 [367]	PDF
GPB2-160P1-6L	$31.00	Single pole	Cu: 160A (70mm²) Al: 135A (70mm²)	Cu: 160A (2/0 AWG)	100kA	6000A	30kA	IP10 NEMA 1	0.26 [120]	PDF
GPB2-175P1-10L	$42.00	Single pole	Cu: 175A (70mm²) Al: 135A (70mm²)	Cu: 175A (2/0 AWG)	100kA	6000A	30kA	IP10 NEMA 1	0.44 [200]	PDF
GPB2-175P3-6L	$61.00	Three poles	Cu: 175A (70mm²) Al: 135A (70mm²)	Cu: 175A (2/0 AWG)	–	6000A	30kA	IP10 NEMA 1	0.79 [360]	PDF
GPB2-255P1-11L	$46.00	Single pole	Cu: 250A (120mm²) Al: 200A (120mm²)	Cu: 255A (250 Kcmil)	100kA	11400A	51kA	IP10 NEMA 1	0.97 [439]	PDF
GPB2-250P1-6F	$51.00	Flat conductors	Cu: (250A / Flexible busbar: 6 x 15.5 x 0.8 mm) (208A / Solid busbar: 12 x 4 mm, x2)	Cu: (250A / Flexible busbar: 6 x 15.5 x 0.8 mm) (160A / Solid busbar: 12 x 4 mm, x2)	100kA	11400A	22.8 kA	IP20 NEMA 1	0.26 [119]	PDF
GPB2-335P1-11L	$52.00	Single pole	Cu: 400A (185mm²) Al: 300A (185mm²)	Cu: 335A (400 Kcmil)	100kA	18000A	51kA	IP10 NEMA 1	0.94 [425]	PDF
GPB2-400P1-12L	$38.50	Solar	Cu: 550A (2 x 95mm²)	Cu: 400A (250 Kcmil)	100kA	22800A	47.88 kA	IP10 NEMA 1	0.45 [202]	PDF
GPB2-420P1-11F	$52.00	Flat conductors	Cu: 500A (Flexible busbar: 24 x 10 x 1 mm) (Solid busbar: 25 x 5 mm, x2)	Cu: 420A (24 x 10 x 1 mm)	100kA	28800A	43.9kA	IP20 NEMA 1	1.13 [514]	PDF
GPB2-510P1-2L	$53.00	Two in / two out	Cu: 500A (2 x 95mm²)	Cu: 510A (2 x 250 Kcmil)	100kA	22800A	47.88 kA	IP10 NEMA 1	0.49 [224]	PDF

Fuses

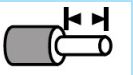
	Over Current Protection Fuse Required Class/Max Amp Rating				SCCR, RMS Sym A (Single Phase Only)
Part Number	RK1	RK5	J	CC	
GPB2-80P1-4L	100A	30A	110A	30A	100kA
GPB2-115P1-6L	200A	100A	250A	30A	
GPB2-115P3-6L					
GPB2-160P1-6L					
GPB2-175P3-6L					
GPB2-175P1-10L	400A	200A	600A	30A	
GPB2-255P1-11L					
GPB2-335P1-11L					
GPB2-400P1-12L					
GPB2-420P1-11F					
GPB2-510P1-2L					
GPB2-250P1-6F	600A	200A	600A	30A	

Usage Conditions

Installation Temperature Range	-5 to 40°C [23 to 104°F]
Operating Temperature Range	-55 to 110°C [-67 to 230°F]

Gladiator GPB2 Terminal Blocks

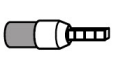
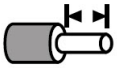
Gladiator GPB2 Terminal Blocks Wire and Torque Specifications

Part Number		Number of Connections	Size (Ø mm [in])	Wire Type		Wire Stripping Length (mm [in])	Tool (mm [in])	Torque
								
GPB2-80P1-4L	Input	3	6.6 [0.26]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 4 AWG]	15 [0.59]	 5.5 [0.22]	1.5 to 2 N•m [13.5 to 18 lb•in]
	Output	4	4.5 [0.18]	2.5 to 6 mm² [14 to 10 AWG]	2.5 to 6 mm² [14 to 10 AWG]	11 [0.43]	 4 [0.16]	0.8 to 1.2 N•m [7.2 to 10.8 lb•in]
GPB2-115P1-6L	Input	1	9.8 [0.39]	10 to 35 mm² [8 to 2 AWG]	10 to 35 mm² [8 to 2 AWG]	15 [0.59]	 4 [0.16]	3.5 to 5 N•m [31 to 44 lb•in]
	Output	1	6.8 [0.27]	2.5 to 16 mm² [14 to 6 AWG]	6 to 16 mm² [10 to 6 AWG]	11 [0.43]	 3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
		6	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	 5 [0.22]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-115P3-6L	Input	1	9.8 [0.39]	10 to 35 mm² [8 to 2 AWG]	10 to 35 mm² [8 to 2 AWG]	15 [0.59]	 4 [0.16]	3.5 to 5 N•m [31 to 44 lb•in]
	Output	1	6.8 [0.27]	2.5 to 16 mm² [14 to 6 AWG]	6 to 16 mm² [10 to 6 AWG]	11 [0.43]	 3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
		6	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	 5 [0.22]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-160P1-6L	Input	1	11.8 [0.46]	16 to 50 mm² [6 to 1/0 AWG]	16 to 70 mm² [6 to 2/0 AWG]	18 [0.71]	 5 [0.20]	6 to 10 N•m [53 to 88 lb•in]
	Output	1	6.8 [0.27]	2.5 to 16 mm² [14 to 6 AWG]	6 to 16 mm² [10 to 6 AWG]	11 [0.43]	 3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
		6	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	 5.5 [0.22]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-175P1-10L	Input	2	11.8 [0.46]	10 to 50 mm² [8 to 1/0 AWG]	10 to 70 mm² [6 to 2/0 AWG]	15 [0.71]	 5 [0.20]	6 to 10 N•m [53 to 88 lb•in]
	Output	10	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	 5.5 [0.22]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-175P3-6L	Input	1	11.8 [0.46]	16 to 50 mm² [6 to 1/0 AWG]	16 to 70 mm² [6 to 2/0 AWG]	18 [0.71]	 5 [0.20]	6 to 10 N•m [53 to 88 lb•in]
	Output	1	6.8 [0.27]	2.5 to 16 mm² [14 to 6 AWG]	6 to 16 mm² [10 to 6 AWG]	11 [0.43]	 3 [0.12]	2 to 3 N·m [18 to 26.5 lb•in]
		6	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	 5.5 [0.22]	2 to 3 N•m [18 to 26.5 lb•in]

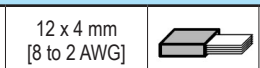
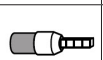
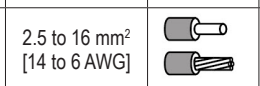
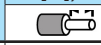
Gladiator GPB2 Terminal Blocks

Gladiator from AutomationDirect

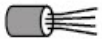
Gladiator GPB2 Terminal Blocks Wire and Torque Specifications

Part Number		Number of Connections	Size (Ø mm [in])	Wire Type		Wire Stripping Length (mm [in])	Tool (mm [in])	Torque
								
GPB2-255P1-11L	Input	1	15.3 [0.60]	35 to 95 mm² [2 to 3/0 AWG]	35 to 120 mm² [2 to 250 Kcmil]	28 [1.10]	5.5 [0.22]	19 to 21 N•m [168 to 185 lb•in]
		2	8.7 [0.34]	2.5 to 25 mm² [14 to 4 AWG]	2.5 to 35 mm² [14 to 2 AWG]	11 [0.43]	4 [0.16]	3.5 to 5 N•m [31 to 44 lb•in]
	Output	5	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
		4	5.7 [0.22]	2.5 to 10 mm² [14 to 8 AWG]	2.5 to 10 mm² [14 to 8 AWG]	11 [0.43]	3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-335P1-11L	Input	1	18.8 [0.74]	95 to 150 mm² [3/0 to 300 Kcmil]	95 to 185 mm² [3/0 to 400 Kcmil]	28 [1.10]	8 [0.31]	25 N•m [221 lb•in]
	Output	2	8.7 [0.34]	2.5 to 25 mm² [14 to 4 AWG]	2.5 to 35 mm² [14 to 2 AWG]	11 [0.43]	4 [0.16]	3.5 to 5 N•m [31 to lb•in]
		5	6.4 [0.25]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
		4	5.7 [0.22]	2.5 to 10 mm² [14 to 8 AWG]	2.5 to 10 mm² [14 to 8 AWG]	11 [0.43]	3 [0.12]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-400P1-12L	Input	2	15.5 [0.59]	25 to 95 mm² [4 to 3/0 AWG]	25 to 120 mm² [4 to 250 Kcmil]	28 [1.1]	6 [0.24]	19 to 21 N•m [168 to 185 lb•in]
	Output	12	6.6 [0.26]	2.5 to 16 mm² [14 to 6 AWG]	2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	3 [0.19]	2 to 3 N•m [18 to 26.5 lb•in]
GPB2-510P1-2L	Input	2	15.5 [0.59]	25 to 95 mm² [4 to 3/0 AWG]	25 to 120 mm² [4 to 250 Kcmil]	28 [1.1]	6 [0.24]	19 to 21 N•m [168 to 185 lb•in]
	Output	2	15.5 [0.59]	25 to 95 mm² [4 to 3/0 AWG]	25 to 120 mm² [4 to 250 Kcmil]	28 [1.1]	6 [0.24]	19 to 21 N•m [168 to 185 lb•in]

Gladiator GPB2 Terminal Blocks (Flat Entry) Wire and Torque Specifications

Part Number		Number of Connections	Size (mm [in])	Wire Type				Wire Stripping Length (mm [in])	Tool (mm [in])	Torque
										
GPB2-250P1-6F	Input	1	15.5 x 7.5 [0.59 x 0.28]		12 x 4 mm [8 to 2 AWG]		3 x 9 x 0.8 mm to 6 x 15.5 x 0.8 mm	15 [0.59]	5 [0.20]	13.5 N·m [120 lb·n]
	Output	6	6.6 [0.26]		2.5 to 16 mm² [14 to 6 AWG]		2.5 to 16mm² [14 to 6 AWG]	11 [0.43]	5.5 [0.22]	2 to 3 N·m [18 to 26.5 lb·in]
GPB2-420P1-11F	Input	1	20 x 10.8 [1.02 x 0.43]		12 x 4 mm up to (2x) 25 x 5 mm		3 x 9 x 0.8 mm to 6 x 15.5 x 0.8 mm	35 [1.38]	5 [0.20]	13.5 N·m [119.5 lb·in]
	Output	2	8.69 [0.34]		2.5 to 25 mm² [14 to 4 AWG]		2.5 to 35 mm² [14 to 2 AWG]	11 [0.43]	4 [0.16]	3.5 to 5 N·m [31 to 44 lb·in]
		4	5.7 [0.22]		2.5 to 10 mm² [14 to 8 AWG]		2.5 to 10 mm² [14 to 8 AWG]	11 [0.43]	3 [0.12]	2 to 3 N·m [18 to 26.5 lb·in]
		5	6.59 [0.26]		2.5 to 16 mm² [14 to 6 AWG]		2.5 to 16 mm² [14 to 6 AWG]	11 [0.43]	3 [0.12]	2 to 3 N·m [18 to 26.5 lb·in]

Wiring Specifications

					
NOT ALLOWED: Flexible without ferrule (IEC V-K & UL: Class 5/6)	Flexible with insulated ferrule (IEC V-K & UL: Class 5/6)	Rigid solid (IEC V-U Class 1, UL solid)	Rigid stranded (IEC V-R Class 2, UL Class B/C)	Solid busbar	Flexible busbar

 **Allen Key**

 **Posidriv Flat Screwdriver**

Gladiator GPB1 Terminal Blocks

Gladiator from AutomationDirect



GPB1-85P1-15S

Features

- Single-pole 7, 15 and 16 connections
- Push-in and spring technology
- Three mounting options: horizontal DIN rail, vertical DIN rail, or panel mount with screws
- Pre-printed block markers (L1, L2, L3, N, PE, +, - , red, blue and green) included
- Increased wiring visibility due to in-line connection and front access
- Hands-free wiring with or without screwdriver
- Compatible with KN-EB4 end brackets
- Built-in voltage test point
- Push-in connections save installation time
- Modular, touch-proof design reduces the need for bus bars, isolators, fasteners, and protection screens
- Copper wire temperature 75°C [167°F]

Ratings

- Up to 130A, 1000VAC/1500VDC
- UL Flammability Rating UL 94V-0

Agency Approvals

- UL file # E179129
- EU RoHS Directive 2011/65/EU
- UL 1059
- CSA file # 606611

Gladiator GPB1 Terminal Blocks Selection Table

Part Number	Price	Rated Current and Voltage (IEC)	Rated Current and Voltage (UL)	Rated Cross Section								Protection Rating	Weight (lb [g])	Drawing
				Flexible Without Ferrule		Flexible With Insulated Ferrule		Flexible With Twin Ferrule		Rigid Solid or Stranded				
				#	mm²	mm²	AWG	mm²	AWG	mm²	AWG			
GPB1-85P1-7S	$12.50	76A 1000VAC 1500VDC	85A 1000V	3	1.5-16	1.5-16	16-6	1.5-6	16-10	1.5-25	16-4	IP20	0.15 [68]	PDF
				4	1.5-10	1.5-10	16-8	1.5-4	16-12	1.5-16	16-6			
GPB1-85P1-15S	$17.50	76A 1000VAC 1500VDC	85A 1000V	3	1.5-16	1.5-16	16-6	1.5-6	16-10	1.5-25	16-4	IP20	0.30 [136.1]	PDF
				12	1.5-10	1.5-10	16-8	1.5-4	16-12	1.5-16	16.6			
GPB1-130P1-16S	$28.00	125A 1000VAC 1000VDC	130A 600V	2*	10-35	10-35	8-1	N/A	N/A	10-35	8-1	IP20	0.40 [181.4]	PDF
				2	1.5-16	1.5-16	16-6	1.5-6	16-10	1.5-16	16-6			
				12	1.5-10	1.5-10	16-8	1.5-4	16-12	1.5-16	16-6			

*** The 2x10 35mm² connections (located on the left side) utilize screw clamp technology.**

Gladiator GPB1 Terminal Blocks Mounting and Torque

Rail		TH 35-7.5 TH 35-15
Wire Stripping Length		Screw connection: 17mm [0.67 in]
		PI-Spring connection: 15mm [0.591 in]
Tool		
For Screw Connection		Allen key Ø 4mm Ø 0.157 in
For PI-Spring Connection (Tool for installation and removal of wires without ferrule)		Flat screwdriver Ø 4mm Ø 0.157
Torque		
25-35 mm² (4-1 AWG)		3.5-4 N•m [31-35.4 lb•in]
16 mm² (6 AWG)		3-3.5 N•m [26.5-35.4 lb•in
10 mm² (8 AWG)		3-3.5 N•m [26.5-35.4 lb•n

Usage Conditions

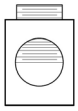
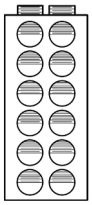
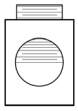
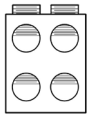
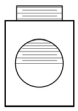
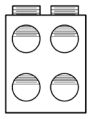
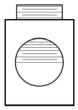
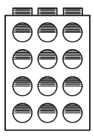
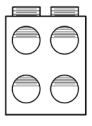
Installation Temperature Range	-5 to 40°C [23 to 104°F]
Operating Temperature Range	-55 to 110°C [-67 to 230°F]

Fuses

Over Current Protection Fuse Required Class/Max Amp Rating				SCCR, RMS Sym A (Single Phase Only)
RK1	RK5	J	CC	100kA
200A	60A	200A	30A	

Penn Union Power Distribution Blocks

Penn Union Aluminum Power Distribution Blocks (Type APDB) Specifications

Part Number	Run (Line Side)			Tap (Load Side)			Amp Rating Per Pole	Block Size	Torque		Fuse
	Wire Range	Openings Per Pole	Hex Size	Wire Range	Openings Per Pole	Hex Size			Wire Range	Torque	
APDB-112-350-1	350 kcmil-6		3/8	4 - 14		Slot	310A	Large	Line side: (1) 350 kcmil - 6 AWG Load side: (12) 4-8 AWG (12) 10-14 AWG	 375 in•lb 35 in•lb 20 in•lb	
APDB-14-2/0-1	2/0-14 AWG		3/16	4 - 14		Slot	175A	Small	Line side: (1) 2/0-8 AWG (1) 10-14 AWG Load side: (4) 4-8 AWG (4) 10-14 AWG	 120 in•lb 20 in•lb 35 in•lb 20 in•lb	
APDB-14-500-1	500 kcmil-4		3/8	4/0 - 6		3/16	380A	Large	Line side: (1) 500 kcmil - 4AWG Load side: (4) 4/0 -1/0 AWG (4) 1-6 AWG	 443 in•lb 225 in•lb 120 in•lb	
APDB-16-500-1	500 kcmil-4		3/8	2/0 - 14		3/16	380A	Large	Line side: (1) 500 kcmil - 4AWG Load side: (6) 2/0-8 AWG (6) 10-14 AWG	 443 in•lb 120 in•lb 20 in•lb	
APDB-212-500-1	500 kcmil-4		3/8	4 - 14		Slot	760A	Large	Line side: (2) 500 kcmil - 4AWG Load side: (12) 4-8 AWG (12) 10-14 AWG	 443 in•lb 35 in•lb 20 in•lb	
APDB-24-500-1	500 kcmil-4		3/8	4/0 - 6		5/16	760A	Large	Primary: (2) 500 kcmil - 4AWG Load side: (4) 4/0 -1/0 AWG (4) 1-6 AWG	 443 in•lb 225 in•lb 120 in•lb	
APDB-26-350-1	350 kcmil-6		3/8	2/0 - 14		3/16	620A	Large	Line side: (2) 350 kcmil - 6AWG Load side: (6) 2/0-8 AWG (6) 10-14 AWG	 375 in•lb 120 in•lb 20 in•lb	

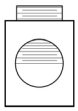
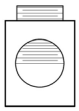
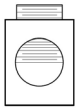
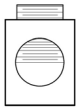
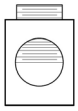
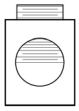
Fuse Class	Amp Rating
J	110
T	110
RK1	60
RK5	30
G	60
CC	30

When protected by a suitable fuse, these power distribution blocks are rated for use on a circuit capable of delivering no more than 100,000 amp RMS symmetrical or DC 600V maximum. Rated for load use.

NOTE: All wire sizes unless noted otherwise are American Wire Gauge (AWG)

Penn Union Splicer/Reducer Blocks

Penn Union Aluminum Splicer/Reducer Blocks (Type ASRB) Specifications

Part Number	Run (Line Side)			Tap (Load Side)			Amp Rating Per Pole	Block Size	Torque		Fuse
	Wire Range	Openings Per Pole	Hex Size	Wire Range	Openings Per Pole	Hex Size (in)			Wire Range	Torque	
ASRB-11-2/0-1	2/0-14 AWG		3/16	2/0-14 AWG		3/16	175A	Small	Line side: (1) 2/0-8 AWG (1) 10-14 AWG Load side: (1) 2/0-8 AWG (1) 10-14 AWG	 120 in•lb 20 in•lb 120 in•lb 20 in•lb	
ASRB-11-350-1	350 kcmil-6		3/8	350 kcmil-6		3/8	310A	Medium	Line side: (1) 350 kcmil - 6AWG Load side: (1) 350 kcmil - 6AWG	 375 in•lb 375 in•lb	
ASRB-11-500-1	500 kcmil-4		3/8	500 kcmil-4		3/8	380A	Medium	Line side: (1) 500 kcmil - 4AWG Load side: (1) 500 kcmil - 4AWG	 443 in•lb 443 in•lb	
ASRB-22-2/0-1	2/0-14 AWG		3/16	2/0-14 AWG		3/16	350A	Medium	Line side: (2) 2/0-8 AWG (2) 10-14 AWG Load side: (2) 2/0-8 AWG (2) 10-14 AWG	 120 in•lb 20 in•lb 120 in•lb 20 in•lb	
ASRB-22-350-1	350 kcmil-6		3/8	350 kcmil-6		3/8	620A	Large	Line side: (2) 350 kcmil - 6AWG Load side: (2) 350 kcmil - 6AWG	 375 in•lb 375 in•lb	
ASRB-22-500-1	500 kcmil-4		3/8	500 kcmil-4		3/8	760A	Large	Line side: (2) 500 kcmil - 4AWG Load side: (2) 500 kcmil - 4AWG	 443 in•lb 443 in•lb	

Fuse Class	Amp Rating
J	110
T	110
RK1	60
RK5	30
G	60
CC	30

When protected by a suitable fuse, these power distribution blocks are rated for use on a circuit capable of delivering no more than 100,000 amp RMS symmetrical or DC 600V maximum. Rated for load use.

NOTE: All wire sizes unless noted otherwise are American Wire Gauge (AWG)

WAGO Splicing Connectors

Splicing Connectors 221 Series LEVER-NUTS®



Overview

The 221 series LEVER-NUTS® adds a lever to WAGOs' CAGE CLAMP® technology allowing for easy opening and closing of the cage clamp. This allows you to quickly and easily connect all conductor types of different cross sections using two-, three-, and five-wire connectors. The 221 series connectors accommodate solid, stranded and fine-stranded conductors in two variants from 12-24AWG and 10-20AWG. You can open WAGO's splicing connectors easily and quickly. Opening the levers on the 221 series requires little effort. This means you can connect conductors quickly without any tools! While connecting the conductor, recessed handles on the sides ensure a secure grip on the connector.

Features

- More compact, user friendly, and can handle 20A or 30A currents
- Available in 2-, 3-, and 5-wire connectors
- Copper conductors only
- Lever technology eliminates tool use
- With the transparent body, it is easy to inspect the strip length and verify the conductor is completely inserted
- You can mix solid and stranded wire types
- Built-in test points
- 2-year warranty

Inline Splicing Connectors 221 Series LEVER-NUTS®

The 221 series inline splicing connector combines all the trusted advantages of the 221 series splicing connectors into a slim design. Offering unsurpassed simplicity, speed and reliability, the 221 series provides universal conductor connections – with lever technology that eliminates tools – while offering a visibly secure conductor contact.

Features

- Has all the advantages of the 221 series - compact and can handle up to 20 Amps
- Transparent body makes it easy to inspect the strip length and verify the conductor is completely inserted
- You can mix solid and stranded wire types
- 2-year warranty

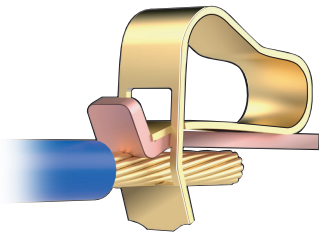


CAGE CLAMP® Technology

As the world leader in spring pressure connection technology, WAGO offers the perfect connection system to meet your specific needs. As early as 1951, WAGO implemented the concept of using spring pressure instead of screws to connect conductors. With the invention of the CAGE CLAMP®, WAGO set new standards and are continually expanding and optimizing.

Features

- Shorter wiring times reducing labor costs
- Faster commissioning, reducing upfront costs
- Maintenance-free spring pressure connection technology: Greater system uptime and equipment reliability
- Rugged design: can also be used in harsh environments – anywhere in the world
- 2-year warranty



WAGO Splicing Connectors

Splicing Connectors
221 Series LEVER-NUTS®



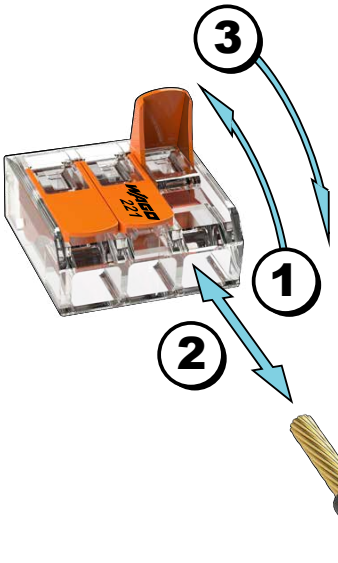
221-412

Splicing Connectors 221 Series LEVER-NUTS®								
Part Number	**Qty**	**Price**	**Wire Range**	**Number of Openings**	**Number of Commons**	**Strip Length**	**Wiring Direction**	**Drawing Link**
20 Amp Models								
221-412	100	$32.00	0.2- 4mm² [24-12 AWG] (Solid/Stranded)	2	1	11mm [0.43in]	Side-Entry	PDF
221-413	50	$20.00		3				PDF
221-415	25	$15.50		5				PDF
221-2401	60	$24.00	0.2-4mm² [20-12 AWG] Solid 0.2-2.5mm² [18-12 AWG] Stranded	2			In-Line	PDF
30 Amp Models								
221-612	50	$29.00	0.5 - 6mm² [20-10 AWG] (Solid/Stranded)	2	1	12 - 14mm [0.47–0.55 in]	Side-Entry	PDF
221-613	30	$21.50		3				PDF
221-615	15	$18.00		5				PDF

Splicing Connectors Specifications 221 Series LEVER-NUTS®							
Part Number	**221-412**	**221-413**	**221-415**	**221-2401**	**221-612**	**221-613**	**221-615**
UL Rated Voltage (per UL 486C)	600V						
UL Rated Current (per UL 486C)	20A				30A		
IEC Rated Voltage (per EN 60664)	450V						
IEC Rated Current (per EN 60664)	32A				41A		
Temperature Range	Surrounding air temperature: 85°C [-40 to 185°F] / Continuous air temperature: 105°C [-40 to 221°F]						
Connection Technology	CAGE CLAMP®						
Connector Conductor Material	Copper						
Housing Material	Polycarbonate(PC)						
Color - Body	Transparent						
Color - Actuator	Orange						
Flammability Class (per UL94)	V2						
Weight	1.7g	2.5g	4g	2.4g	3g	4g	7.1g
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)						
Approvals	cULus E69654 / E201573						

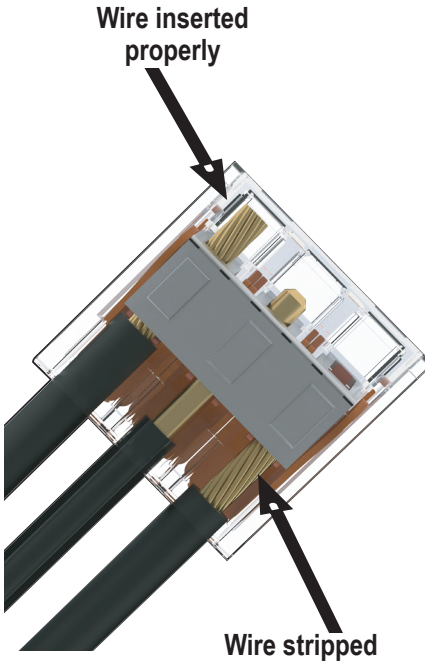
WAGO Splicing Connectors

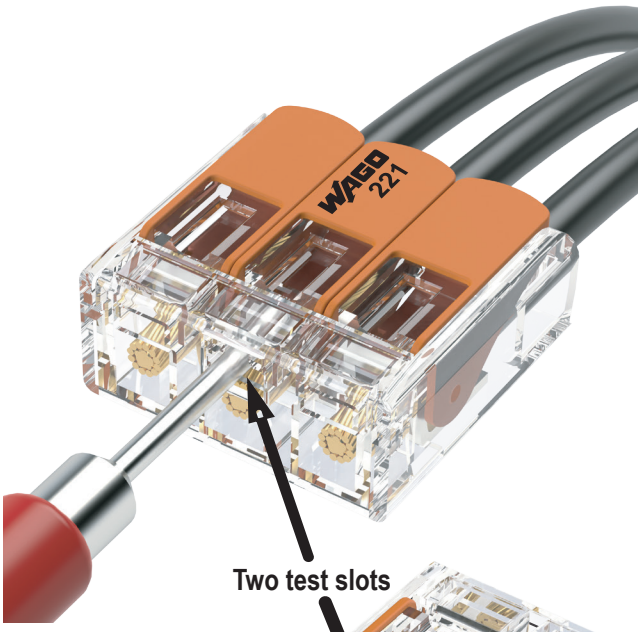
Splicing Connectors
221 Series LEVER-NUTS®

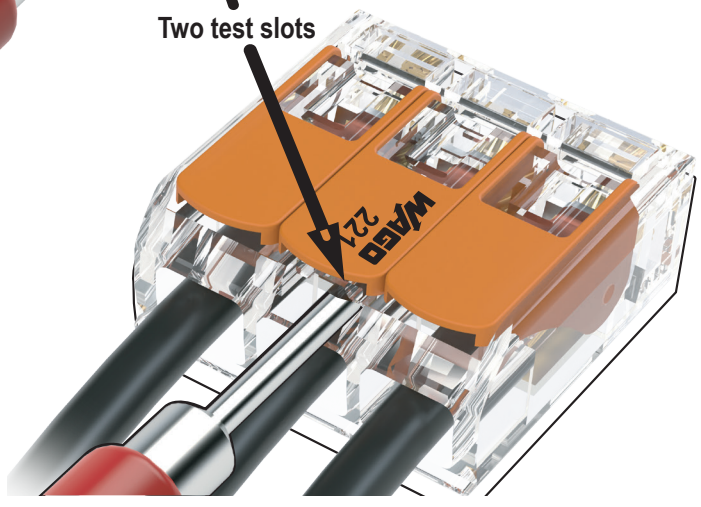


Easy to use
1. Open lever
2. Insert wire
3. Close lever

With the transparent body, it is easy to inspect the strip length and verify the conductor is completely inserted.



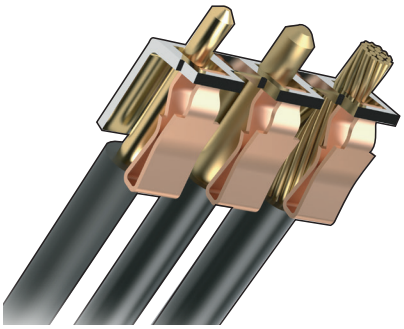




Easily combine various types and sizes of wires: solid, stranded, and flexible.

221-4 series is rated for 20A with a wire range of 24-12 AWG

221-6 series is rated for 30A with a wire range of 20-10 AWG



WAGO Splicing Connectors

Splicing Connectors
2773 Series PUSHWIRE®

Overview

Push your way to fast and reliable connections. The 2773 series uses WAGOs' PUSHWIRE® technology to offer a compact and safe way to connect solid and stranded conductors. The compact, clear choice for any wire splicing connection.

Features

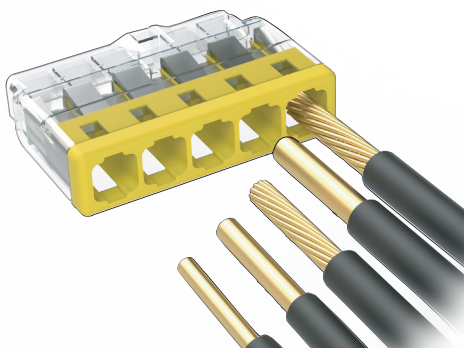
- No twisting, crimping, or taping required
- Takes less time to terminate wires
- Compact design reduces a box fill
- One spring per conductor provides independent contact force against a copper current bar
- You can mix solid and stranded wire types
- Copper conductors only
- With the transparent body, it is easy to inspect the strip length and verify the conductor is completely inserted
- 2-year warranty



PUSHWIRE® Technology

The 2773 series utilize the PUSHWIRE® technology. Simply push a conductor into the unit – and you are done!

Rigid conductors, such as solid, stranded, and ferruled, and fine-stranded conductors can be terminated by simply pushing them in – no operating tool needed.



WAGO Splicing Connectors

Splicing Connectors
2773 Series PUSHWIRE®



2773-404

Splicing Connectors 2773 Series PUSHWIRE®								
Part Number	**Qty**	**Price**	**Wire Range**	**Number of Openings**	**Number of Commons**	**Strip Length**	**Wiring Direction**	**Drawing Link**
20 Amp Models								
2773-402	120	$15.00	0.75-4mm² [20-12 AWG] Solid 1.5-4mm² [18-12 AWG] Stranded	2	1	13mm [0.51 in]	Side-Entry	PDF
2773-403	100	$13.50		3				PDF
2773-404	80	$11.00		4				PDF
2773-405	60	$9.50		5				PDF
2773-406	50	$11.50		6				PDF
2773-408	40	$9.50		8				PDF

Splicing Connectors Specifications 2773 Series PUSHWIRE®						
Part Number	2773-402	2773-403	2773-404	2773-405	2773-406	2773-408
UL Rated Voltage (per UL 486C)	600V					
UL Rated Current (per UL 486C)	20A					
IEC Rated Voltage (per EN 60998)	450V					
IEC Rated Current (per EN 60998)	32A					
Temperature Range	Processing temperature: -35 to 60°C [-31 to 140°F] Continuous air temperature: -40 to 105°C [-40 to 221°F]					
Connection Technology	PUSHWIRE ®					
Connector Conductor Material	Copper					
Housing Material	Polycarbonate (PC)					
Color - Body	Transparent					
Color - Actuator	White	Orange	Red	Yellow	Gray	Light Gray
Flammability Class (per UL94)	V2					
Weight	1.1g	1.6g	2.1g	2.6g	2.6g	3.4g
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Approvals	cULus E69654 / E201573					

WAGO Splicing Connectors

Splicing Connectors
2773 Series PUSHWIRE®

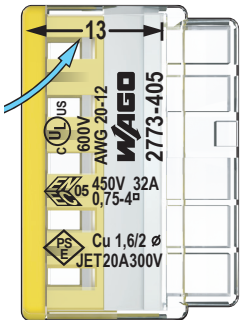
Strip Length Indication

Strip solid or stranded conductor to 13mm [0.51in].

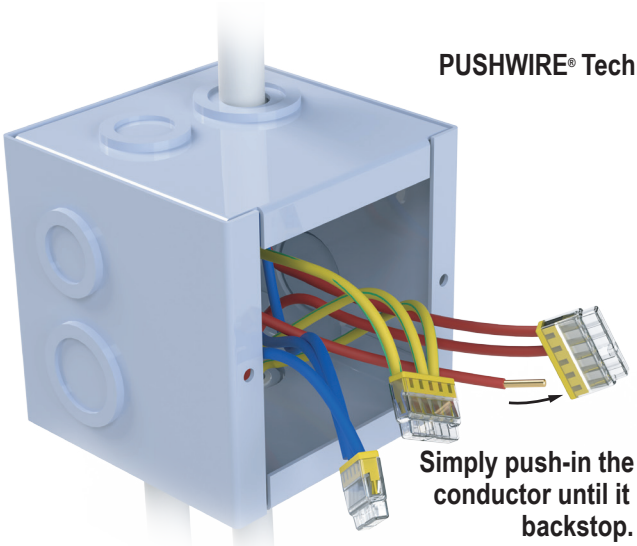




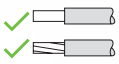
Strip gauge can be found on the side of the connector with the markings.



PUSHWIRE® Technology



Simply push-in the stripped conductor until it hits the backstop.

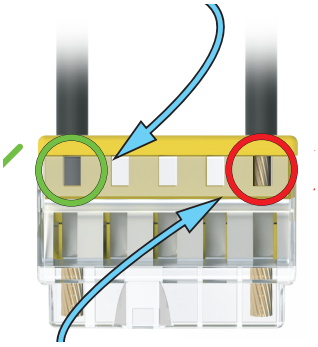


Different conductor types can be combined.

Low insertion forces with high retention forces for a secure connection.

Visual Inspection Window

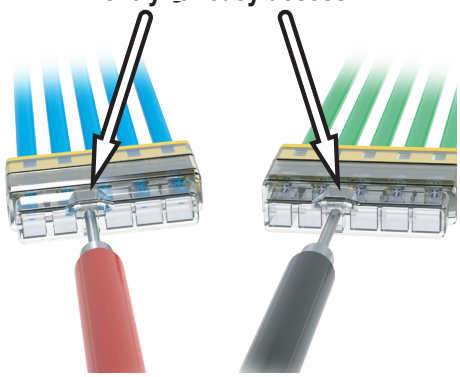
The visual inspection window ensures a proper termination every time.



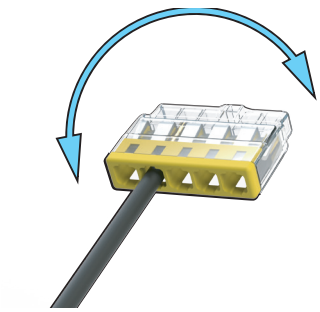
If the conductor is showing in the inspection window, the wire has been stripped incorrectly.

Built-In Test Port

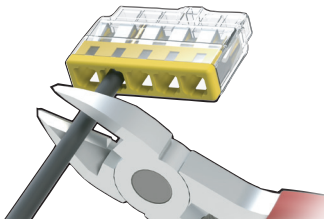
Test port located opposite the conductor entry for easy access.



Conductor Removal



Solid conductor:
Hold wire and twist left and right while pulling the connector.
Approved for reuse.



Stranded conductor:
Cut the wire, re-strip, and insert into a new connector.

Zoller+Fröhlich

Wiring Accessories

Single Insulated Wire Ferrules

These tin-plated copper single insulated ferrules are designed to accommodate conductors with cross-sections ranging from 20AWG to 1AWG (0.5 to 50 mm²). Tolerances according to DIN 46228 part 4.

- Heat resistant from -5 to 105°C [23 to 221°F]
- CE / RoHs 2011/65/EU
- UL E333905
- CSA-US 1176867
- Insulating Collar: Polypropylene-fluoropolymer
- Tube: Copper (Cu-DHP)
- Tin Plating: Galvanically tin-plated, bright finish

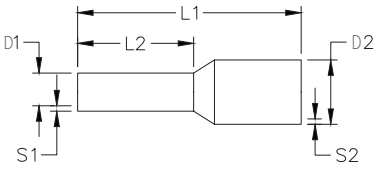


Single Insulated Wire Ferrules

Part Number		Cross Section		Dimensions [mm]						Qty	Price
Standard	DIN	AWG	mm²	L1	L2	D1	D2	S1	S2		
V30AE000006	V30AE000038	20	0.5	14	8	1	2.6	0.15	0.25	500	$8.00
V30AE000009	V30AE000041	18	0.75	14	8	1.2	2.8	0.15	0.25	500	$8.00
V30AE000013	V30AE000045	18	1.0	14	8	1.4	3.0	0.15	0.25	500	$8.00
V30AE000016	V30AE000048	16	1.5	14	8	1.7	3.5	0.15	0.25	500	$8.00
V30AE000017	V30AE000049	16	1.5	16	10	1.7	3.5	0.15	0.25	500	$13.00
V30AE000052	V30AE000052	14	2.5	15	8	2.2	4.2	0.15	0.25	500	$10.00
V30AE000053	V30AE000053	14	2.5	19	12	2.2	4.2	015	0.25	500	$15.50
V30AE000055	V30AE000055	12	4	18	10	2.8	4.8	0.2	0.3	500	$14.50
V30AE000056	V30AE000056	12	4	20	12	2.8	4.8	0.2	0.3	500	$18.00
V30AE000025	V30AE000058	10	6	20	12	3.5	6.3	0.2	0.3	100	$4.00
V30AE000026	V30AE000059	10	6	26	18	3.5	6.3	0.2	0.3	100	$5.00
V30AE000027	V30AE000060	8	10	22	12	4.5	7.6	0.2	0.4	100	$5.00
V30AE000028	V30AE000061	8	10	28	18	4.5	7.6	0.2	0.4	100	$6.00
V30AE000029	V30AE000062	6	16	22	12	5.8	8.8	0.2	0.4	100	$6.00
V30AE000030	V30AE000063	6	16	28	18	5.8	8.8	0.2	0.4	100	$9.00
V30AE000031	V30AE000064	4	25	30	16	7.3	11.2	0.2	0.4	50	$7.00
V30AE000033*	V30AE000067	2	35	30	16	8.3	12.7	0.2	0.4	50	$9.50
V30AE000035	V30AE000070	1/0	50	36	20	10.3	15	0.3	0.5	50	$13.00

Available Colors

Orange	White
Blue	Ivory
Black	Green
Gray	Brown
Yellow	Beige
Red	Olive



* Not UL Certified

Twin Insulated Wire Ferrules

These tin-plated copper twin insulated ferrules are designed to accommodate conductors with cross-sections ranging from 20 AWG to 6 AWG (0.5 to 16 mm²). Tolerances according to DIN 46228 part 4.

- Heat resistant from -5 to 105°C [23 to 221°F]
- CE / RoHs 2011/65/EU
- UL E333905
- CSA-US 1176867
- Insulating Collar: Polypropylene-fluoropolymer
- Tube: Copper (Cu-DHP)
- Tin Plating: Galvanically tin-plated, bright finish

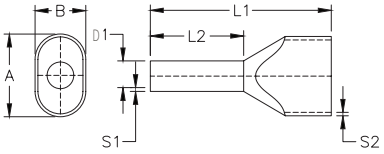


Twin Insulated Wire Ferrules

Part Number		Cross Section		Dimensions [mm]							Qty	Price
Standard	DIN	AWG	mm²	L1	L2	D1	S1	S2	A	B		
V30AE001134	V30AE001145	2 x 20	2 x 0.5	14	8	1.4	0.15	0.3	5	3	500	$19.50
V30AE000606	V30AE000607	2 x 18	2 x 0.75	14	8	1.7	0.15	0.3	5.5	3	500	$20.00
V30AE000733	V30AE000734	2 x 18	2 x 0.75	16	10	1.7	0.15	0.3	5.5	3	500	$24.00
V30AE000608	V30AE000609	2 x 18	2 x 1	15	8	2	0.15	0.3	5.8	3.2	500	$20.00
V30AE000735	V30AE000736	2 x 18	2 x 1	19	12	2	0.15	0.3	5.8	3.2	500	$24.00
V30AE000623	V30AE000625	2 x 16	2 x 1.5	16	8	2.2	0.15	0.3	6.5	3.6	500	$20.00
V30AE000737	V30AE000738	2 x 16	2 x 1.5	20	12	2.2	0.15	0.3	6.5	3.6	500	$24.00
V30AE000611	V30AE000611	2 x 14	2 x 2.5	19	10	2.8	0.15	0.4	8	4.5	500	$22.00
V30AE000748	V30AE000748	2 x 14	2 x 2.5	21	12	2.8	0.15	0.4	8	4.5	100	$4.50
V30AE001148	V30AE001148	2 x 12	2 x 4	22	12	3.5	0.2	0.5	9	5.2	100	$11.50
V30AE001139	V30AE001150	2 x 10	2 x 6	23	12	4.5	0.2	0.5	11.4	6.2	100	$13.00
V30AE001141	V30AE001152	2 x 8	2 x 10	24	12	5.8	0.2	0.5	13.4	7.6	100	$17.50
V30AE001143	V30AE001154	2 x 6	2 x 16	29	16	8.3	0.3	0.6	17.2	9.5	50	$10.50

Available Colors

Orange	Green	Gray
Blue	Ivory	Yellow
Black	Red	White



Wiring Accessories

Crimp Terminals

Partially insulated crimp terminals are constructed from high quality tin-plated copper and PVC. Heat resistant from -4°F [-20°C] up to +167°F [+75°C]. Flammability classification UL 94-V0.

RoHS 2011/65/EU

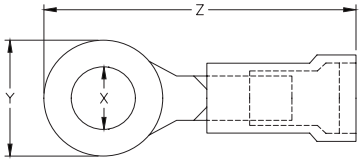
- Insulation: polyvinyl chloride
- Sleeve material: copper

Ring Terminals



Partially Insulated PVC Ring Terminals

Part Number	Cross Section		Dimension [mm]			Qty	Price
	AWG	mm²	X	Y	Z		
V70RK004004	20 - 18	0.5 - 1	4.0	8.0	22.2	100	$11.50
V70RK004005	20 - 18	0.5 - 1	5.0	8.0	22.2	100	$11.50
V70RK004011	16 - 14	1.5 - 2.5	4.0	8.6	23.0	100	$12.00
V70RK004012	16 - 14	1.5 - 2.5	5.0	8.6	23.0	100	$13.00
V70RK004017	12 - 10	4 - 6	4.0	9.5	26.9	100	$19.50
V70RK004018	12 - 10	4 - 6	5.0	9.5	26.9	100	$19.50

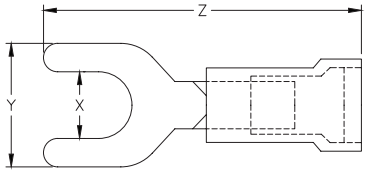


Fork Terminals



Partially Insulated PVC Fork Terminals

Part Number	Cross Section		Dimension [mm]			Qty	Price
	AWG	mm²	X	Y	Z		
V70GK004003	20 - 18	0.5 - 1	4.0	7.3	22.3	100	$11.50
V70GK004004	20 - 18	0.5 - 1	5.0	8.0	21.7	100	$12.00
V70GK004008	16 - 14	1.5 - 2.5	4.0	7.3	22.3	100	$11.50
V70GK004009	16 - 14	1.5 - 2.5	5.0	8.1	22.3	100	$13.00
V70GK004011	12 - 10	4 - 6	4.0	9.1	25.8	100	$17.50
V70GK004012	12 - 10	4 - 6	5.0	9.1	25.8	100	$17.50

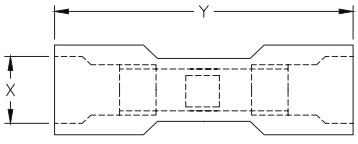


Butt Connectors



Fully Insulated PVC Butt Connectors

Part Number	Cross Section		Dimension [mm]		Qty	Price
	AWG	mm²	X	Y		
V70SV004001	20 - 18	0.5 - 1	5.4	26.0	100	$12.00
V70SV004002	16 - 14	1.5 - 2.5	6.1	26.0	100	$14.00
V70SV004003	12 - 10	4 - 6	8.0	26.0	100	$20.00

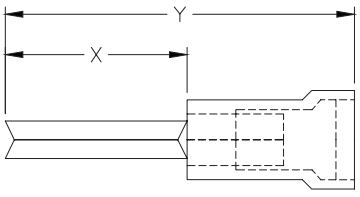


Pin Terminals



Partially Insulated PVC Pin Terminals

Part Number	Cross Section		Dimension [mm]		Qty	Price
	AWG	mm²	X	Y		
V70SS004001	20 - 18	0.5 - 1	12.0	23.3	100	$13.00
V70SS004002	16 - 14	1.5 - 2.5	12.0	23.4	100	$14.00
V70SS004003	12 - 10	4 - 6	14.0	28.2	100	$21.00



Note: Dimensions are approximate. Please visit our website www.AutomationDirect.com for complete engineering drawings.

Zoller+Fröhlich

Wiring Accessories

Disconnect Terminals

Disconnect terminals are constructed from copper-enhanced PVC and brass. Heat resistant from -4°F [-20°C] up to +167°F [+75°C]. Flammability classification UL 94-V0.

RoHS 2011/65/EU

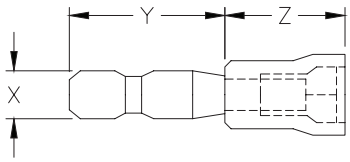
- Insulation: polyvinyl chloride strengthened with copper
- Sleeve material: brass

Male Bullet Disconnect Terminals



Partially Insulated Male Bullet Disconnect Terminals

Part Number	Cross Section		Dimension [mm]			Qty	Price
	AWG	mm²	X	Y	Z		
V70RS004001	20 - 18	0.5 - 1	4.0	11.3	9.8	100	$10.50
V70RS004002	16 - 14	1.5 - 2.5	5.0	11.8	11.7	100	$12.00
V70RS004003	12 - 10	4 - 6	5.0	11.0	10.2	100	$14.00

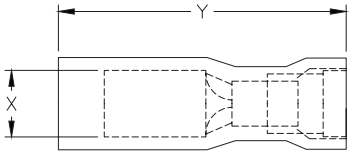


Female Bullet Disconnect Terminals



Fully Insulated Female Bullet Disconnect Terminals

Part Number	Cross Section		Dimension [mm]		Qty	Price
	AWG	mm²	X	Y		
V70RV004001	20 - 18	0.5 - 1	4.0	23.9	100	$14.00
V70RV004002	16 - 14	1.5 - 2.5	5.0	23.9	100	$14.00
V70RV004003	12 - 10	4 - 6	5.0	27.8	100	$25.00

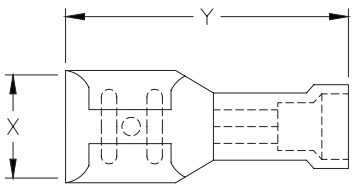


Partially Insulated PVC Female Disconnect Terminals



Partially Insulated Female Disconnect Terminals

Part Number	Cross Section		Dimension [mm]		Qty	Price
	AWG	mm²	X	Y		
V70FH004001	20 - 18	0.5 - 1	2.8 x 0.5	19.5	100	$10.00
V70FH004002	20 - 18	0.5 - 1	2.8 x 0.8	18.8	100	$10.00
V70FH004003	20 - 18	0.5 - 1	4.8 x 0.5	19.5	100	$10.00
V70FH004004	20 - 18	0.5 - 1	4.8 x 0.8	19.5	100	$10.00
V70FH004005	20 - 18	0.5 - 1	6.3 x 0.8	20.9	100	$11.50
V70FH004006	16 - 14	1.5 - 2.5	2.8 x 0.5	18.8	100	$10.50
V70FH004007	16 - 14	1.5 - 2.5	2.8 x 0.8	18.8	100	$10.50
V70FH004008	16 - 14	1.5 - 2.5	4.8 x 0.5	19.5	100	$10.50
V70FH004009	16 - 14	1.5 - 2.5	4.8 x 0.8	19.5	100	$10.50
V70FH004010	16 - 14	1.5 - 2.5	6.3 x 0.8	20.9	100	$12.00
V70FH004011	12 - 10	4 - 6	6.3 x 0.8	23.8	100	$20.00

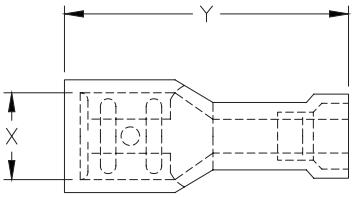


Fully Insulated PVC Female Disconnect Terminals



Fully Insulated Female Disconnect Terminals

Part Number	Cross Section		Dimension [mm]		Qty	Price
	AWG	mm²	X	Y		
V70FV004003	20 - 18	0.5 - 1	2.8 x 0.5	18.6	100	$13.00
V70FV004004	20 - 18	0.5 - 1	2.8 x 0.8	18.6	100	$13.00
V70FV004005	20 - 18	0.5 - 1	4.8 x 0.5	20.4	100	$14.00
V70FV004006	20 - 18	0.5 - 1	4.8 x 0.8	20.3	100	$14.00
V70FV004001	20 - 18	0.5 - 1	6.3 x 0.8	22.5	100	$14.00
V70FV004007	16 - 14	1.5 - 2.5	4.8 x 0.5	18.8	100	$14.00
V70FV004008	16 - 14	1.5 - 2.5	4.8 x 0.8	20.5	100	$14.00
V70FV004002	16 - 14	1.5 - 2.5	6.3 x 0.8	22.5	100	$15.50
V70FV004009	12 - 10	4 - 6	6.3 x 0.8	24.2	100	$24.00



Note: Dimensions are approximate. Please visit our website www.AutomationDirect.com for complete engineering drawings.

Wiring Accessories

Disconnect Terminals

Disconnect terminals are constructed from copper-enhanced PVC and brass. Heat resistant from -4°F [-20°C] up to +167°F [+75°C]. Flammability classification UL 94-V0.

- Insulation: polyvinyl chloride strengthened with copper
- Sleeve material: brass

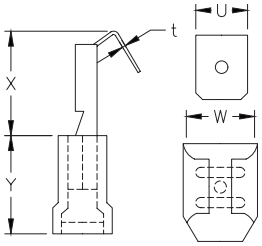
RoHS 2011/65/EU

Partially Insulated Piggy Back Disconnect Terminals



Piggy Back Disconnect Terminals

Part Number	Cross Section		Dimension [mm]					Qty	Price
	AWG	mm²	w	u	t	x	y		
V70FP004001	20 - 18	0.5 - 1	6.6	6.3	0.8	13.4	10.0	100	$14.00
V70FP004002	16 - 14	1.5 - 2.5	6.6	6.3	0.8	13.4	11.0	100	$14.00
V70FP004003	12 - 10	4 - 6	6.6	6.3	0.8	13.4	12.0	100	$21.00

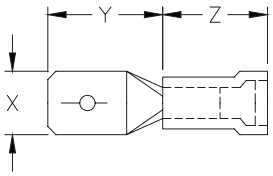


Partially Insulated PVC Male Disconnect Terminals



Partially Insulated Male Disconnect Terminals

Part Number	Cross Section		Dimension [mm]			Qty	Price
	AWG	mm²	X	Y	Z		
V70FS004001	20 - 18	0.5 - 1	2.8 x 0.5	8.0	10	100	$10.00
V70FS004002	20 - 18	0.5 - 1	2.8 x 0.8	9.0	9.5	100	$10.00
V70FS004003	20 - 18	0.5 - 1	4.8 x 0.5	9.0	9.9	100	$10.00
V70FS004004	20 - 18	0.5 - 1	4.8 x 0.8	9.4	10	100	$10.00
V70FS004005	20 - 18	0.5 - 1	6.3 x 0.8	10.8	10	100	$10.50
V70FS004008	16 - 14	1.5 - 2.5	4.8 x 0.5	8.7	10	100	$10.00
V70FS004009	16 - 14	1.5 - 2.5	4.8 x 0.8	9.2	10	100	$10.50
V70FS004010	16 - 14	1.5 - 2.5	6.3 x 0.8	10.8	10	100	$11.00
V70FS004011	12 - 10	4 - 6	6.3 x 0.8	10.8	13	100	$19.50



Note :Dimensions are approximate. Please visit our website www.AutomationDirect.com for complete engineering drawings.

Wiring Accessories

Crimping Tools

Crimping Tools			
Part Number	**Description**	**Weight**	**Price**
K70ZA000113	Crimping tool for use with single ferrules AWG 20 - 10 [0.5 - 6 mm²] and twin ferrules AWG 2 x 18 - 2 x 12 [2 x 0.75 - 2 x 4 mm²]. 5 crimping positions. With and without insulating collar. Conforms to DIN 46228 part 1 and 2.	0.74 lb [335g]	$127.00
K70ZA000117	Crimping tool for use with single ferrules AWG 10 - 4 [6 - 25 mm²] and twin ferrules AWG 2 x 12 - 2 x 8 [2 x 4 - 2 x 10 mm²]. 4 crimping positions. Conforms to DIN 46228 part 1 and 4.	1.19 lb [540g]	$136.00
K70ZA000130	Crimping tool for PVC-insulated terminals AWG 20 - 10 [0.5 - 6 mm²]. 3 crimping positions.	1.12 lb [510g]	$127.00

Note: Z&F crimping tools recommended by the ferrule manufacturer before terminating in terminal blocks, wire connectors, or end-product terminals (such as starters, etc.).

K70ZA000113



K70ZA000117



K70ZA000130



Crimping Tools Cross Reference				
	Part Number		K70ZA000113	K70ZA000117
	Standard	**DIN**		
Single Ferrules	V30AE000006	V30AE000038	X	—
	V30AE000009	V30AE000041	X	—
	V30AE000013	V30AE000045	X	—
	V30AE000016	V30AE000048	X	—
	V30AE000017	V30AE000049	X	—
	V30AE000052	V30AE000052	X	—
	V30AE000053	V30AE000053	X	—
	V30AE000055	V30AE000055	X	—
	V30AE000056	V30AE000056	X	—
	V30AE000025	V30AE000058	X	X
	V30AE000026	V30AE000059	X	X
	V30AE000027	V30AE000060	—	X
	V30AE000028	V30AE000061	—	X
	V30AE000029	V30AE000062	—	X
	V30AE000030	V30AE000063	—	X
	V30AE000031	V30AE000064	—	X
	V30AE000033	V30AE000067	—	—
	V30AE000035	V30AE000070	—	—
Twin Ferrules	V30AE001134	V30AE001145	X	—
	V30AE000606	V30AE000607	X	—
	V30AE000733	V30AE000734	X	—
	V30AE000608	V30AE000609	X	—
	V30AE000735	V30AE000736	X	—
	V30AE000623	V30AE000625	X	—
	V30AE000737	V30AE000738	X	—
	V30AE000611	V30AE000611	X	—
	V30AE000748	V30AE000748	X	—
	V30AE001148	V30AE001148	X	X
	V30AE001139	V30AE001150	—	X
	V30AE001141	V30AE001152	—	X
	V30AE001143	V30AE001154	—	X

Wiring Accessories – Crimping Tools

Crimping Tools Overview

Our high-quality industrial crimping tools are designed to crimp a wide range of insulated and non-insulated crimping terminals, ferrules, and connectors. They feature ergonomic handles and controlled-cycle ratcheting mechanisms to guarantee a uniform crimp every time. Choose from fixed or interchangeable die tools or tool/die sets with multiple dies.

Interchangeable-Die Crimping Tools

Part #	Description *	Qty	Price
DN-CT-HDL	Crimping tool handle for DN-CT-Dx dies (dies NOT included) Approximate dimensions: 9.75 x 2.52 x 0.95 in (234 x 64 x 24 mm); 16.2 oz (460g)	1	$68.00
DN-CT-D1	Die set for DN-CT-HDL; 26-22 & 12-10 AWG (0.1-0.4 & 4-6 mm^2) green & yellow insulated terminals	1	$77.50
DN-CT-D2	Die set forDN-CT-HDL; 22-14 AWG (0.5-2.5 mm^2) red & blue insulated terminals	1	$77.00
DN-CT-D3	Die set for DN-CT-HDL; 22-10 AWG (0.5-6 mm^2) non-insulated terminals	1	$67.00
DN-CT-D4	Die set for DN-CT-HDL; 24-8 AWG (0.25-10 mm^2) wire ferrules	1	$67.00
DN-CT-D5	Die set for DN-CT-HDL; 6-4 AWG (16-25 mm^2) wire ferrules	1	$67.00
DN-CT-D6	Die set for DN-CT-HDL; 2-1/0 AWG (35-50 mm^2) wire ferrules	1	$67.00
DN-CT-D7	Die set for DN-CT-HDL; 22-10 AWG (0.5-6 mm^2) open barrel non-insulated terminals	1	$105.00
DN-CT-D8	Die set for DN-CT-HDL; 8-pin (RJ45) modular plugs	1	$67.00
DN-CT-D9	Die set for DN-CT-HDL; 6-pin (RJ11/RJ12) modular plugs	1	$67.00
DN-CT-SET	Crimping tool modular system; includes handle and three die sets (DN-CT-HDL + DN-CT-D2 + DN-CT-D4 + DN-CT-D5) The die pairs are held together for easy handling, and interchange without separate tools.	1	$200.00

*** The DN-CT-xx series features a crimping tool with multiple interchangeable dies separately available. The die pairs are held together for easy handling, and can be interchanged without separate tools.**



DN-CT-HDL
Crimping Tool



DN-CT-SET
Crimping Tool & Die Set

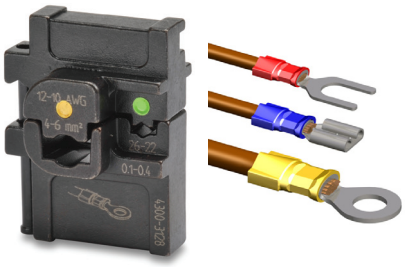
Wiring Accessories – Crimping Tool

DN-CT-Dx Interchangeable Crimping Dies (for DN-CT-xxx crimping tool only)

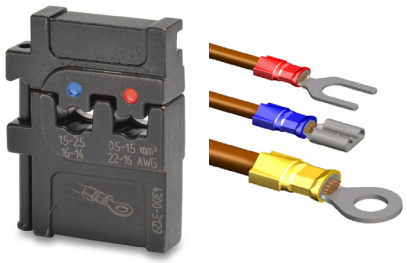
These dies are held together for easy handling, and can be interchanged without additional tools.
All DN-CT-Dx dies have been tested on leading brands of connectors to ensure quality connections.
Dies come in modular holders that can be connected together when not in use.



DN-CT-Dx die & holder



DN-CT-D1 (4300-3128)
Insulated Terminals & Connectors
26–22 AWG & 12–10 AWG
[Green & Yellow] (0.1–0.4 & 4–6 mm²)



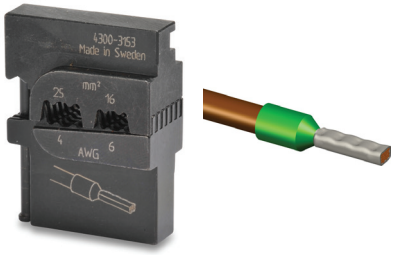
DN-CT-D2 (4300-3129)
Insulated Terminals & Connectors
22–14 AWG
[Red & Blue] (0.5–2.5 mm²)



DN-CT-D3 (4300-3142)
Non-Insulated Terminals & Connectors
22–10 AWG (0.5–6 mm²)



DN-CT-D4 (4300-3127)
Wire Ferrules
24–8 AWG (0.25–10 mm²)



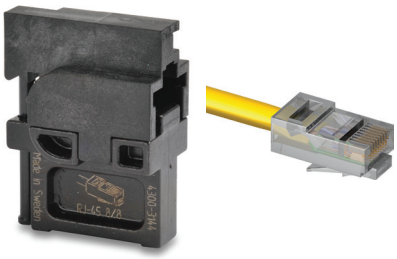
DN-CT-D5 (4300-3153)
Wire Ferrules
6–4 AWG (16–25 mm²)



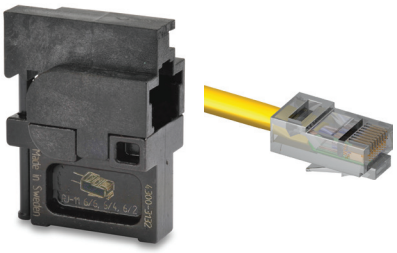
DN-CT-D6 (4300-3154)
Wire Ferrules
2–1/0 AWG (35–50 mm2)



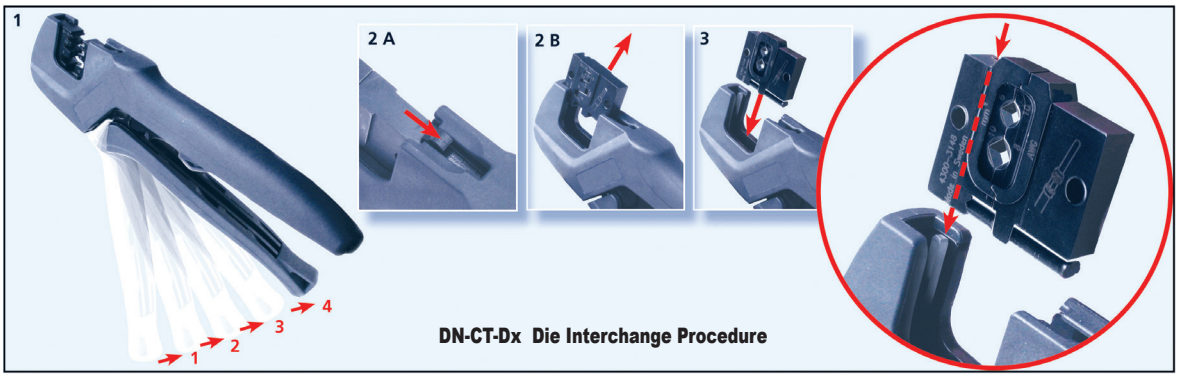
DN-CT-D7 (4300-3146)
Non-Insulated Open-Barrel Terminals
22–10 AWG (0.5–6 mm²)



DN-CT-D8 (4300-3144)
8-pin Modular Plugs
RJ45



DN-CT-D9 (4300-3132)
6-pin Modular Plugs
RJ11/RJ12



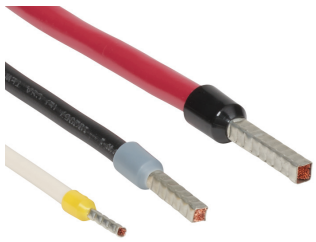
DN-CT-Dx Die Interchange Procedure

Wiring Accessories – Self-Adjusting Crimping Tools

Lightweight, compact, comfortable and self-adjusting tool for crimping ferrules/wire end sleeves.

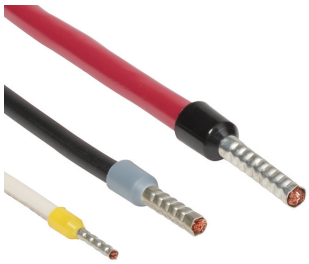


Square
DN-FE-16S





Hexagonal
DN-FE-16H



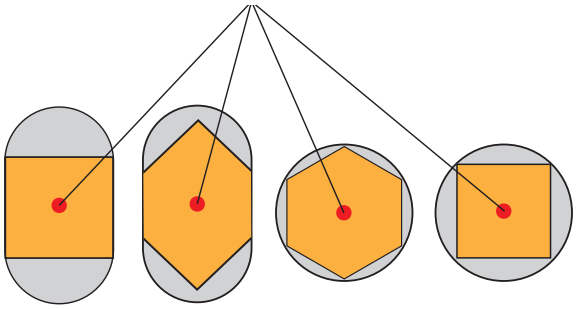
Features

- Ratchet (with emergency release) to ensure crimps are completed according to specification
- Well-balanced to avoid slipping out of the hand
- Non-slip grip pad for applying pressure against a surface
- Ergonomically shaped handles with hardness and surface textures selected for comfortable frequent use
- Low handle force for larger ferrule sizes
- Compact and light-weight design for easy access within confined spaces
- Hole for attaching a safety strap
- Square or Hexagonal crimp profile

Self-Adjusting Crimping Tools		
Part Number	***Description***	***Price***
DN-FE-16S	Wire crimping tool, self-adjusting, square profile, 26 to 8 AWG capacity. For use with insulated and non-insulated wire ferrules.	$276.00
DN-FE-16H	Wire crimping tool, self-adjusting, hexagonal profile, 26 to 8 AWG capacity. For use with insulated and non-insulated wire ferrules.	$276.00

Self-Adjusting Crimping Tools Specifications	
Connectors	Insulated and non-insulated ferrules/wire end sleeves
Capacity	0.14 - 10.0 mm^2/AWG 26-8
Crimp Length	Up to 0.47 in [12mm]
Crimp Profile	DN-FE-16S: Square DN-FE-16H: Hexagonal
Lifespan	Tested to 50,000 cycles
Length	6.93 in [176mm]
Width	1.02 in [26mm]
Height	2.44 in [62mm]
Handle spread (closed)	1.81 in [46mm]
Handle spread (open)	5.59 in [142mm]
Weight	Square: 0.80 lb [362g] Hexagonal: 0.81 lb [371g]

The finished square and hexagonal crimps have the same cross-sectional area. Choosing between the square and hexagonal crimp tools depends on the shape of the hole where the wire will be inserted. Square crimps fit better in rectangular holes while hexagonal crimps fit better in round holes.



Wiring Accessories – Self-Adjusting Crimping Tool with Rotatable Die

Lightweight, compact, comfortable and self-adjusting tool for crimping ferrules/wire end sleeves



DN-FE-16T



DN-CT-SQ1

Features

- Rotatable die for front or side crimping
- Ratchet (with emergency release) to ensure crimps are completed according to specification
- Well-balanced to avoid slipping out of the hand
- Non-slip grip pad for applying pressure against a surface
- Ergonomically shaped handles with hardness and surface textures selected for comfortable frequent use
- Low handle force for larger ferrule sizes
- Compact and light-weight design for easy access within confined spaces
- Hole for attaching a safety strap
- Trapezoidal and square crimp profiles available



DN-FE-16T in Side Crimp Setting



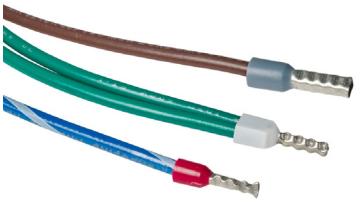
DN-CT-SQ1 in Side Crimp Setting



DN-FE-16T in Front Crimp Setting

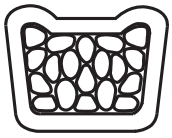


DN-CT-SQ1 in Front Crimp Setting

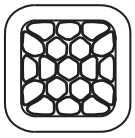


Self-Adjusting Crimping Tools		
Part Number	***Description***	***Price***
DN-FE-16T	Wire crimping tool, self-adjusting, rotatable die, trapezoidal profile, 26 to 8 AWG capacity. For use with insulated and non-insulated wire ferrules.	$276.00
DN-CT-SQ1	AutomationDirect wire crimping tool, self-adjusting, rotatable die, square profile, 26-6 AWG capacity, compatible with insulated and non-insulated wire ferrules.	$232.00

Self-Adjusting Crimping Tool with Rotatable Die Specifications		
Part Number	***DN-FE-16T***	***DN-CT-SQ1***
Connectors	Insulated and non-insulated ferrules/wire end sleeves	Insulated and non-insulated ferrules/ wire end sleeves
Capacity	0.14 - 10.0 mm^2 / AWG 26-8	0.14 - 16.0 mm^2 / AWG 26-6
Crimp Length	Up to 0.47 in [12mm]	Up to 0.39 in [10mm]
Crimp Profile	Trapezoidal	Square
Lifespan	Tested to 50,000 cycles	
Length	7.09 in [180mm]	6.93 in [176mm]
Width	1.02 in [26mm]	1.02 in [26mm]
Height	2.56 in [65mm]	2in [62mm]
Handle spread (closed)	1.81 in [46mm]	
Handle spread (open)	5.31 in [135mm]	
Weight	0.66 lb [300g]	0.79 lb [362g]



DN-FE-16T Trapezoidal Crimp Profile



DN-CT-SQ1 Square Crimp Profile

Wire Crimping Tools

The DN-CT-TC series crimping tools are designed for insulated and non-insulated wire ferrules according to DIN 46228, ranging from AWG 24 to AWG 0.

- High-strength, through hardened alloy steel construction
- Unique mechanism significantly reduces hand force requirement over competing crimping tools
- Versatile and easy to customize for right hand or left hand users.
- Non-slip pad holds tool in place when leveraging on a work surface
- Full cycle crimp mechanism to ensure consistent, reliable crimp
- Ratchet release mechanism to clear miscrimps and obstructions
- Precision eccentric adjustment for consistent performance and ability to calibrate
- Hole in handle allows attachment of safety strap
- Each tool has a unique serial number for traceability



DN-CT-TC1



DN-CT-TC2



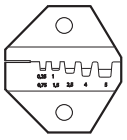
DN-CT-TC3

End Sleeve Ferrule Connector Crimping Tool

Part Number	Description	Price
DN-CT-TC1	AutomationDirect wire crimping tool, trapezoidal profile, 24-10 AWG capacity, compatible with insulated and non-insulated wire ferrules.	$258.00
DN-CT-TC2	AutomationDirect wire crimping tool, trapezoidal profile, 6-4 AWG capacity, compatible with insulated and non-insulated wire ferrules.	$258.00
DN-CT-TC3	AutomationDirect wire crimping tool, trapezoidal profile, AWG 2 or AWG 0 capacity, compatible with insulated and non-insulated wire ferrules.	$258.00

End Sleeve Ferrule Connector Crimping Tool Specifications

Part Number	DN-CT-TC1	DN-CT-TC2	DN-CT-TC3
Length	8in [204mm]	10.08 in [256mm]	
Width	0.87 in [22mm]		
Height	2.99 in [76mm]	3.15 in [80mm]	
Weight	1.11 lb [505g]	1.26 lb [570g]	
Capacity	0.5 - 6 mm^2 / AWG 22-10	10 - 25 mm^2 / AWG 6-4	35 - 50 mm^2 / AWG 2-0
Crimp Profile	Trapezoidal	Trapezoidal	Trapezoidal
Crimp Dimensions	AWG 24-20/AWG 18-16/AWG 14/AWG 12/AWG 10 [0,25-0,75 mm2/1-1,5 mm2/2,5 mm^2 /4 mm2/6 mm^2]	(AWG 5)/AWG 6/AWG 4 [10 mm2/16 mm2/25 mm^2]	AWG 2/AWG 0 [35 mm2/50 mm^2]
Connector	Insulated and non-insulated wire ferrules		
Lifespan	Tested to 50,000 cycles		

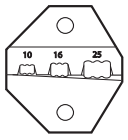


Die Profile

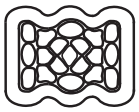


Crimp Profile

DN-CT-TC1

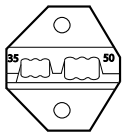


Die Profile

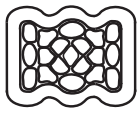


Crimp Profile

DN-CT-TC2



Die Profile



Crimp Profile

DN-CT-TC3

Insulated Connector Crimping Tool

The DN-CT-RBY series crimping tools are for insulated connectors, available up to AWG10, side feeded, Oval-Crimp.

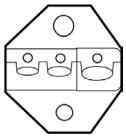
- High-strength, through hardened alloy steel construction
- Unique mechanism significantly reduces hand force requirement over competing crimping tools
- Versatile and easy to customize for right hand or left hand users.
- Non-slip pad holds tool in place when leveraging on a work surface
- Full cycle crimp mechanism to ensure consistent, reliable crimp
- Ratchet release mechanism to clear miscrimps and obstructions
- Precision eccentric adjustment for consistent performance and ability to calibrate
- Hole in handle allows attachment of safety strap
- Each tool has a unique serial number for traceability



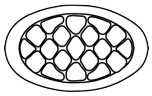
DN-CT-RBY

Insulated Connector Crimping Tool		
Part Number	***Description***	***Price***
DN-CT-RBY	AutomationDirect wire crimping tool, oval profile, 20-10 AWG capacity, compatible with insulated connectors.	$226.00

Insulated Connector Crimping Tool Specifications	
Length	10.08 in [256mm]
Width	0.87 in [22mm]
Height	3.15 in [80mm]
Weight	1.23 lb [559g]
Capacity	0.5 - 6 mm^2 / AWG 20-10
Crimp Profile	Oval
Crimp Dimensions	AWG 20 - AWG 16/AWG 16 - AWG 14/AWG 12 - AWG 1 [0.5 - 1.5 mm2 (red)/1.5 - 2.5 mm2 (blue)/4 - 6 mm^2 (yellow)]
Connector	Insulated connectors
Lifespan	Tested to 50,000 cycles



Die Profile



Crimp Profile

DN-CT-RBY

Non-Insulated Connector Crimping Tool

The DN-CT-ID1 series crimping tools are for non-insulated connectors, available up to AWG4, side feeded, Indent-Crimp. For connectors to DIN 46234.

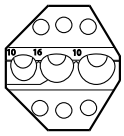
- High-strength, through hardened alloy steel construction
- Unique mechanism significantly reduces hand force requirement over competing crimping tools
- Versatile and easy to customize for right hand or left hand users.
- Non-slip pad holds tool in place when leveraging on a work surface
- Full cycle crimp mechanism to ensure consistent, reliable crimp
- Ratchet release mechanism to clear miscrimps and obstructions
- Precision eccentric adjustment for consistent performance and ability to calibrate
- Hole in handle allows attachment of safety strap
- Each tool has a unique serial number for traceability

Non-Insulated Connector Crimping Tool		
Part Number	***Description***	***Price***
DN-CT-ID1	AutomationDirect wire crimping tool, indent profile, 8-4 AWG capacity, compatible with non-insulated connectors.	$300.00

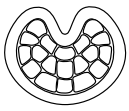
Non-Insulated Connector Crimping Tool Specifications	
Length	10.08 in [256mm]
Width	0.87 in [22mm]
Height	3.15 in [80mm]
Weight	1.23 lb [559g]
Capacity	10 - 25 mm^2 / AWG 8-4
Crimp Profile	Indent
Crimp Dimensions	AWG 8/AWG 6/AWG 4 [10 mm2/16 mm^2/25 mm^2
Connector	Non-insulated connectors
Lifespan	Tested to 50,000 cycles



DN-CT-ID1



Die Profile



Crimp Profile

DN-CT-ID1

Wiring Accessories – Cutting & Stripping Tools

Wire Cutting and Stripping Tools

Self-Adjusting Cut and Strip Tools

- Widest stripping capacity of any tool of its type
- Pistol grip option (DN-WS-PG) provides stress free comfort, particularly when operating parallel to a table or workbench
- Easily interchangeable stripping cassettes are available for stripping a wide range of most modern insulation types, from PVC to PTFE; color coded by stripping blade type
- No additional tools required to change stripping blade cassettes
- Precise adjustability allows stripping of various insulation thicknesses without damage to conductors
- Easy snag-free wire removal after stripping
- Ergonomic design with soft-grip handle
- Light weight and strong; molded in high-strength plastic with twice the strength of standard nylon; tested 150k cycles
- Cutting capacity:
  Stranded conductors to 8AWG (10 mm²)
  Solid conductors to 16 AWG (1.5 mm²[2])



DN-WS Cutting & Stripping Tool

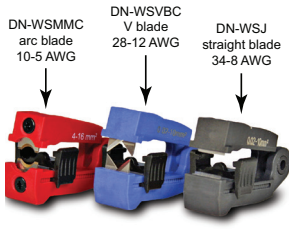
DN-WS-PG Cutting & Stripping Tool



DN-WS stripping blade replacement



DN-WSRJ



DN-WSxxx
Blade inserts color coded by type



DN-WS wire cutting

Wire Cutting and Stripping Tools			
Part Number	***Description***	***Qty***	***Price***
DN-WS	AutomationDirect automatic cutting and stripping tool, standard grip, self-adjusting, AWG 34-8 capacity. DN-WSJ blade insert included.	1	$81.00
DN-WS-PG	AutomationDirect automatic cutting and stripping tool, pistol grip, self-adjusting, AWG 34-8 capacity. DN-WSJ blade insert included.	1	$128.00
DN-WSJ	DN-WS and DN-WS-PG replacement straight-blade insert; for PVC insulations; 34-8 AWG [0.02-10 mm²]	1	$30.00
DN-WSMMC	DN-WS and DN-WS-PG 16 mm2 blade insert; 10-5 AWG [4-16 mm²]	1	$63.00
DN-WSVBC	DN-WS and DN-WS-PG V-blade insert; for harder insulations such as PTFE & PVC; 28-12 AWG [0.1-4 mm²]	1	$41.00
DN-WSRJ	DN-WS and DN-WS-PG replacement jaw inserts	2	$8.50
DN-CS-1	AutomationDirect heavy duty cable stripping tool, 11/64-1-9/16in capacity.	1	$61.00
DN-CST	AutomationDirect sable stripping tool, 0.1 in (2.5mm) to 0.43 in (11mm) diameter capacity	1	$34.50
DN-CST-BLADE	DN-CST replacement blade	1	$11.00

Wiring Accessories – Cutting & Stripping Tools

Cable Stripping Tool DN-CST

Small, simple, safe, and precise tool for removing insulation from copper and fiber optic audiovisual, data transmission, instrumentation, signal, and telephone cables.

- Precise: 9-position blade height adjustment wheel for fine adjustability and repeatability
- Easy to use: Squeeze the tool together to open the stripping cavity, insert cable, rotate once, and remove tool from cable. Separately pull scrap insulation off of cable.
- Safe: Smooth, rounded, pocketable, and lightweight design; no exposed blades
- Tough: Impact resistant nylon tested to over 50k cycles
- Economical: Replacement blades available
- Cable capacity: Ø 0.1-0.43 in [2.5-11 mm]
- Insulation thickness: Up to 0.04 in [1.0 mm]



DN-CST Precision Stripping Tool
[Squeeze, insert cable, rotate, & remove]

DN-CST-BLADE
Replacement Blade





Precision Stripping Tool
Easily replaceable blade

Cable Stripping Tool DN-CS-1

DN-CS-1 is an adjustable heavy-duty cable stripping tool for all insulation types. Unique features with interchangeable cable retention hooks giving it cable stripping capacity of up to 40 mm/1.57 inch diameter.

- Large capacity: Interchangeable hook feature means that DN-CS-1 can replace two or more similar products in the toolbox.
- Easy to use: Positive locking positions for circular, lengthways and spiral strips.
- The blade automatically returns to its starting position at the end of a strip reducing the possibility of broken blades.
- No special tools are required to change hooks – one replaces the other. The blade height adjustor is almost friction free and is easy to rotate for fine blade height adjustment.
- Safety straps can be fixed to the eyelet at the base of DN-CS-1 to prevent accidental dropping of the tool.
- Ergonomic: The well balanced design features rests for thumb, first and little fingers to ease raising of the cable retention hook.
- Tested to over 100,000 cycles.



DN-CS-1 Cable Stripping Tool
[circular, lengthways, and spiral strips]



Lengthways cable stripping option



Spiral cable stripping option



Circular cable stripping option