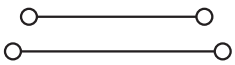
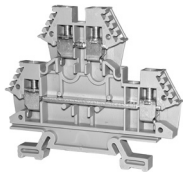
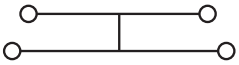
DINnectors® Double-Level Terminal Blocks

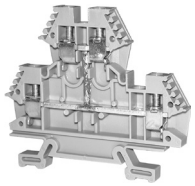
- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC
- DN-D10X-A is supplied with an internal jumper to common all four connection points





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	$155.00	DN-D10X-A	50	$234.00
Blue	DN-D10B-A	50	$162.00			
Black	DN-D10BLK-A	50	$162.00			
Green	DN-D10GRN-A	50	$162.00			
Orange	DN-D10ORG-A	50	$162.00			
Red	DN-D10RED-A	50	$162.00			
Yellow	DN-D10YEL-A	50	$162.00			

Technical Specifications

Stripping Length	10mm [0.39in]			10mm [0.39in]		
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	4 mm²	800V	32A	4 mm²
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	100 kA					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

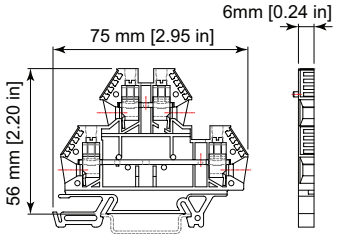
Accessories

End Covers		DN-DEC10	50	$36.50	DN-DEC10	50	$36.50
		DN-DEC10MN	10	$6.75	DN-DEC10MN	10	$6.75
Jumpers**	2-pole	DN-2J4Y	100	$54.00	DN-2J4Y	100	$54.00
		DN-2J4YMN	25	$17.50	DN-2J4YMN	25	$17.50
	3-pole	DN-3J4Y	100	$87.00	DN-3J4Y	100	$87.00
		DN-3J4YMN	25	$25.50	DN-3J4YMN	25	$25.50
	24-pole	DN-24J4Y	5	$34.50	DN-24J4Y	5	$34.50
Jumper Cutting Tool***		DN-J4CUT	1	$102.00	DN-J4CUT	1	$102.00
Top Cover		DN-DC10	100	$70.00	DN-DC10	100	$70.00
		DN-DC10MN	25	$17.00	DN-DC10MN	25	$17.00
Test Plug/Red		DN-TPR	10	$49.50	DN-TPR	10	$49.50
Test Plug/Black		DN-TPB	10	$49.50	DN-TPB	10	$49.50
35mm DIN Rail	7.5mm high	DN-R35S1	10	$42.50	DN-R35S1	10	$42.50
		DN-R35S1-2	2	$9.25	DN-R35S1-2	2	$9.25
	15mm high	DN-R35HS1	10	$71.00	DN-R35HS1	10	$71.00
		DN-R35HS1-2	2	$15.50	DN-R35HS1-2	2	$15.50
End Brackets		DN-EB35	50	$79.00	DN-EB35	50	$79.00
		DN-EB35MN	20	$36.50	DN-EB35MN	20	$36.50
		DN-EB35-A	50	$56.00	DN-EB35-A	50	$56.00
		DN-EB35-A-10	10	$13.50	DN-EB35-A-10	10	$13.50
		DN-QEB35	50	$50.00	DN-QEB35	50	$50.00
		DN-QEB35-10	10	$13.00	DN-QEB35-10	10	$13.00
Angled Support Bracket		DN-ASB1	50	$86.00	DN-ASB1	50	$86.00
Marking Tags		DN-L, DN-LA, DN-LT series, DN-MTA	500/100	various	DN-L, DN-LA, DN-LT series, DN-MTA	500/100	various

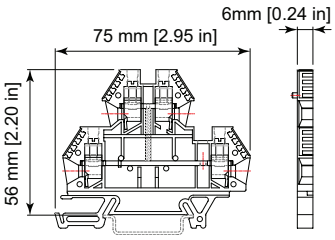
*Copper wire only
**Jumpering and testing should be done on bottom level only for the DN-D10X-A
***Jumper Cutting Tool DN-J4CUT cuts DN-xJ4Y Series multi-pole jumpers and maintains the jumper insulation.

Dimensions

DN-D10-A

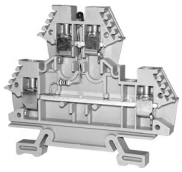


DN-D10X-A

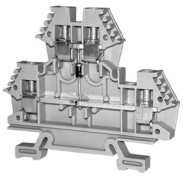


DINnectors® Double-Level Terminal Blocks

- 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	$63.00	DN-D10DR-A	50	$237.00

Technical Specifications

Stripping Length	10mm [0.39in]			10mm [0.39in]		
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	4 mm²	800V	1A (Diode)	4 mm²
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	100 kA					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

Accessories

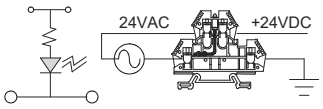
End Covers		DN-DEC10	50	$36.50	DN-DEC10	50	$36.50
		DN-DEC10MN	10	$6.75	DN-DEC10MN	10	$6.75
Jumpers**	2-pole	DN-2J4Y	100	$54.00	DN-2J4Y	100	$54.00
		DN-2J4YMN	25	$17.50	DN-2J4YMN	25	$17.50
	3-pole	DN-3J4Y	100	$87.00	DN-3J4Y	100	$87.00
		DN-3J4YMN	25	$25.50	DN-3J4YMN	25	$25.50
	24-pole	DN-24J4Y	5	$34.50	DN-24J4Y	5	$34.50
Jumper Cutting Tool***		DN-J4CUT	1	$102.00	DN-J4CUT	1	$102.00
Top Cover		DN-DC10	100	$70.00	DN-DC10	100	$70.00
		DN-DC10MN	25	$17.00	DN-DC10MN	25	$17.00
Test Plug/Red		DN-TPR	10	$49.50	DN-TPR	10	$49.50
Test Plug/Black		DN-TPB	10	$49.50	DN-TPB	10	$49.50
35mm DIN Rail	7.5mm high	DN-R35S1	10	$42.50	DN-R35S1	10	$42.50
		DN-R35S1-2	2	$9.25	DN-R35S1-2	2	$9.25
	15mm high	DN-R35HS1	10	$71.00	DN-R35HS1	10	$71.00
		DN-R35HS1-2	2	$15.50	DN-R35HS1-2	2	$15.50
End Brackets		DN-EB35	50	$79.00	DN-EB35	50	$79.00
		DN-EB35MN	20	$36.50	DN-EB35MN	20	$36.50
		DN-EB35-A	50	$56.00	DN-EB35-A	50	$56.00
		DN-EB35-A-10	10	$13.50	DN-EB35-A-10	10	$13.50
		DN-QEB35	50	$50.00	DN-QEB35	50	$50.00
		DN-QEB35-10	10	$13.00	DN-QEB35-10	10	$13.00
Angled Support Bracket		DN-ASB1	50	$86.00	DN-ASB1	50	$86.00
Marking Tags		DN-L, DN-LA, DN-LT series, DN-MTA	500/100	various	DN-L, DN-LA, DN-LT series, DN-MTA	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 DINnectors Accessories later in this section.

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.

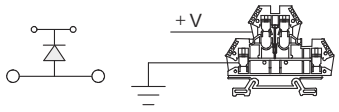
DN-D10LED1-A



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).

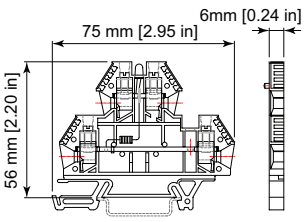
(Please see application note AN-MISC-032 at http://support.automationdirect.com/docs/an-misc-032.pdf)

DN-D10DR-A

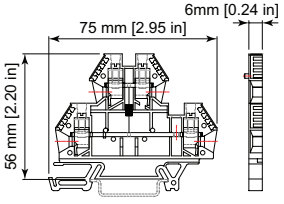


1N4007 Reverse bias diode

DN-D10LED1-A



DN-D10DR-A



DINnectors® Accessories

Marking Tags Cross Reference Chart - Screw-type

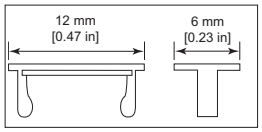
DIN*nector* Marking Tags Cross Reference - Screw-type						
Block Type	***DN-LT***	***DN-L***	***DN-LA***	***DN-LAT***	***DN-EMLBL***	***DN-MTA***
DN-T12-A	X	—	X	—	—	—
DN-T10-A	X	X	X	—	—	X
DN-T8	X	X	X	—	—	X
DN-T6	X	X	X	—	—	—
DN-T4	X	X	X	—	—	—
DN-T1/0	X	X	X	—	—	—
DN-T3/0	X	X	X	—	—	—
DN-D10-A	X	X	X	—	—	X
DN-D10X-A	X	X	X	—	—	X
DN-D10LED1-A	X	X	X	—	—	X
DN-D10DR-A	X	X	X	—	—	X
DN-TL14-A	X	—	–	X	—	—
DN-THERM	X	—	X	—	—	—
DN-EMXM1	X	—	X	—	Use with DN-EMPEG1	—
DN-EMXDV	X	—	X	–	Use with DN-EMPEG1	—
DN-M10-A	X	—	—	—	—	X
DN-MG10	X	—	–	—	—	—
DN-G10	X	X	X	—	—	X
DN-G8	X	X	X	—	—	—
DN-G6	X	X	X	—	—	—
DN-G4	X	X	X	—	—	—
DN-G1/0	X	X	—	—	—	—
DN-F6	X	—	X	—	—	—
DN-F10	X	—	X	—	—	Lever
DN-DIS2	X	—	X	—	—	—
DN-DIS4	X	X	X	—	—	X
DN-FE2	X	—	X	—	—	—
DN-FE4	X	—	X	—	—	X
DN-DIS10	X	—	X	—	—	Lever
DN-KBD12	X	—	X	—	—	—

Continued on next page

Marking Tags

Marking Tags DN-L Series			
Part Number	Marking Sequence	Qty	Price
DN-L50	1-50	500	$66.00
DN-L100	51-100	500	$66.00
DN-L150	101-150	500	$66.00
DN-L200	151-200	500	$66.00
DN-L250	201-250	500	$66.00
DN-L300	251-300	500	$66.00
DN-L350	301-350	500	$66.00
DN-L400	351-400	500	$66.00
DN-L450	401-450	500	$66.00
DN-LB	Blank	500	$45.00
DN-LS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	$66.00

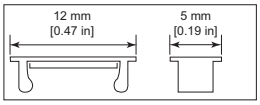
Dimensions



- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fits all DIN*nectors* screw-type, some spring clamp and all end-brackets terminal blocks.
- 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	$66.00
DN-LA200	101-200	500	$66.00
DN-LA300	201-300	500	$66.00
DN-LA400	301-400	500	$66.00
DN-LAB	Blank Tags	500	$66.00
DN-LAS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	$66.00

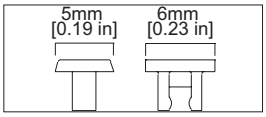
Dimensions



- 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* end-brackets and some screw-type and spring clamp terminal blocks.
- 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	$58.00
DN-LAT200-A	101-200	500	$58.00
DN-LAT300-A	201-300	500	$58.00
DN-LAT400-A	301-400	500	$58.00
DN-LAT500-A	401-500	500	$58.00
DN-LAT600-A	501-600	500	$58.00
DN-LATB-A	Blank Tags	500	$41.50
DN-LATS-A	L1, L2, L3, L, N, +,-, COM,COM*	500	$58.00

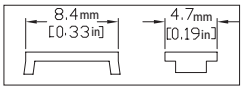
Dimensions



- The marking sequence of 500 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LAT tags fit the DN-TL14 series terminal blocks.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-QL Series			
Part Number	Marking Sequence	Qty	Price
DN-QL100	1-100	500	$50.00
DN-QL200	101-200	500	$50.00
DN-QL300	201-300	500	$50.00
DN-QL400	301.400	500	$50.00
DN-QL500	401-500	500	$50.00
DN-QLB	Blank Tags	500	$42.00
DN-QLS	L1, L2, L3, L, N, +,-, COM,COM*	500	$58.00

Dimensions



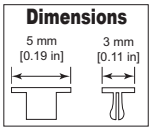
- The marking sequence of 500 (i.e. 1-100) is printed five times in each package of 500.
- The DN-QL tags fit most DIN*nectors* spring clamp terminal blocks.
- Material: Thermoplastic with heat embossed black print.

DINnectors Accessories

Marking Tags continued

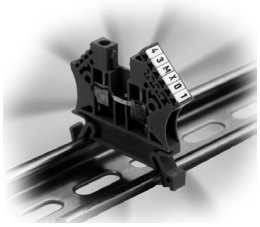
Marking Tags DN-LT Series			
Part Number	Marking Sequence	Qty	Price
DN-LT15	1-5	100	$11.50
DN-LT60	6-0	100	$11.50
DN-LT1	1	100	$11.50
DN-LT2	2	100	$11.50
DN-LT3	3	100	$11.50
DN-LT4	4	100	$11.50
DN-LT5	5	100	$11.50
DN-LT6	6	100	$11.50
DN-LT7	7	100	$11.50
DN-LT8	8	100	$11.50
DN-LT9	9	100	$11.50
DN-LT0	0	100	$11.50
DN-LTBLNK	Unprinted	100	$11.50
DN-LTA	A	100	$11.50
DN-LTB	B	100	$11.50
DN-LTC	C	100	$11.50
DN-LTD	D	100	$11.50
DN-LTE	E	100	$11.50
DN-LTF	F	100	$11.50
DN-LTG	G	100	$11.50
DN-LTH	H	100	$11.50
DN-LTI	I	100	$11.50
DN-LTJ	J	100	$11.50
DN-LTK	K	100	$11.50
DN-LTL	L	100	$11.50
DN-LTM	M	100	$11.50
DN-LTN	N	100	$11.50
–	–	–	–
DN-LTP	P	100	$11.50
DN-LTQ	Q	100	$11.50
DN-LTR	R	100	$11.50
DN-LTS	S	100	$11.50
DN-LTT	T	100	$11.50
DN-LTU	U	100	$11.50
DN-LTV	V	100	$11.50
DN-LTW	W	100	$11.50
DN-LTX	X	100	$11.50
DN-LTY	Y	100	$11.50
DN-LTZ	Z	100	$11.50
DN-LTGND	⏚	100	$11.50
DN-LTPOS	+	100	$11.50
DN-LTNEG	-	100	$11.50
DN-LTAC	~	100	$11.50
DN-LTDC	=	100	$11.50

Dimensions

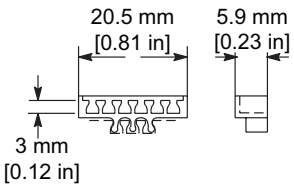


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DIN*nectors* support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

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	$17.50

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	$10.50
DN-EMLBL2	Labels printed 1 – 12		100	$15.50
DN-EMLBL3	Labels printed 13 – 24		100	$15.50

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	$70.00
DN-WM-1	Wire tag holder, clear, 12mm length, 0.051–0.118 in diameter; for 22–16 AWG wire	DN-WMTAG1	200	$15.00
DN-WM-2	Wire tag holder, clear, 12mm length, 0.098–0.196 in diameter; for 16-11 AWG wire		200	$15.00
DN-WM-3	Wire tag holder, clear, 12mm length, 0.157–0.393 in diameter; for 13–5 AWG wire		100	$9.75
DN-WM-4	Wire tag holder, clear, 12mm length, 0.314–0.629 in diameter; for 5AWG wire		100	$9.25

DINnectors

Spring Clamp One-Connection to Two-Connection Terminal Blocks

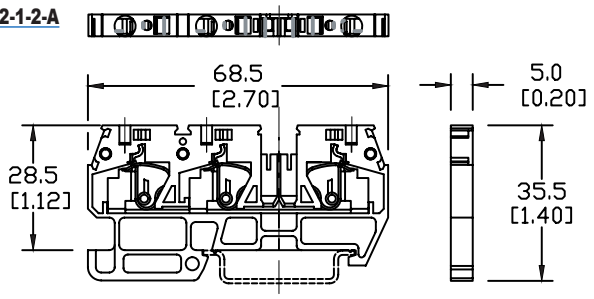
1N4007 Diode Information		
*RMS Reverse Voltage**	*V (Rrms)*	*600V*
Average Rectified Forward Current Single Phase, Resistive Load, 60 Hz	I (O)	1.0A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	30A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0A]	V (F)	1.1V
Maximum Reverse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

* 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



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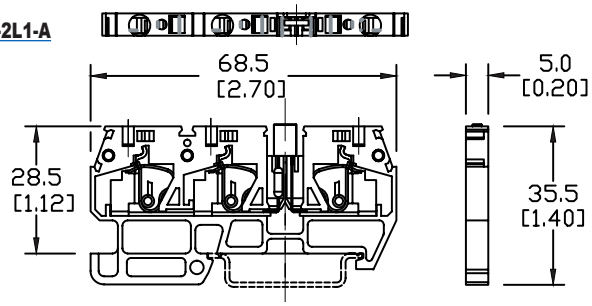

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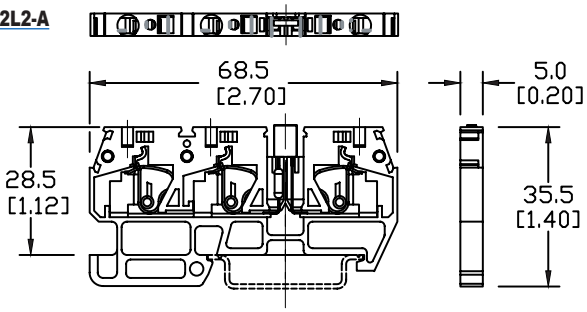
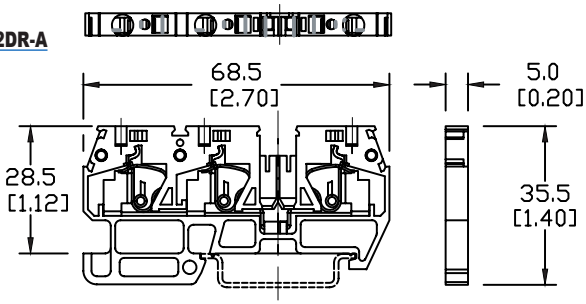
DN-Q12-1-2DR-A