

Screwless Terminal Blocks Overview

Why go screwless?

Screwless clamping technology offers several benefits:

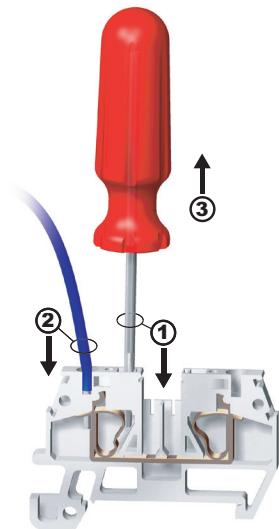
- **Speed:** On average, screwless connections can be made in half the time of screw type connections, cutting installation labor costs in half.
- **Ease:** No need for twisting and turning screws, so screwless terminal blocks are much easier on the installer's hands and arms. Also, wiring from the top 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?

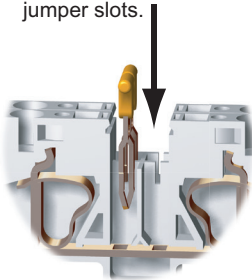
Well, it's pretty simple: Push, Insert, Release. Just push your screwdriver into the spring clamp (a rectangular shaped hole) to open the spring clamp; insert the stripped wire into the clamp (a circular shaped hole), and pull out your screwdriver to release the clamp against the wire. That's it. The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



How do the jumpers work?

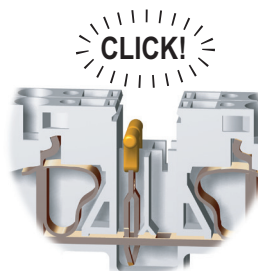
①

Properly align jumper bar with terminal block center jumper slots.

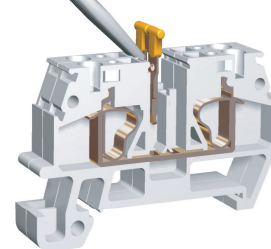


②

Push down until firmly seated.



Removal



Yes



No



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



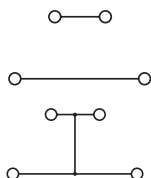
Screwless Double-Level Terminal Blocks

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.

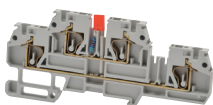


DN-QD12X-A
(Euro QD2.5/35)

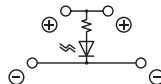


LED version

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.

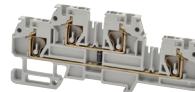


DN-QD12L2-A
(Euro QD2.5/35)

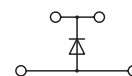


Diode version

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-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	\$61.00	DN-QD12X-A	10	\$41.00	DN-QD12L2-A	10	\$42.00	DN-QD12DR-A	10	\$41.00
Blue Terminal Blk	DN-QD12B-A	25	\$64.00	DN-QD12XB-A	10	\$42.50	-			-		
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

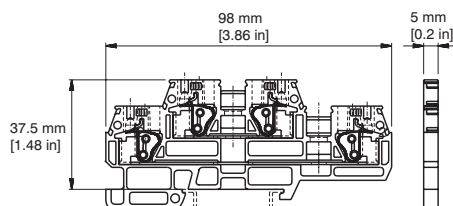
End Covers		DN-QDEC12	25	\$16.50	DN-QDEC12	25	\$16.50	DN-QDEC12	25	\$16.50	DN-QDEC12	25	\$16.50
Jumpers	2-pole	DN-2J2Y	100	\$43.00	DN-2J2Y	100	\$43.00	DN-2J2Y	100	\$43.00	DN-2J2Y	100	\$43.00
		DN-2J2YMN	25	\$13.00	DN-2J2YMN	25	\$13.00	DN-2J2YMN	25	\$13.00	DN-2J2YMN	25	\$13.00
	3-pole	DN-3J2Y	100	\$62.00	DN-3J2Y	100	\$62.00	DN-3J2Y	100	\$62.00	DN-3J2Y	100	\$62.00
		DN-3J2YMN	25	\$18.00	DN-3J2YMN	25	\$18.00	DN-3J2YMN	25	\$18.00	DN-3J2YMN	25	\$18.00
	24-pole	DN-24J2Y	5	\$28.00	DN-24J2Y	5	\$28.00	DN-24J2Y	5	\$28.00	DN-24J2Y	5	\$28.00
Cutting Tool		DN-J2CUT	1	\$79.00	DN-J2CUT	1	\$79.00	DN-J2CUT	1	\$79.00	DN-J2CUT	1	\$79.00
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	\$67.00	DN-EB35	50	\$67.00	DN-EB35	50	\$67.00	DN-EB35	50	\$67.00
		DN-EB35MN	20	\$31.50	DN-EB35MN	20	\$31.50	DN-EB35MN	20	\$31.50	DN-EB35MN	20	\$31.50
		DN-EB35-A	50	\$47.50	DN-EB35-A	50	\$47.50	DN-EB35-A	50	\$47.50	DN-EB35-A	50	\$47.50
		DN-EB35-A-10	10	\$12.00	DN-EB35-A-10	10	\$12.00	DN-EB35-A-10	10	\$12.00	DN-EB35-A-10	10	\$12.00
		DN-QEB35	50	\$42.50	DN-QEB35	50	\$42.50	DN-QEB35	50	\$42.50	DN-QEB35	50	\$42.50
		DN-QEB35-10	10	\$11.50	DN-QEB35-10	10	\$11.50	DN-QEB35-10	10	\$11.50	DN-QEB35-10	10	\$11.50
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 DINnectors 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® Accessories

Jumpers

Multi-pole jumper bars for DINnector terminal blocks



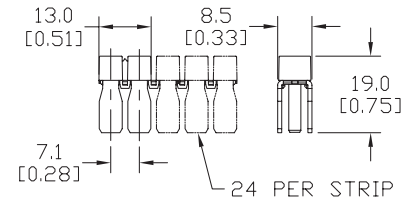
DN-12JL14B-A

Multi-pole Jumper Bars								
Part Number	Qty	Price	# of Poles	Rating		Tightening Torque	Insulation Color	For Use With Terminal Block Series
				(V)	(A)			
Screw-down Connection								
DN-2J6	100	\$76.00	2	600	65	0.5 Nm [4.4 Lb-In]	—	DN-T6
DN-3J6	100	\$132.00	3	600	65		—	
DN-4J6	100	\$169.00	4	600	65		—	
DN-55J6	1	\$26.50	55	600	65		—	
DN-24J8	5	\$41.00	24	600	50	0.6 Nm [5.3 lb-in]	Green	DN-T8
Push-in Connection								
DN-2J2Y	100	\$43.00	2	600	25	—	Orange	DN-T12-A
DN-2J2YMN	25	\$13.00	2	600	25		Orange	DN-EMX
DN-3J2Y	100	\$62.00	3	600	25		Orange	DN-Q12-A
DN-3J2YMN	25	\$18.00	3	600	25		Orange	DN-QD12-A
DN-24J2Y	5	\$28.00	24	600	25		Orange	DN-QEMX
DN-2J4Y	100	\$46.00	2	600	25		Orange	DN-QKBD12-A
DN-2J4YMN	25	\$14.50	2	600	25		Yellow	DN-T10-A DN-D10-A DN-M10-A DN-Q10-A
DN-3J4Y	100	\$74.00	3	600	25		Yellow	
DN-3J4YMN	25	\$22.00	3	600	25		Yellow	
DN-24J4Y	5	\$29.50	24	600	25		Yellow	
DN-2JL14-A	100	\$67.00	2	300	20		Yellow	DN-TL-A
DN-2JL14-AMN	25	\$15.00	2	300	20		Red	
DN-2JL14B-A	100	\$67.00	2	300	20		Red	
DN-2JL14B-AMN	25	\$15.00	2	300	20		Blue	
DN-3JL14-A	100	\$99.00	3	300	20		Blue	
DN-3JL14-AMN	25	\$23.00	3	300	20		Red	
DN-3JL14B-A	100	\$99.00	3	300	20		Red	
DN-3JL14B-AMN	25	\$23.00	3	300	20		Blue	
DN-12JL14-A	10	\$26.50	12	300	20		Blue	
DN-12JL14B-A	10	\$26.50	12	300	20		Red	
DN-12JFE	10	\$60.00	12	300	25		Blue	DN-FE4
DN-2J6Y	100	\$60.00	2	600	30		Green	DN-Q8-A
DN-2J6YMN	25	\$15.00	2	600	30		Green	
DN-3J6Y	100	\$84.00	3	600	30		Green	DN-Q8-A
DN-3J6YMN	25	\$23.50	3	600	30		Green	
DN-12J6Y	10	\$35.50	12	600	30		Green	DN-Q8-A

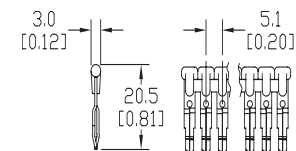
Dimensions

mm [inches]

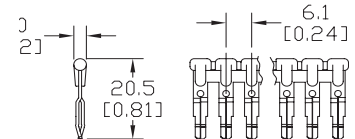
DN-24J8



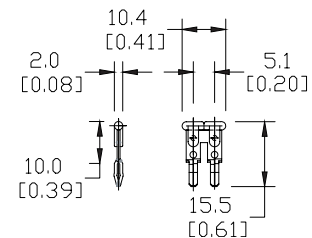
DN-xJ2Y / DN-xJ2YMN



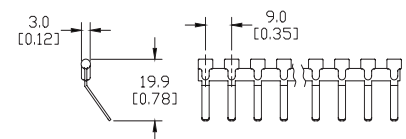
DN-xJ4Y / DN-xJ4YMN



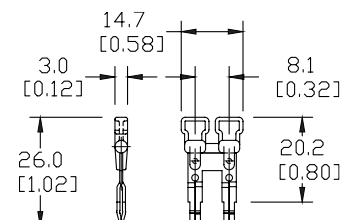
DN-xJL14 / DN-xJL14x-AMN, DN-xJ14x-A



DN-12JFE



DN-xJ6Y / DN-xJ6YMN



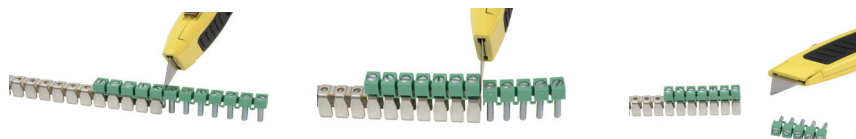
DINnectors® Accessories

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

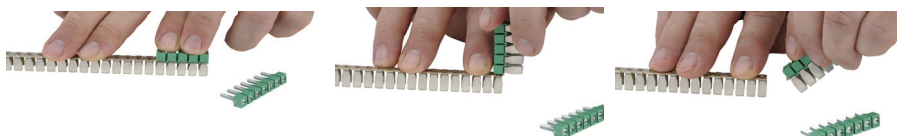
1) Place the insulating part into the jumper bar and insert screws, based on number of poles required.
(For instance, in the following example, 5 poles are required). Click into place.



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
<u>DN-J2CUT</u>	DINnector jumper cutting tool, for use with DN-2J2Y, DN-3J2Y and DN-24J2Y jumpers.	1	\$79.00
<u>DN-J4CUT</u>	DINnector jumper cutting tool, for use with DN-2J4Y, DN-3J4Y and DN-24J4Y jumpers.	1	\$79.00
<u>DN-J6CUT</u>	DINnector jumper cutting tool, for use with DN-12J6Y jumpers.	1	\$118.00
<u>DN-JL14CUT</u>	DINnector jumper cutting tool, for use with DN-12JL 14-A and DN-12JL 14B-A jumpers.	1	\$112.00
<u>DN-JXCUT</u>	DINnector jumper cutting tool, for use with DN-J2DIE, DN-J4DIE, DN-J6DIE, DN-JL14DIE and DN-JFEDIE dies.	1	\$76.00
<u>DN-JFECUT</u>	DINnector jumper cutting tool, for use with DN-12JFE jumpers.	1	\$92.00
<u>DN-JKIT</u>	DINnector 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	\$313.00
<u>DN-TOOL2</u>	DINnector 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	\$11.50



DN-J2CUT



DN-J4CUT



DN-JKIT



DN-TOOL2

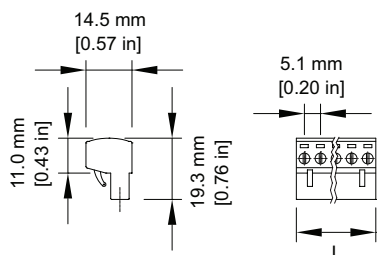
Replacement Dies		
Part Number	Description	Price
<u>DN-J2DIE</u>	DINnector die set, replacement. Package of 2. For use with jumper cutting tools DN-J2CUT or DN-JXCUT.	\$118.00
<u>DN-J4DIE</u>	DINnector die set, replacement. Package of 2. For use with jumper cutting tools DN-J4CUT or DN-JXCUT.	\$118.00
<u>DN-JFEDIE</u>	DINnector die set, replacement. Package of 2. For use with jumper cutting tools DN-JFECUT or DN-JXCUT.	\$92.00
<u>DN-J6DIE</u>	DINnector die set, replacement. Package of 2. For use with jumper cutting tools DN-J6CUT or DN-JXCUT.	\$118.00
<u>DN-JL14DIE</u>	DINnector die set, replacement. Package of 2. For use with jumper cutting tools DN-JL14CUT or DN-JXCUT.	\$118.00

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	\$115.00	DN-2PLUGMN	10	\$7.25	2	10.2 [0.40]
DN-3PLUG	200	\$177.00	DN-3PLUGMN	10	\$11.50	3	15.2 [0.60]
DN-4PLUG	100	\$118.00	DN-4PLUGMN	10	\$14.50	4	20.3 [0.80]
DN-5PLUG	100	\$136.00	DN-5PLUGMN	10	\$18.00	5	25.4 [1.00]
DN-6PLUG	100	\$176.00	DN-6PLUGMN	10	\$18.00	6	30.5 [1.20]
DN-7PLUG	50	\$92.00	DN-7PLUGMN	5	\$14.50	7	35.6 [1.40]
DN-8PLUG	50	\$117.00	DN-8PLUGMN	5	\$14.50	8	40.6 [1.60]
DN-9PLUG	50	\$128.00	DN-9PLUGMN	5	\$15.00	9	45.7 [1.80]
DN-10PLUG	50	\$136.00	DN-10PLUGMN	5	\$17.00	10	50.8 [2.00]
DN-11PLUG	50	\$161.00	DN-11PLUGMN	5	\$19.50	11	55.9 [2.20]
DN-12PLUG	50	\$176.00	DN-12PLUGMN	5	\$20.00	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					

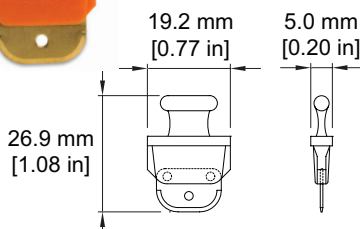
Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

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

Disconnect Blade



DN-DIS-BLADE
DN-DIS-BMN

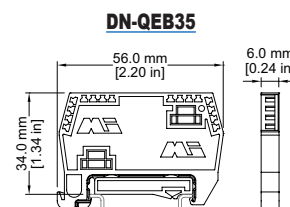
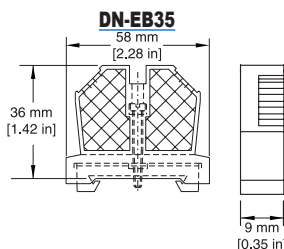
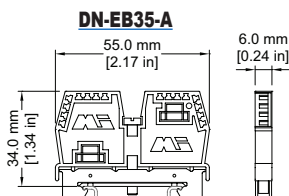
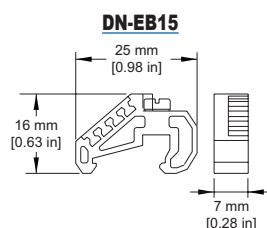


Disconnect Blade			
Part Number	Description	Qty	Price
DN-DIS-BLADE	Terminal block disconnect blade for DN-FE2, DN-FE4, DN-DIS2 and DN-DIS4	50	\$36.00
DN-DIS-BMN		10	\$9.75

End Brackets



End Brackets		
Part Number	Description	Price
DN-EB15	DINnecter snap-on end bracket, 7mm wide. Package of 100. For use with 15mm DIN rail.	\$108.00
DN-EB15MN	DINnecter snap-on end bracket, 7mm wide. Package of 20. For use with 15mm DIN rail.	\$25.50
DN-EB35	DINnecter screw-down end bracket, 9mm wide. Package of 50. For use with 35mm DIN rail.	\$67.00
DN-EB35MN	DINnecter screw-down end bracket, 9mm wide. Package of 20. For use with 35mm DIN rail.	\$31.50
DN-EB35-A	DINnecter screw-down end bracket, 6mm wide. Package of 50. For use with 35mm DIN rail.	\$47.50
DN-EB35-A-10	DINnecter screw-down end bracket, 6mm wide. Package of 10. For use with 35mm DIN rail.	\$12.00
DN-QEB35	DINnecter snap-on end bracket, 6mm wide. Package of 50. For use with 35mm DIN rail.	\$42.50
DN-QEB35-10	DINnecter snap-on end bracket, 6mm wide. Package of 10. For use with 35mm DIN rail.	\$11.50



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
<u>DN-EC1210</u>	DINnector terminal block end cover, gray. Package of 100. For use with DN-T12 or DN-T10 series terminal blocks.	\$43.00
<u>DN-EC1210MN</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-T12 or DN-T10 series terminal blocks.	\$14.50
<u>DN-EC86</u>	DINnector terminal block end cover, gray. Package of 100. For use with DN-T8 or DN-T6 series terminal blocks.	\$47.00
<u>DN-EC86MN</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-T8 or DN-T6 series terminal blocks.	\$14.50
<u>DN-EC4</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-T4 series terminal blocks.	\$29.50
<u>DN-EC4MN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-T4 series terminal blocks.	\$5.75
<u>DN-EC1/0</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-T1/0 series terminal blocks.	\$33.50
<u>DN-EC1/0MN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-T1/0 series terminal blocks.	\$8.00
<u>DN-DEC10</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-D10-A series terminal blocks.	\$31.50
<u>DN-DEC10MN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-D10-A series terminal blocks.	\$6.00
<u>DN-EC14</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-TL14 series terminal blocks.	\$18.00
<u>DN-EC14S</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-TL14S series terminal blocks.	\$15.00
<u>DN-ECM10</u>	DINnector terminal block end cover, gray. Package of 100. For use with DN-M10-A series terminal blocks.	\$43.00
<u>DN-ECM10MN</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-M10-A series terminal blocks.	\$14.50
<u>DN-ECKBD</u>	DINnector terminal block end cover, gray. Package of 100. For use with DN-KBD12 series terminal blocks.	\$43.00
<u>DN-ECKBDMN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-KBD12 series terminal blocks.	\$6.00
<u>DN-EMXM1EC1</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXM1 series terminal block leftside.	\$15.00
<u>DN-EMXM1EC2</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXM1 series terminal block rightside.	\$15.00
<u>DN-EMXDVEC1</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXDV series terminal block leftside.	\$15.00
<u>DN-EMXDVEC2</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-EMXDV series terminal block rightside.	\$15.00
<u>DN-FESEP</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-FE and DN-DIS series terminal blocks.	\$26.50
<u>DN-FESEP-10</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-FE and DN-DIS series terminal blocks.	\$5.25
<u>DN-QEC12</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-Q12-A or DN-QG12 series terminal blocks.	\$21.50
<u>DN-QEC12MN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-Q12-A or DN-QG12 series terminal blocks.	\$5.25
<u>DN-QEC10</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-Q10-A or DN-QG10 series terminal blocks.	\$21.50
<u>DN-QEC10MN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-Q10-A or DN-QG10 series terminal blocks.	\$5.25
<u>DN-QEC8</u>	DINnector terminal block end cover, gray. Package of 50. For use with DN-Q8-A or DN-QG8 series terminal blocks.	\$25.50
<u>DN-QEC8MN</u>	DINnector terminal block end cover, gray. Package of 10. For use with DN-Q8-A or DN-QG8 series terminal blocks.	\$5.75
<u>DN-QEC12-1-2</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-Q12-1-2-A series terminal blocks.	\$15.00
<u>DN-QEC12-2-2</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-Q12-2-2-A series terminal blocks.	\$16.50
<u>DN-QDEC12</u>	DINnector terminal block end cover, gray. Package of 25. For use with DN-QD12 series terminal blocks.	\$16.50

Spacers

Spacers are used to put more space between adjacent blocks.

DINnectors Spacers			
Part Number	Description	Qty	Price
<u>DN-S1210</u>	Spacer for DN-T12-A and DN-T10-A series terminal blocks	100	\$51.00
<u>DN-S1210MN</u>		25	\$16.00
<u>DN-S86</u>	Spacer for DN-T8 and DN-T6 series terminal blocks	100	\$61.00
<u>DN-S86MN</u>		25	\$14.00
<u>DN-EMXM1SPA1</u>	Spacer for DN-EMXM1 and DN-QEMXM1 single-level plug-in terminal blocks	25	\$13.00
<u>DN-EMXDVSPA1</u>	Spacer for DN-EMXDV and DN-QEMXDV double-level plug-in terminal blocks	25	\$14.50
<u>DN-FESPA</u>	Spacer for DN-FE sockets and DN-DIS disconnects	50	\$26.50
<u>DN-FESPA-10</u>		10	\$5.25

Top Covers

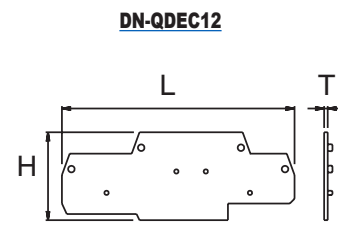
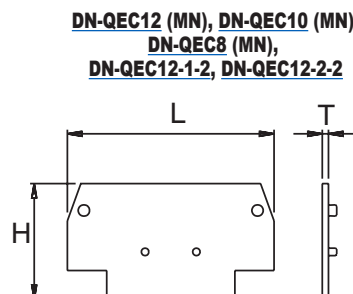
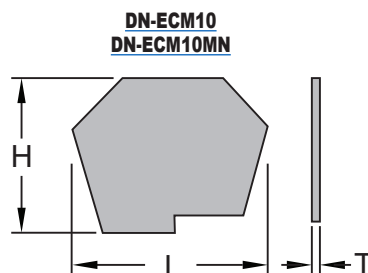
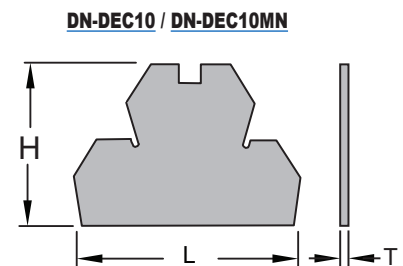
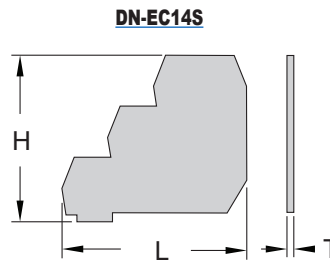
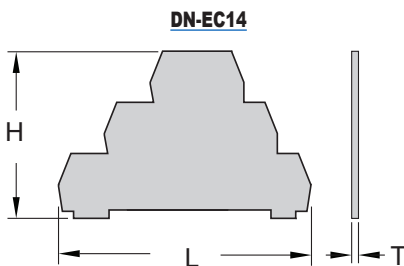
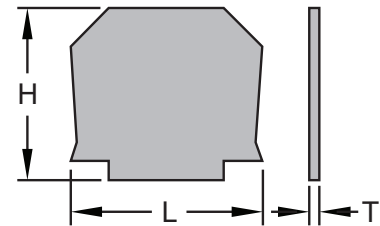
DINnectors Top Covers				
Part Number	Description	For Use With	Qty	Price
<u>DN-C12</u>	Top cover, clear, printed electrical symbol.	<u>DN-T12-A</u>	100	\$62.00
<u>DN-C12MN</u>			25	\$14.00
<u>DN-C10</u>	Top cover, clear, printed electrical symbol.	<u>DN-T10-A</u>	100	\$62.00
<u>DN-C10MN</u>			25	\$14.00
<u>DN-C86</u>	Top cover, clear, printed electrical symbol.	<u>DN-T8</u> <u>DN-T6</u>	100	\$62.00
<u>DN-C86MN</u>			25	\$14.00
<u>DN-DC10</u>	Top cover, clear, printed electrical symbol.	DN-D10	100	\$60.00
<u>DN-DC10MN</u>			25	\$14.00
<u>DN-MC10</u>	Top cover, clear, printed electrical symbol.	DN-M10	100	\$64.00
<u>DN-MC10MN</u>			25	\$14.00

 DINnectors Accessories

DINnector End Covers and Spacers Dimensions

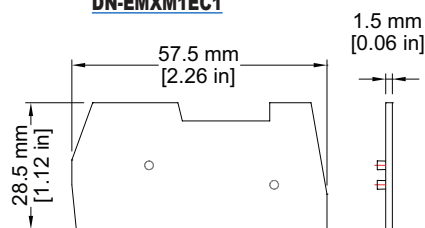
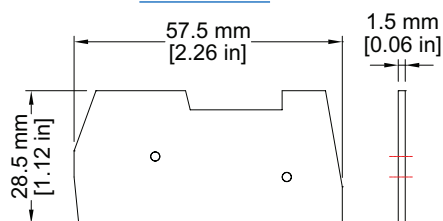
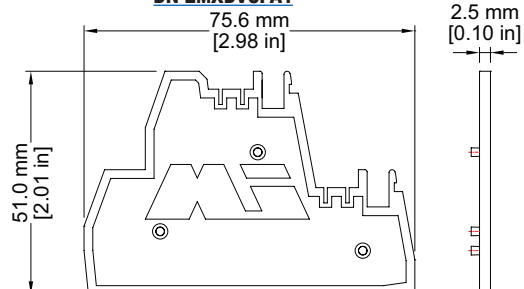
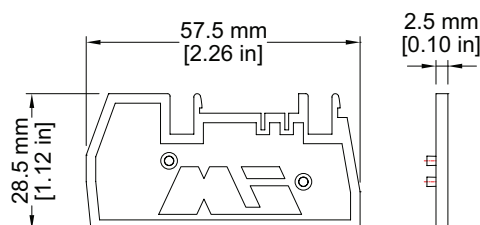
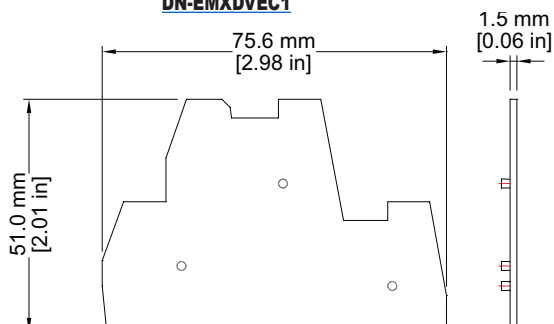
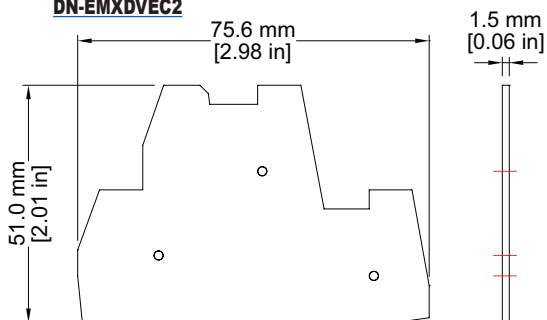
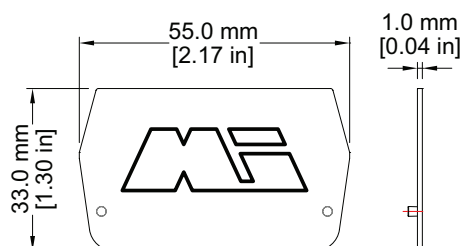
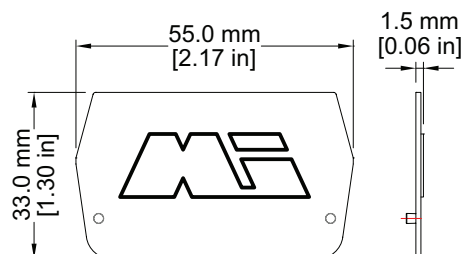
Part Number		Length mm[in]	Height mm [in]	Thickness mm [in]
<u>DN-EC1210</u>	<u>DN-EC1210MN</u>	44 [1.73]	35 [1.38]	1.5 [0.06]
<u>DN-S1210</u>	<u>DN-S1210MN</u>	55 [2.17]	44 [1.73]	
<u>DN-EC86</u>	<u>DN-EC86MN</u>	50 [1.97]	43 [1.69]	
<u>DN-S86</u>	<u>DN-S86MN</u>	55 [2.17]	49 [1.93]	
<u>DN-EC4</u>	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



DINnectors Accessories

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 - Screwless

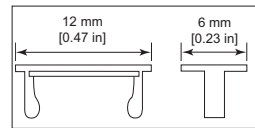
DINnector Marking Tags Cross Reference - Screwless				
<i>Block Type</i>	<i>DN-QL</i>	<i>DN-LA</i>	<i>DN-LT</i>	<i>DN-EMLBL</i>
<i>DN-Q12</i>	X	–	–	–
<i>DN-Q10</i>	X	–	–	–
<i>DN-Q8</i>	X	–	–	–
<i>DN-QD12</i>	X	–	–	–
<i>DN-Q12-1-2</i>	X	–	–	–
<i>DN-Q12-1-2L</i>	X	–	–	–
<i>DN-Q12-1-2D</i>	X	–	–	–
<i>DN-QKBD</i>	X	–	–	–
<i>DN-Q12-2-2</i>	X	–	–	–
<i>DN-Q12-2-2L</i>	X	–	–	–
<i>DN-Q12-2-2D</i>	X	–	–	–
<i><u>DN-QEMXM1</u></i>	–	X	X	X
<i><u>DN-QEMXDV</u></i>	–	X	X	X
<i><u>DN-QG12</u></i>	X	–	–	–
<i><u>DN-QG10</u></i>	X	–	–	–
<i><u>DN-QG8</u></i>	X	–	–	–
<i><u>DN-QG12-1-2</u></i>	X	–	–	–
<i><u>DN-QG12-2-2</u></i>	X	–	–	–

Marking Tags

Marking Tags DN-L Series

Part Number	Marking Sequence	Qty	Price
<u>DN-L50</u>	1-50	500	\$56.00
<u>DN-L100</u>	51-100	500	\$56.00
<u>DN-L150</u>	101-150	500	\$56.00
<u>DN-L200</u>	151-200	500	\$56.00
<u>DN-L250</u>	201-250	500	\$56.00
<u>DN-L300</u>	251-300	500	\$56.00
<u>DN-L350</u>	301-350	500	\$56.00
<u>DN-L400</u>	351-400	500	\$56.00
<u>DN-L450</u>	401-450	500	\$56.00
<u>DN-LB</u>	Blank	500	\$38.00
<u>DN-LS</u>	L1, L2, L3, L, N, GND, +, -, COM, COM*	500	\$56.00

Dimensions

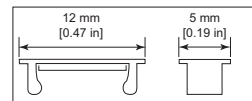


- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fit all DINnectors 6mm wide and wider.
- There will be a gap between tags on blocks wider than 6mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LA Series

Part Number	Marking Sequence	Qty	Price
<u>DN-LA100</u>	1-100	500	\$56.00
<u>DN-LA200</u>	101-200	500	\$56.00
<u>DN-LA300</u>	201-300	500	\$56.00
<u>DN-LA400</u>	301-400	500	\$56.00
<u>DN-LAB</u>	Blank Tags	500	\$56.00
<u>DN-LAS</u>	L1, L2, L3, L, N, GND, +, -, COM, COM*	500	\$56.00

Dimensions

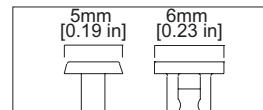


- The marking sequence of 100 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LA tags fit all DINnectors 5mm wide and wider. There will be a gap between tags on blocks wider than 5mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LAT Series

Part Number	Marking Sequence	Qty	Price
<u>DN-LAT100-A</u>	1-100	500	\$49.00
<u>DN-LAT200-A</u>	101-200	500	\$49.00
<u>DN-LAT300-A</u>	201-300	500	\$49.00
<u>DN-LAT400-A</u>	301-400	500	\$49.00
<u>DN-LAT500-A</u>	401-500	500	\$49.00
<u>DN-LAT600-A</u>	501-600	500	\$49.00
<u>DN-LATB-A</u>	Blank Tags	500	\$35.50
<u>DN-LATS-A</u>	L1, L2, L3, L, N, +, -, COM, COM*	500	\$49.00

Dimensions

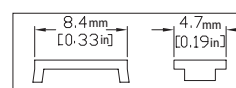


- The marking sequence of 500 tags (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-QL Series

Part Number	Marking Sequence	Qty	Price
<u>DN-QL100</u>	1-100	500	\$42.50
<u>DN-QL200</u>	101-200	500	\$42.50
<u>DN-QL300</u>	201-300	500	\$42.50
<u>DN-QL400</u>	301-400	500	\$42.50
<u>DN-QL500</u>	401-500	500	\$42.50
<u>DN-QLB</u>	Blank Tags	500	\$36.00
<u>DN-QLS</u>	L1, L2, L3, L, N, +, -, COM, COM*	500	\$49.00

Dimensions

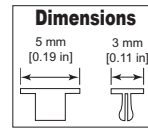


- The marking sequence of 500 (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

DINnectors Accessories

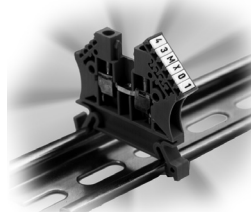
Marking Tags continued

Marking Tags DN-LT Series			
Part Number	Marking Sequence	Qty	Price
DN-LT15	1-5	100	\$10.00
DN-LT60	6-0	100	\$10.00
DN-LT1	1	100	\$10.00
DN-LT2	2	100	\$10.00
DN-LT3	3	100	\$10.00
DN-LT4	4	100	\$10.00
DN-LT5	5	100	\$10.00
DN-LT6	6	100	\$10.00
DN-LT7	7	100	\$10.00
DN-LT8	8	100	\$10.00
DN-LT9	9	100	\$10.00
DN-LT0	0	100	\$10.00
DN-LTBLNK	Unprinted	100	\$10.00
DN-LTA	A	100	\$10.00
DN-LTB	B	100	\$10.00
DN-LTC	C	100	\$10.00
DN-LTD	D	100	\$10.00
DN-LTE	E	100	\$10.00
DN-LTF	F	100	\$10.00
DN-LTG	G	100	\$10.00
DN-LTH	H	100	\$10.00
DN-LTI	I	100	\$10.00
DN-LTJ	J	100	\$10.00
DN-LTK	K	100	\$10.00
DN-LTL	L	100	\$10.00
DN-LTM	M	100	\$10.00
DN-LTN	N	100	\$10.00
-	-	-	-
DN-LTP	P	100	\$10.00
DN-LTQ	Q	100	\$10.00
DN-LTR	R	100	\$10.00
DN-LTS	S	100	\$10.00
DN-LTT	T	100	\$10.00
DN-LTU	U	100	\$10.00
DN-LTV	V	100	\$10.00
DN-LTW	W	100	\$10.00
DN-LTX	X	100	\$10.00
DN-LTY	Y	100	\$10.00
DN-LTZ	Z	100	\$10.00
DN-LTGND	⊕	100	\$10.00
DN-LTPOS	+	100	\$10.00
DN-LTNEG	-	100	\$10.00
DN-LTAC	~	100	\$10.00
DN-LTDC	=	100	\$10.00

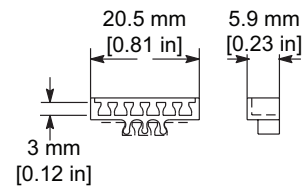


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DINnectors support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

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	\$14.50

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	\$9.25
DN-EMLBL2	Labels printed 1 – 12		100	\$13.00
DN-EMLBL3	Labels printed 13 – 24		100	\$13.00

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	\$60.00
DN-WM-1	Wire tag holder, clear, 12mm length, 0.051–0.118 in diameter; for 22–16 AWG wire	DN-WMTAG1	200	\$12.50
DN-WM-2	Wire tag holder, clear, 12mm length, 0.098–0.196 in diameter; for 16–11 AWG wire		200	\$12.50
DN-WM-3	Wire tag holder, clear, 12mm length, 0.157–0.393 in diameter; for 13–5 AWG wire		100	\$8.25
DN-WM-4	Wire tag holder, clear, 12mm length, 0.314–0.629 in diameter; for 5AWG wire		100	\$7.75

DINnectors Accessories

Steel DIN Rail (One-Meter Length)

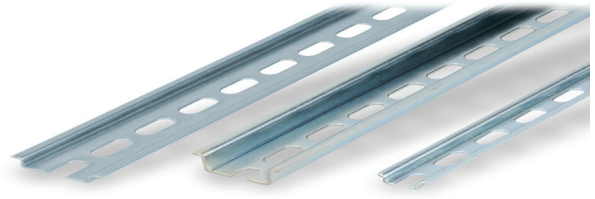
Features

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](#)



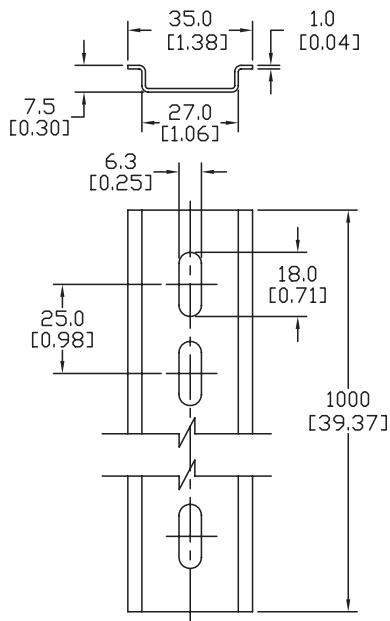
Steel DIN Rails Specifications

	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	DINnector DIN rail, slotted, 35mm width, 7.5mm height, 1m length, plated steel. Package of 10.			DINnector DIN rail, slotted, 35mm width, 15mm height, 1m length, plated steel. Package of 10.			DINnector DIN rail, slotted, 15mm width, 5.5mm height, 1m length, plated steel. Package of 2.		
Plating	Zinc-plated and chromated								
International Standards	EN 60715, RoHs								
Suggested Mounting Screw Type	M6			M6			M4		

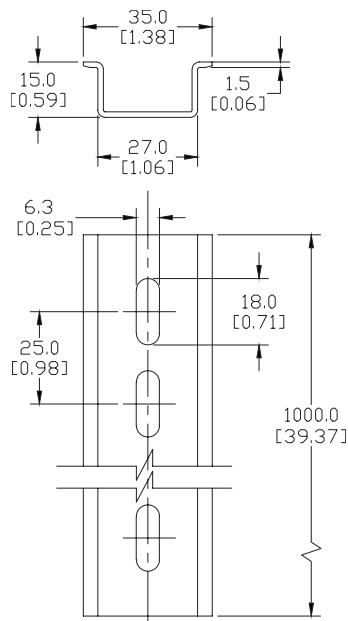
Dimensions

mm [inches]

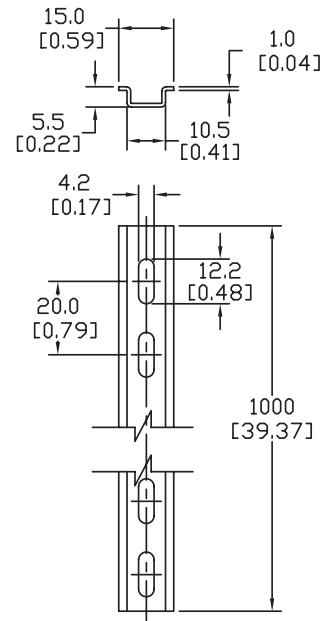
DN-R35S1



DN-R35HS1



DN-R15S1



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DINnectors® Accessories

Aluminum DIN Rail (One-Meter Length)

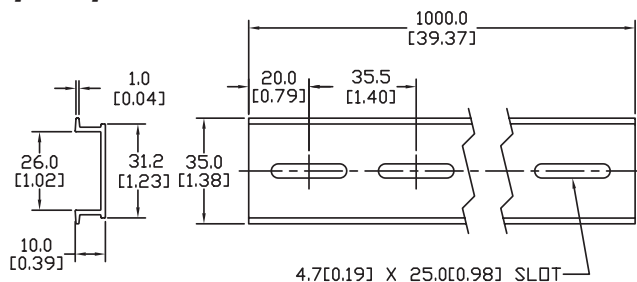
Features

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]

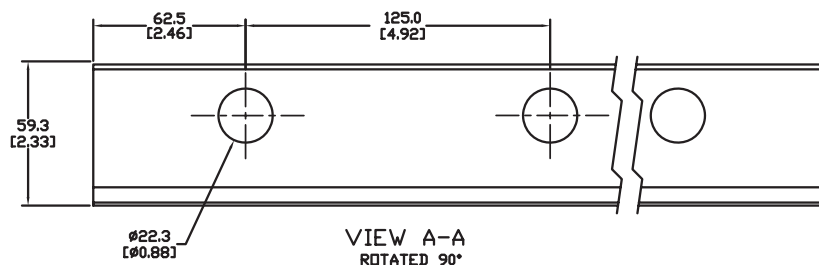


DN-R35SAL1
DN-R35SAL1-2

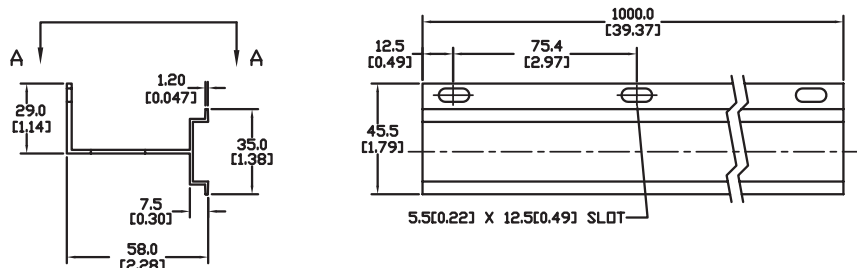
Features

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

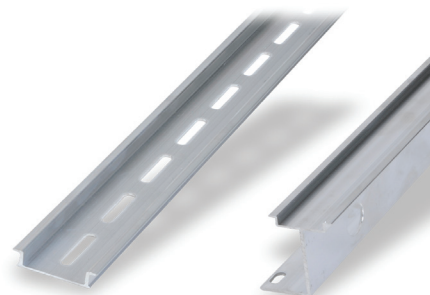


DN-R35SAL2-2



Aluminum DIN Rails Specifications (One-Meter Length)

	Part Number	Qty	Price	Part Number	Qty	Price
DIN Rail	<u>DN-R35SAL1</u>	10	\$60.00	<u>DN-R35SAL2-2</u>	2	\$38.00
	<u>DN-R35SAL1-2</u>	2	\$16.00			
Description	DINnector DIN rail, slotted, 35mm width, 10mm height, 1m length, aluminum. Package of 10.			DINnector DIN rail, slotted, 2in raised 35mm width, 7.5mm height, 1m length, aluminum. Package of 2.		
International Standards	DIN 50960, RoHs					
Suggested Mounting Screw Type	#10-32 or M5					



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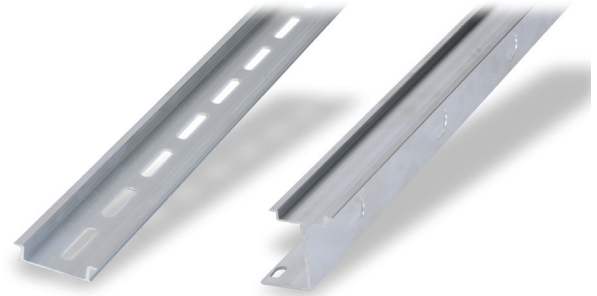
DINnectors® Accessories

Aluminum DIN Rail (Pre-Cut Lengths)

Features

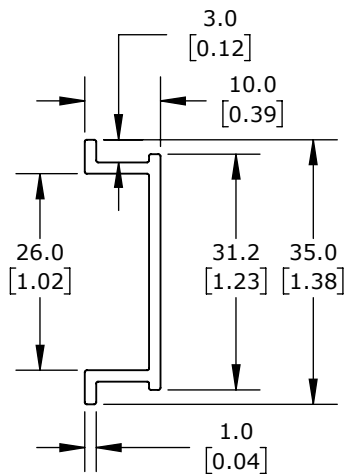
35mm wide

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

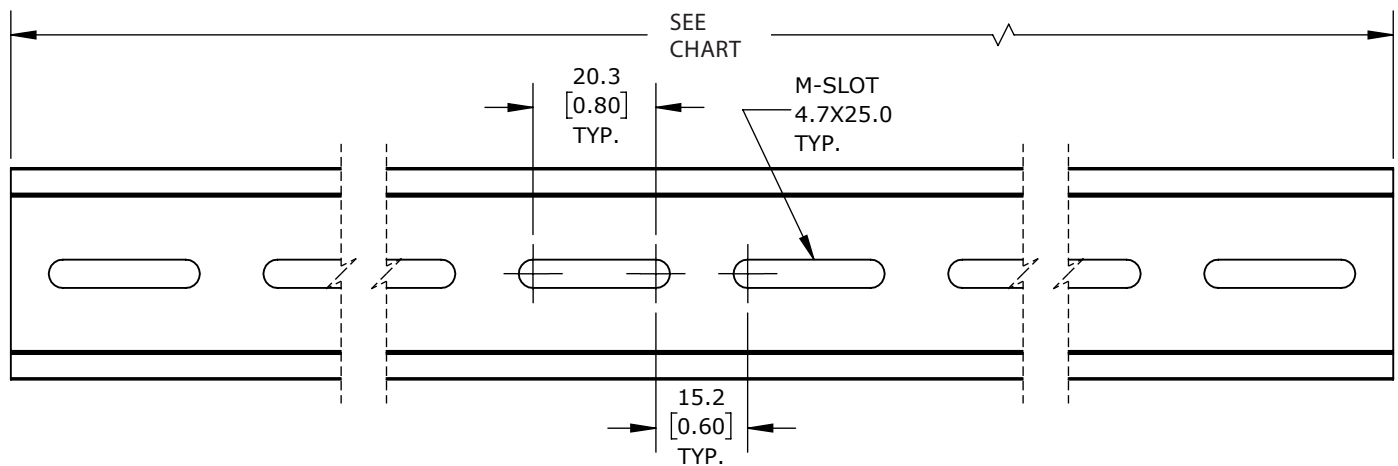


Dimensions

mm [inches]



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



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DINnectors Accessories

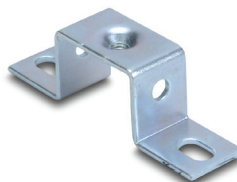
DIN rail support brackets

- 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	\$18.00
DN-SSB25-10	1" (25mm) DIN rail support bracket (M6-1.0 screws included)	10	\$24.50
DN-SSB50-10	2" (50mm) DIN rail support bracket (M6-1.0 screws included)	10	\$25.50
DN-SSB70-10	2.75" (70mm) DIN rail support bracket (M6-1.0 screws included)	10	\$32.00
DN-SSB90-10	3.5" (90mm) DIN rail support bracket (M6-1.0 screws included)	10	\$34.50
DN-CLIP-FM4	DIN rail mounting clip with M4 x 0.7 mm threaded hole (Screws not included)	40	\$66.00
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	\$66.00
DN-CLIP-FM5-5		5	\$9.50

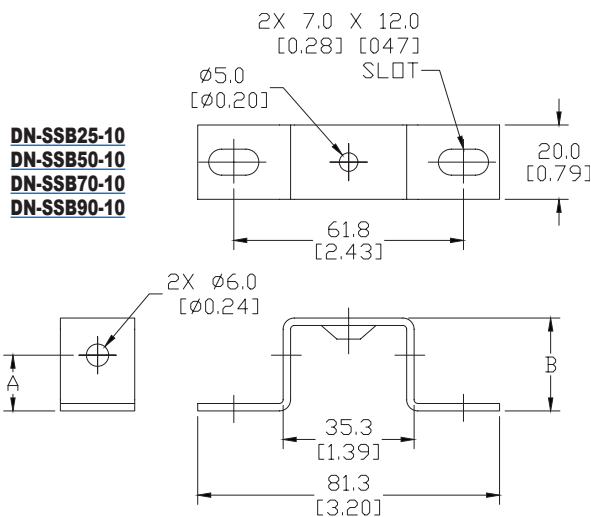
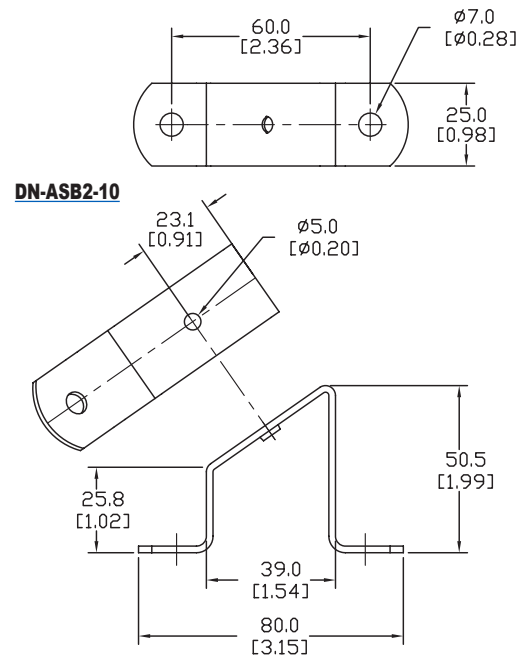
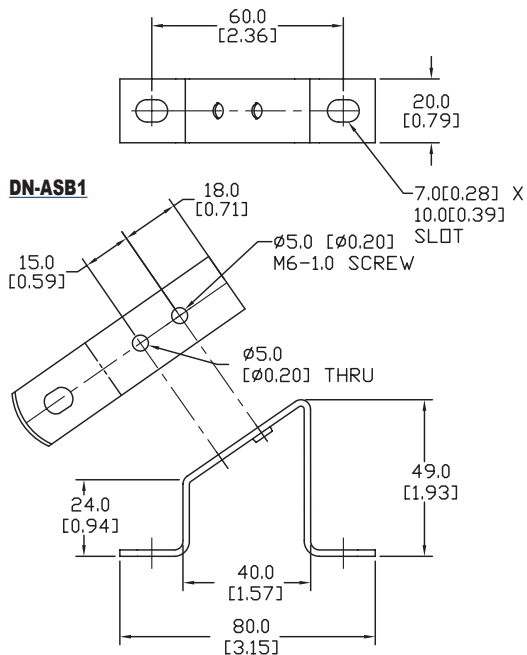
**[DN-ASB1](#)****[DN-ASB2-10](#)****[DN-SSB25-10](#)****[DN-SSB50-10](#)****[DN-SSB70-10](#)****[DN-SSB90-10](#)****[DN-CLIP-FM4](#)
[DN-CLIP-FM4-5](#)****[DN-CLIP-FM5](#)
[DN-CLIP-FM5-5](#)**

DINnectors® Accessories

DIN Rail Support Brackets and Mounting Clips

Dimensions

mm [inches]



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]

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