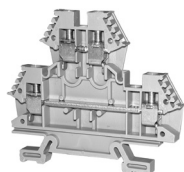
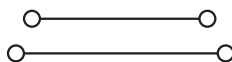


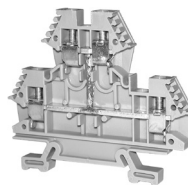
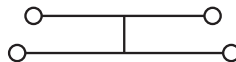


DINnectors® Double-Level Terminal Blocks

- 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	\$132.00	DN-D10X-A	50	\$199.00
Blue	DN-D10B-A	50	\$137.00			
Black	DN-D10BLK-A	50	\$137.00			
Green	DN-D10GRN-A	50	\$137.00			
Orange	DN-D10ORG-A	50	\$137.00			
Red	DN-D10RED-A	50	\$137.00			
Yellow	DN-D10YEL-A	50	\$137.00			

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
CSA 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	\$31.50	DN-DEC10	50	\$31.50
		DN-DEC10MN	10	\$6.00	DN-DEC10MN	10	\$6.00
Jumpers**	2-pole	DN-2J4Y	100	\$46.00	DN-2J4Y	100	\$46.00
		DN-2J4YMN	25	\$14.50	DN-2J4YMN	25	\$14.50
	3-pole	DN-3J4Y	100	\$74.00	DN-3J4Y	100	\$74.00
		DN-3J4YMN	25	\$22.00	DN-3J4YMN	25	\$22.00
	24-pole	DN-24J4Y	5	\$29.50	DN-24J4Y	5	\$29.50
Jumper Cutting Tool***		DN-J4CUT	1	\$79.00	DN-J4CUT	1	\$79.00
		DN-DC10	100	\$60.00	DN-DC10	100	\$60.00
Top Cover		DN-DC10MN	25	\$14.00	DN-DC10MN	25	\$14.00
Test Plug/Red		DN-TPR	10	\$42.00	DN-TPR	10	\$42.00
Test Plug/Black		DN-TPB	10	\$42.00	DN-TPB	10	\$42.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	\$56.00	DN-R35S1	10	\$56.00
		DN-R35S1-2	2	\$14.00	DN-R35S1-2	2	\$14.00
	15mm high	DN-R35HS1	10	\$93.00	DN-R35HS1	10	\$93.00
		DN-R35HS1-2	2	\$23.00	DN-R35HS1-2	2	\$23.00
End Brackets		DN-EB35	50	\$67.00	DN-EB35	50	\$67.00
		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-10	10	\$12.00	DN-EB35-A-10	10	\$12.00
		DN-QEB35	50	\$42.50	DN-QEB35	50	\$42.50
		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
Marking Tags		DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

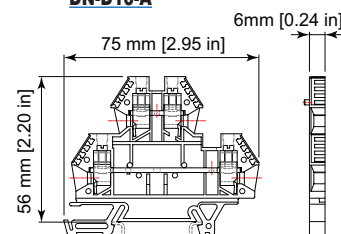
*Copper wire only

**Jumpering and testing should be done on bottom level only for the [DN-D10X-A](#)

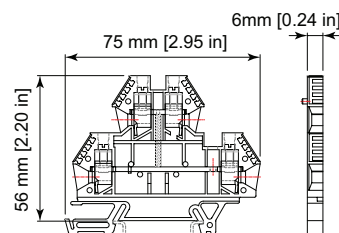
*** Jumper Cutting Tool [DN-J4CUT](#) cuts DN-xJ4Y Series multi-pole jumpers and maintains the jumper insulation.

Dimensions

DN-D10-A



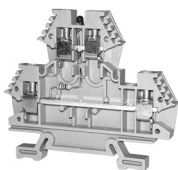
DN-D10X-A



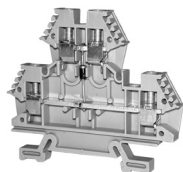


Double-Level Terminal Blocks

- 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	\$54.00	DN-D10DR-A	50	\$202.00

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
CSA Approval	600V	30A	24-10 AWG	600V	1A (Diode)	24-10 AWG
VDE Approval	800V	32A	4mm ²	800V	1A (Diode)	4mm ²
Operating Temperature	Ambient air temperature: -20 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	100kA					
CE Conformity	CE (EN 60947-1 / EN 60947-7-1)					
Agency File #	UL E179129					

Accessories

End Covers		DN-DEC10	50	\$31.50	DN-DEC10	50	\$31.50
		DN-DEC10MN	10	\$6.00	DN-DEC10MN	10	\$6.00
Jumpers**	2-pole	DN-2J4Y	100	\$46.00	DN-2J4Y	100	\$46.00
		DN-2J4YMN	25	\$14.50	DN-2J4YMN	25	\$14.50
	3-pole	DN-3J4Y	100	\$74.00	DN-3J4Y	100	\$74.00
		DN-3J4YMN	25	\$22.00	DN-3J4YMN	25	\$22.00
	24-pole	DN-24J4Y	5	\$29.50	DN-24J4Y	5	\$29.50
Jumper Cutting Tool***		DN-J4CUT	1	\$79.00	DN-J4CUT	1	\$79.00
Top Cover		DN-DC10	100	\$60.00	DN-DC10	100	\$60.00
		DN-DC10MN	25	\$14.00	DN-DC10MN	25	\$14.00
Test Plug/Red		DN-TPR	10	\$42.00	DN-TPR	10	\$42.00
Test Plug/Black		DN-TPB	10	\$42.00	DN-TPB	10	\$42.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	\$56.00	DN-R35S1	10	\$56.00
		DN-R35S1-2	2	\$14.00	DN-R35S1-2	2	\$14.00
	15mm high	DN-R35HS1	10	\$93.00	DN-R35HS1	10	\$93.00
		DN-R35HS1-2	2	\$23.00	DN-R35HS1-2	2	\$23.00
	End Brackets		DN-EB35	50	\$67.00	DN-EB35	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-10			10	\$12.00	DN-EB35-A-10	10	\$12.00
DN-QEB35			50	\$42.50	DN-QEB35	50	\$42.50
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
Marking Tags		DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

*Copper wire only

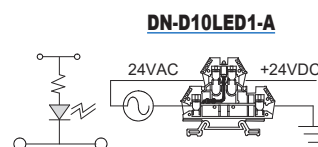
**Jumpering and testing should be done on bottom level only.

***Jumper Cutting Tool DN-J4CUT cuts DN-xJ4Y Series multi-pole jumpers and maintains the jumper insulation.
For more information on accessories, see the DINnectors 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.

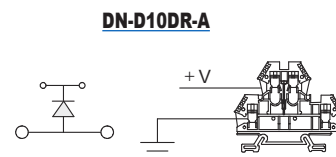


DN-D10LED1-A

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).

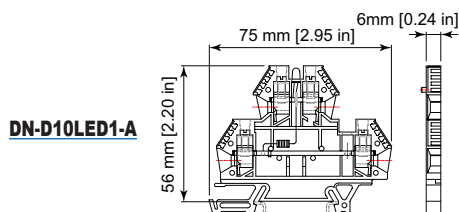
(Please see application note AN-MISC-032 at <http://support.automationdirect.com/docs/an-misc-032.pdf>)



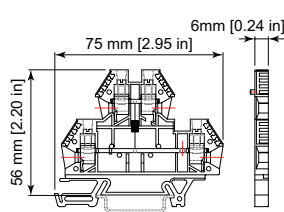
DN-D10DR-A

1N4007 Reverse bias diode

(See Diode information located on page tBTL-60)



DN-D10DR-A



 DINnectors® Accessories

Marking Tags Cross Reference Charts - Screw-type

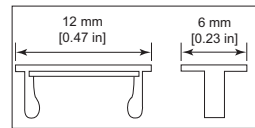
DINector Marking Tags Cross Reference - Screw-type					
<i>Block Type</i>	<i>DN-L</i>	<i>DN-LA</i>	<i>DN-LT</i>	<i>DN-LAT</i>	<i>DN-EMLBL</i>
DN-T12	–	X	X	–	–
DN-T10	X	–	X	–	–
DN-T8	X	–	X	–	–
DN-T6	X	–	X	–	–
DN-T4	X	–	X	–	–
DN-T1/0	X	–	X	–	–
DN-T3/0	X	–	X	–	–
DN-D10	X	–	X	–	–
DN-D10X	X	–	X	–	–
DN-D10LED	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

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

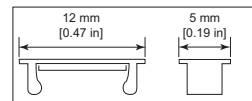
Dimensions



- 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

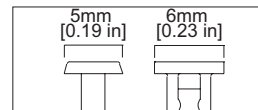
Dimensions



- 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

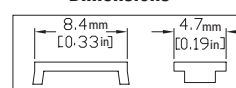
Dimensions



- 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

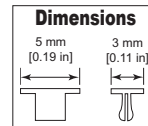


- The marking sequence of 500 (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

DINnectors® Accessories

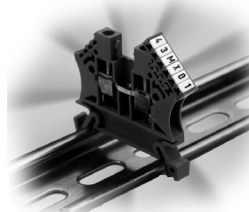
Marking Tags continued

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

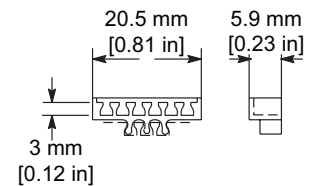


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DINnectors support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

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



Screwless One-Connection to Two-Connection Terminal Blocks

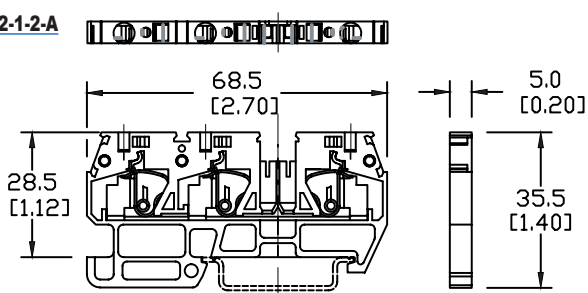
1N4007 Diode Information		
RMS Reverse Voltage*	V (Rrms)	600V
Average Rectified Forward Current Single Phase, Resistive Load, 60Hz	I (O)	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	30A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0 A]	V (F)	1.1 V
Maximum Reverse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

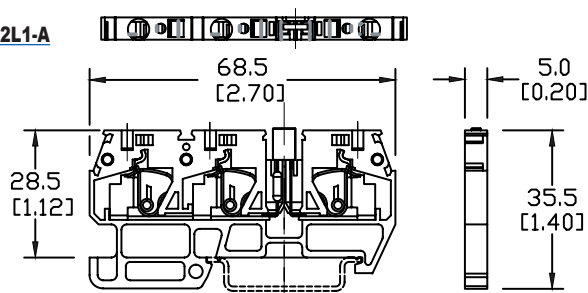
Dimensions

mm [inches]

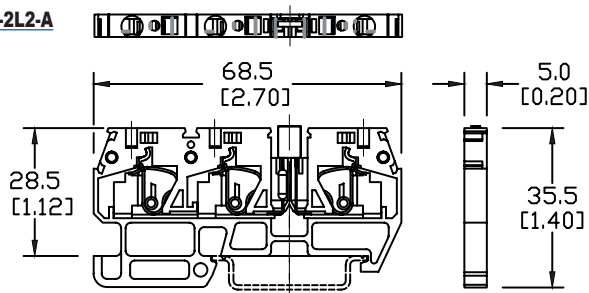
DN-Q12-1-2-A



DN-Q12-1-2L1-A



DN-Q12-1-2L2-A



DN-Q12-1-2DR-A

