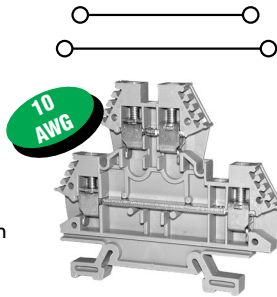
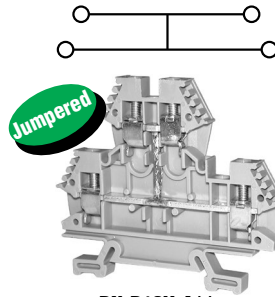


# DINnectors® Double-Level Terminal Blocks

- 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

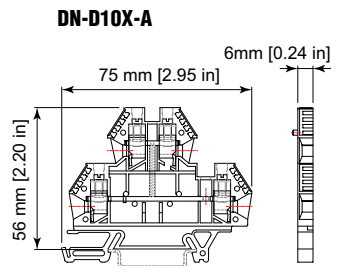
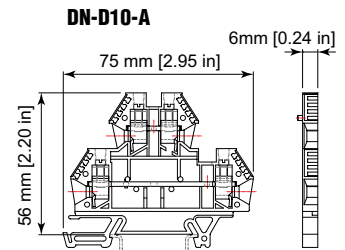


**DN-D10X-A\*\***  
Series: EURO D 4-2/35

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.

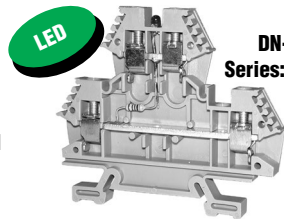
Ordering Information							
Available Colors	Part Number	Pcs/Pkg	Price	Part Number	Pcs/Pkg	Price	
	Gray	DN-D10-A	50	\$78.00	DN-D10X-A	50	\$117.00
	Blue	DN-D10B-A	50	\$81.00			
	Black	DN-D10BLK-A	50	\$81.00			
	Green	DN-D10GRN-A	50	\$81.00			
	Orange	DN-D10ORG-A	50	\$81.00			
	Red	DN-D10RED-A	50	\$81.00			
Yellow	DN-D10YEL-A	50	\$81.00				
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	4mm <sup>2</sup>	800V	32A	4mm <sup>2</sup>	
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	100kA 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						
<i>Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.</i>							
Accessories							
End Covers	DN-DEC10	50	\$18.00	DN-DEC10	50	\$18.00	
	DN-DEC10MN	10	\$3.75	DN-DEC10MN	10	\$3.75	
Jumpers**	2-pole	DN-2J4Y	100	\$27.50	DN-2J4Y	100	\$27.50
		DN-2J4YMN	25	\$8.00	DN-2J4YMN	25	\$8.00
	3-pole	DN-3J4Y	100	\$43.50	DN-3J4Y	100	\$43.50
		DN-3J4YMN	25	\$12.00	DN-3J4YMN	25	\$12.00
	24-pole	DN-24J4Y	5	\$17.00	DN-24J4Y	5	\$17.00
	Jumper Cutting Tool***	DN-J4CUT	1	\$46.50	DN-J4CUT	1	\$46.50
Top Cover	DN-DC10	100	\$34.50	DN-DC10	100	\$34.50	
	DN-DC10MN	25	\$7.75	DN-DC10MN	25	\$7.75	
Test Plug/Red	DN-TPR	10	\$24.50	DN-TPR	10	\$24.50	
Test Plug/Black	DN-TPB	10	\$24.50	DN-TPB	10	\$24.50	
35mm DIN Rail	7.5 mm high	DN-R35S1	10	\$28.00	DN-R35S1	10	\$28.00
		DN-R35S1-2	2	\$9.00	DN-R35S1-2	2	\$9.00
	15mm high	DN-R35HS1	10	\$49.50	DN-R35HS1	10	\$49.50
		DN-R35HS1-2	2	\$12.00	DN-R35HS1-2	2	\$12.00
End Brackets	DN-EB35	50	\$39.50	DN-EB35	50	\$39.50	
	DN-EB35MN	20	\$18.00	DN-EB35MN	20	\$18.00	
	DN-EB35-A	50	\$28.50	DN-EB35-A	50	\$28.50	
	DN-EB35-A-10	10	\$7.50	DN-EB35-A-10	10	\$7.50	
	DN-QEB35	50	\$25.50	DN-QEB35	50	\$25.50	
	DN-QEB35-10	10	\$7.50	DN-QEB35-10	10	\$7.50	
Angled Support Bracket	DN-ASB1	50	\$49.50	DN-ASB1	50	\$49.50	
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.							
<i>Note: For information on accessories, see the DINnectors Accessories section of this chapter.</i>							

## Dimensions

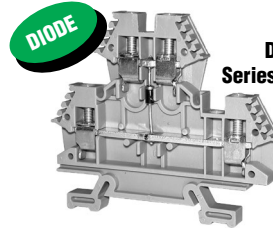


# DINnectors® Double-Level Terminal Blocks

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



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

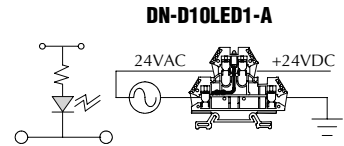


**DIODE**  
**DN-D10DR-A**  
Series: EURO D 4-2/35

Ordering Information							
Color	Gray	Part Number	Pcs/Pkg	Price	Part Number	Price	
		<b>DN-D10LED1-A</b>	10	\$31.50	<b>DN-D10DR-A</b>	\$119.00	
Technical Specifications							
<b>Stripping Length</b>	10mm [0.39 in]			10mm [0.39 in]			
<b>Tightening Torque</b>	0.6 N-m [7 lb-in]			0.6 N-m [7 lb-in]			
<b>Density</b>	166/m [50 pcs/ft]			166/m [50 pcs/ft]			
<b>LED Voltage</b>	12-24 V AC/DC 3.4 kΩ			-			
<b>UL Approval*</b>	600V	30A	24-10 AWG	600V	1A (Diode)	24-10 AWG	
<b>CSA Approval</b>	600V	30A	24-10 AWG	600V	1A (Diode)	24-10 AWG	
<b>VDE Approval</b>	800V	32A	4mm²	800V	1A (Diode)	4mm²	
<b>Operating Temperature</b>	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]						
<b>SCCR Rating</b>	100kA per Table SB4.1, 2009, UL 508A, Maximum short circuit current rating for unmarked components						
<b>CE Conformity</b>	CE (EN 60947-1 / EN 60947-7-1)						
<b>Agency File #</b>	UL E179129						
<i>Note: To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.</i>							
Accessories							
<b>End Covers</b>	<b>DN-DEC10</b>	50	\$18.00	<b>DN-DEC10</b>	50	\$18.00	
	<b>DN-DEC10MN</b>	10	\$3.75	<b>DN-DEC10MN</b>	10	\$3.75	
<b>Jumpers**</b>	<b>2-pole</b>	<b>DN-2J4Y</b>	100	\$27.50	<b>DN-2J4Y</b>	100	\$27.50
		<b>DN-2J4YMN</b>	25	\$8.00	<b>DN-2J4YMN</b>	25	\$8.00
	<b>3-pole</b>	<b>DN-3J4Y</b>	100	\$43.50	<b>DN-3J4Y</b>	100	\$43.50
		<b>DN-3J4YMN</b>	25	\$12.00	<b>DN-3J4YMN</b>	25	\$12.00
	<b>24-pole</b>	<b>DN-24J4Y</b>	100	\$17.00	<b>DN-24J4Y</b>	100	\$17.00
	<b>Jumper Cutting Tool***</b>	<b>DN-J4CUT</b>	1	\$46.50	<b>DN-J4CUT</b>	1	\$46.50
<b>Top Cover</b>	<b>DN-DC10</b>	100	\$34.50	<b>DN-DC10</b>	100	\$34.50	
	<b>DN-DC10MN</b>	25	\$7.75	<b>DN-DC10MN</b>	25	\$7.75	
<b>Test Plug/Red</b>	<b>DN-TPR</b>	10	\$24.50	<b>DN-TPR</b>	10	\$24.50	
<b>Test Plug/Black</b>	<b>DN-TPB</b>	10	\$24.50	<b>DN-TPB</b>	10	\$24.50	
<b>35mm DIN Rail</b>	<b>7.5 mm high</b>	<b>DN-R35S1</b>	10	\$28.00	<b>DN-R35S1</b>	10	\$28.00
		<b>DN-R35S1-2</b>	2	\$9.00	<b>DN-R35S1-2</b>	2	\$9.00
	<b>15mm high</b>	<b>DN-R35HS1</b>	10	\$49.50	<b>DN-R35HS1</b>	10	\$49.50
		<b>DN-R35HS1-2</b>	2	\$12.00	<b>DN-R35HS1-2</b>	2	\$12.00
<b>End Brackets</b>	<b>DN-EB35</b>	50	\$39.50	<b>DN-EB35</b>	50	\$39.50	
	<b>DN-EB35MN</b>	20	\$18.00	<b>DN-EB35MN</b>	20	\$18.00	
	<b>DN-EB35-A</b>	50	\$28.50	<b>DN-EB35-A</b>	50	\$28.50	
	<b>DN-EB35-A-10</b>	10	\$7.50	<b>DN-EB35-A-10</b>	10	\$7.50	
	<b>DN-QEB35</b>	50	\$25.50	<b>DN-QEB35</b>	50	\$25.50	
	<b>DN-QEB35-10</b>	10	\$7.50	<b>DN-QEB35-10</b>	10	\$7.50	
<b>Angled Support Bracket</b>	<b>DN-ASB1</b>	50	\$49.50	<b>DN-ASB1</b>	50	\$49.50	
<b>Marking Tags</b>	<b>DN-L or DN-LT series</b>	500/100	various	<b>DN-L or DN-LT series</b>	500/100	various	
<i>*Copper wire only</i>							
<i>**Jumpering and testing should be done on bottom level only.</i>							
<i>***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.</i>							

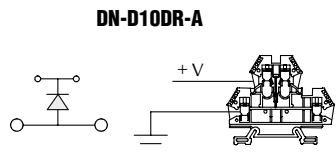
## LED terminal blocks

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.**

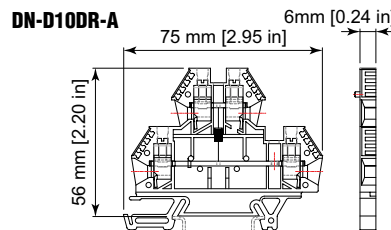
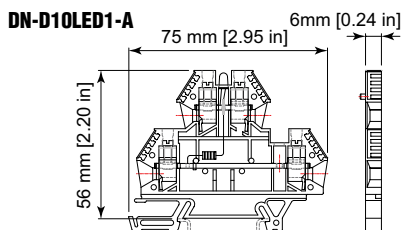


## Diode terminal blocks

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>)

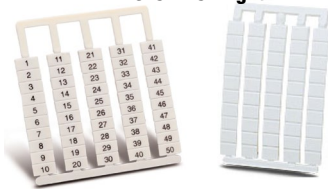


**1N4007 Reverse bias diode**  
(See Diode information located on page eTB-69)



# DINnectors® Accessories

**DN-LB (blank)  
shown on right**



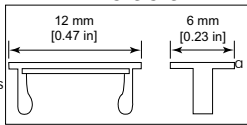
## DN-L

- **Fits terminal block types:** All except Screwless DINnectors, DN-T12-A, DN-M10-A, DN-MG, and DN-TL series
- **Material:** Thermoplastic with heat embossed black print

Note:

1. The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500 tags.
2. The DN-L tags fit all DINnectors 6mm wide and wider.
3. The DN-L tags fit all DINnectors 6mm wide and wider but will leave gap between tags on blocks wider than 6mm.

**Dimensions**



Marking Sequence	Part#	Pcs/Pkg	Price
1-50	<b>DN-L50</b>	500	\$32.50
51-100	<b>DN-L100</b>	500	\$32.50
101-150	<b>DN-L150</b>	500	\$32.50
151-200	<b>DN-L200</b>	500	\$32.50
201-250	<b>DN-L250</b>	500	\$32.50
251-300	<b>DN-L300</b>	500	\$32.50
301-350	<b>DN-L350</b>	500	\$32.50
351-400	<b>DN-L400</b>	500	\$32.50
401-450	<b>DN-L450</b>	500	\$32.50
Blank	<b>DN-LB</b>	500	\$22.00
L1, L2, L3, L, N, GND, +, -, COM, COM*	<b>DN-LS</b>	500	\$32.50

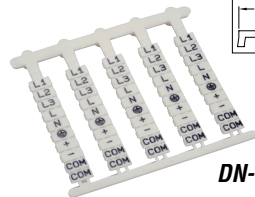
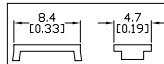
## DN-QL

- **Fits terminal block types:** Screwless DN-Q series
- **Material:** Thermoplastic with heat embossed black print. Packaged 100 labels per card, and five cards per box.

Note:

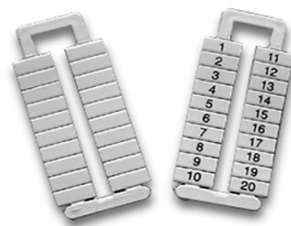
1. The marking sequence (i.e. 1-100) is printed five times in each package of 500 tags.

**Dimensions**



**DN-QLS Shown**

Marking Sequence	Part #	Pcs/Pkg	Price
1-100	<b>DN-QL100</b>	500	\$25.50
101-200	<b>DN-QL200</b>	500	\$25.50
201-300	<b>DN-QL300</b>	500	\$25.50
301-400	<b>DN-QL400</b>	500	\$25.50
401-500	<b>DN-QL500</b>	500	\$25.50
Blank Tags	<b>DN-QLB</b>	500	\$21.50
L1, L2, L3, L, N, ⊕, +, -, COM, COM*	<b>DN-QLS</b>	500	\$29.00



**DN-LAB (blank) shown on left;  
part of DN-LA100 on right**

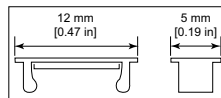
## DN-LA

- **Fits terminal block types:** DN-T12-A series
- **Material:** Thermoplastic with heat embossed black print

Note:

1. The marking sequence (i.e. 1-100) is printed five times in each package of 500 tags.
2. The DN-T12-A series is 5mm wide, so the 6mm wide DN-L tags do not fit these blocks.
3. The DN-LA tags fit all DINnectors 5mm wide and wider but will leave a gap between tags on blocks wider than 5mm.

**Dimensions**



Marking Sequence	Part#	Pcs/Pkg	Price
1-100	<b>DN-LA100</b>	500	\$32.50
101-200	<b>DN-LA200</b>	500	\$32.50
201-300	<b>DN-LA300</b>	500	\$32.50
301-400	<b>DN-LA400</b>	500	\$32.50
Blank Tags	<b>DN-LAB</b>	500	\$32.50
L1, L2, L3, L, N, GND, +, -, COM, COM*	<b>DN-LAS</b>	500	\$32.50

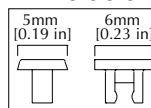
## DN-LAT-A

- **Fits terminal block types:** Triple level DN-TL14
- **Material:** Thermoplastic with heat embossed black print

Note:

1. The marking sequence (i.e. 1-100) is printed five times in each package of 500 tags.

**Dimensions**



Marking Sequence	Part #	Pcs/Pkg	Price
1-100	<b>DN-LAT100-A</b>	500	\$29.00
101-200	<b>DN-LAT200-A</b>	500	\$29.00
201-300	<b>DN-LAT300-A</b>	500	\$29.00
301-400	<b>DN-LAT400-A</b>	500	\$29.00
401-500	<b>DN-LAT500-A</b>	500	\$29.00
501-600	<b>DN-LAT600-A</b>	500	\$29.00
Blank Tags	<b>DN-LATB-A</b>	500	\$21.00
L1, L2, L3, L, N, ⊕, +, -, COM, COM*	<b>DN-LATS-A</b>	500	\$29.00



**DN-LTA marker shown top; DN-LT60 marker shown middle;  
DN-LTGND shown bottom**

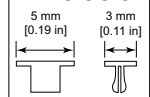
## DN-LT

- **Fits terminal block types:** All except Screwless DINnectors (see DN-QL series)
- **Material:** Thermoplastic with heat embossed black print

Note:

1. These marking tags allow the flexibility of creating custom marking sequences on site.
2. The DN-M10-A support a maximum of three digits (tags), while other DINnectors support up to four digits (tags)

**Dimensions**



Marking Sequence	Part#	Pcs/Pkg	Price
1-5	<b>DN-LT15</b>	100	\$5.75
6-0	<b>DN-LT60</b>	100	\$5.75
1	<b>DN-LT1</b>	100	\$5.75
2	<b>DN-LT2</b>	100	\$5.75
3	<b>DN-LT3</b>	100	\$5.75
4	<b>DN-LT4</b>	100	\$5.75
5	<b>DN-LT5</b>	100	\$5.75
6	<b>DN-LT6</b>	100	\$5.75
7	<b>DN-LT7</b>	100	\$5.75
8	<b>DN-LT8</b>	100	\$5.75
9	<b>DN-LT9</b>	100	\$5.75
0	<b>DN-LT0</b>	100	\$5.75
Unprinted	<b>DN-LTBLNK</b>	100	\$5.75
A	<b>DN-LTA</b>	100	\$5.75
B	<b>DN-LTB</b>	100	\$5.75
C	<b>DN-LTC</b>	100	\$5.75
D	<b>DN-LTD</b>	100	\$5.75
E	<b>DN-LTE</b>	100	\$5.75
F	<b>DN-LTF</b>	100	\$5.75
G	<b>DN-LTG</b>	100	\$5.75
H	<b>DN-LTH</b>	100	\$5.75
I	<b>DN-LTI</b>	100	\$5.75
J	<b>DN-LTJ</b>	100	\$5.75
K	<b>DN-LTK</b>	100	\$5.75
L	<b>DN-LTL</b>	100	\$5.75
M	<b>DN-LTM</b>	100	\$5.75
N	<b>DN-LTN</b>	100	\$5.75
-	-	-	-
P	<b>DN-LTP</b>	100	\$5.75
Q	<b>DN-LTQ</b>	100	\$5.75
R	<b>DN-LTR</b>	100	\$5.75
S	<b>DN-LTS</b>	100	\$5.75
T	<b>DN-LTT</b>	100	\$5.75
U	<b>DN-LTU</b>	100	\$5.75
V	<b>DN-LTV</b>	100	\$5.75
W	<b>DN-LTW</b>	100	\$5.75
X	<b>DN-LTX</b>	100	\$5.75
Y	<b>DN-LTY</b>	100	\$5.75
Z	<b>DN-LTZ</b>	100	\$5.75
⊕	<b>DN-LTGND</b>	100	\$5.75
+	<b>DN-LTPOS</b>	100	\$5.75
-	<b>DN-LTNEG</b>	100	\$5.75
~	<b>DN-LTAC</b>	100	\$5.75
=	<b>DN-LTDC</b>	100	\$5.75

# DINnectors® Accessories

## Terminal Marking Accessories



**DN-EMLBL1**

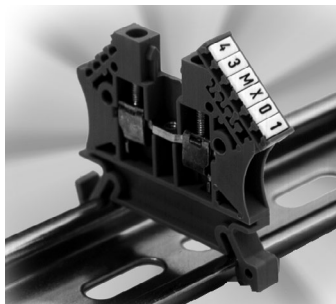


**DN-EMLBL2**



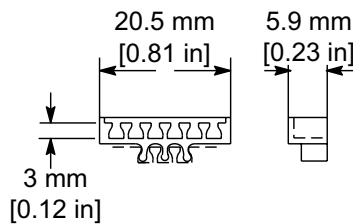
**DN-EMLBL3**

Part #	Description	For Use With	Pcs/Pkg	Price Each
<b>DN-EMLBL1</b>	Blank labels	DN-EMPEG1 pin protectors for DN-xEMXxx plug-in terminal blocks	100	\$5.25
<b>DN-EMLBL2</b>	Labels printed 1 – 12		100	\$7.25
<b>DN-EMLBL3</b>	Labels printed 13 – 24		100	\$7.25



**DN-MTA marking tag adapter**

**DN-MTA dimensions**



Part#	Description	Pcs/Pkg	Price Each
<b>DN-MTA</b>	Marking tag adapter holds up to six DN-LT tags	50	\$8.00

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

## 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#	Description	Pcs/Pkg	Price Each
<b>DN-MP</b>	Indelible black ink marking pen	1	\$3.75



**Marking pen**

## Wire Marking Accessories



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

Part #	Description	For Use With	Pcs/Pkg	Price Each
<b>DN-WMTAG1</b>	Wire tag – blank	all DN-WM-x wire tag holders	525	\$34.50
<b>DN-WM-1</b>	Wire tag holder, clear, 12mm length, 0.051–0.118 in diameter; for 22–16 AWG wire	DN-WMTAG1	200	\$7.00
<b>DN-WM-2</b>	Wire tag holder, clear, 12mm length, 0.098–0.196 in diameter; for 16–11 AWG wire		200	\$7.00
<b>DN-WM-3</b>	Wire tag holder, clear, 12mm length, 0.157–0.393 in diameter; for 13–5 AWG wire		100	\$4.75
<b>DN-WM-4</b>	Wire tag holder, clear, 12mm length, 0.314–0.629 in diameter; for 5AWG wire		100	\$4.25