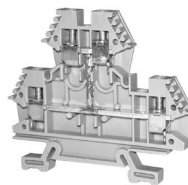
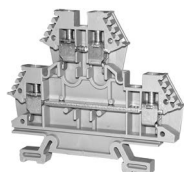
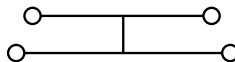
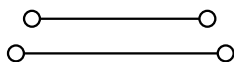




# Double-Level Terminal Blocks

- 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	<a href="#">DN-D10-A</a>	50	\$132.00	<a href="#">DN-D10X-A</a>	50	\$199.00
Blue	<a href="#">DN-D10B-A</a>	50	\$137.00			
Black	<a href="#">DN-D10BLK-A</a>	50	\$137.00			
Green	<a href="#">DN-D10GRN-A</a>	50	\$137.00			
Orange	<a href="#">DN-D10ORG-A</a>	50	\$137.00			
Red	<a href="#">DN-D10RED-A</a>	50	\$137.00			
Yellow	<a href="#">DN-D10YEL-A</a>	50	\$137.00			

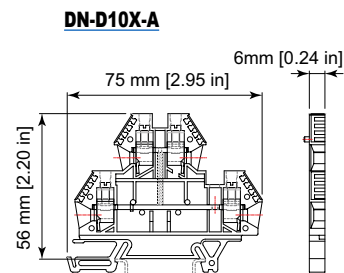
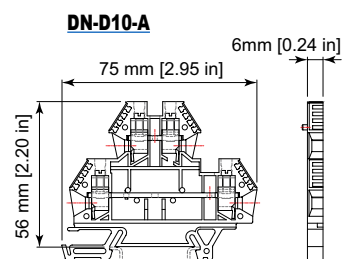
## Technical Specifications

<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>UL Approval*</b>	600V	30A	24-10 AWG	600V	30A	24-10 AWG
<b>VDE Approval</b>	800V	32A	4mm <sup>2</sup>	800V	32A	4mm <sup>2</sup>
<b>Operating Temperature</b>	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]					
<b>SCCR Rating</b>	100kA					
<b>CE Conformity</b>	CE (EN 60947-1 / EN 60947-7-1)					
<b>Agency File #</b>	UL E179129					

## Accessories

<b>End Covers</b>		<a href="#">DN-DEC10</a>	50	\$31.50	<a href="#">DN-DEC10</a>	50	\$31.50
		<a href="#">DN-DEC10MN</a>	10	\$6.00	<a href="#">DN-DEC10MN</a>	10	\$6.00
<b>Jumpers**</b>	2-pole	<a href="#">DN-2J4Y</a>	100	\$46.00	<a href="#">DN-2J4Y</a>	100	\$46.00
		<a href="#">DN-2J4YMN</a>	25	\$14.50	<a href="#">DN-2J4YMN</a>	25	\$14.50
	3-pole	<a href="#">DN-3J4Y</a>	100	\$74.00	<a href="#">DN-3J4Y</a>	100	\$74.00
		<a href="#">DN-3J4YMN</a>	25	\$22.00	<a href="#">DN-3J4YMN</a>	25	\$22.00
	24-pole	<a href="#">DN-24J4Y</a>	5	\$29.50	<a href="#">DN-24J4Y</a>	5	\$29.50
	<b>Jumper Cutting Tool***</b>		<a href="#">DN-J4CUT</a>	1	\$79.00	<a href="#">DN-J4CUT</a>	1
<b>Top Cover</b>		<a href="#">DN-DC10</a>	100	\$60.00	<a href="#">DN-DC10</a>	100	\$60.00
		<a href="#">DN-DC10MN</a>	25	\$14.00	<a href="#">DN-DC10MN</a>	25	\$14.00
<b>Test Plug/Red</b>		<a href="#">DN-TPR</a>	10	\$42.00	<a href="#">DN-TPR</a>	10	\$42.00
<b>Test Plug/Black</b>		<a href="#">DN-TPB</a>	10	\$42.00	<a href="#">DN-TPB</a>	10	\$42.00
<b>35mm DIN Rail</b>	7.5 mm high	<a href="#">DN-R35S1</a>	10	\$39.00	<a href="#">DN-R35S1</a>	10	\$39.00
		<a href="#">DN-R35S1-2</a>	2	\$11.00	<a href="#">DN-R35S1-2</a>	2	\$11.00
	15mm high	<a href="#">DN-R35HS1</a>	10	\$68.00	<a href="#">DN-R35HS1</a>	10	\$68.00
		<a href="#">DN-R35HS1-2</a>	2	\$16.50	<a href="#">DN-R35HS1-2</a>	2	\$16.50
<b>End Brackets</b>		<a href="#">DN-EB35</a>	50	\$67.00	<a href="#">DN-EB35</a>	50	\$67.00
		<a href="#">DN-EB35MN</a>	20	\$31.50	<a href="#">DN-EB35MN</a>	20	\$31.50
		<a href="#">DN-EB35-A</a>	50	\$47.50	<a href="#">DN-EB35-A</a>	50	\$47.50
		<a href="#">DN-EB35-A-10</a>	10	\$12.00	<a href="#">DN-EB35-A-10</a>	10	\$12.00
		<a href="#">DN-QEB35</a>	50	\$42.50	<a href="#">DN-QEB35</a>	50	\$42.50
		<a href="#">DN-QEB35-10</a>	10	\$11.50	<a href="#">DN-QEB35-10</a>	10	\$11.50
<b>Angled Support Bracket</b>		<a href="#">DN-ASB1</a>	50	\$107.00	<a href="#">DN-ASB1</a>	50	\$107.00
<b>Marking Tags</b>		DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

## Dimensions



\*Copper wire only

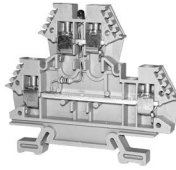
\*\*Jumpering and testing should be done on bottom level only for the DN-D10X-A

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

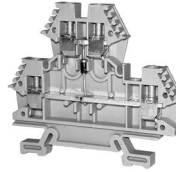


# Double-Level Terminal Blocks

- 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

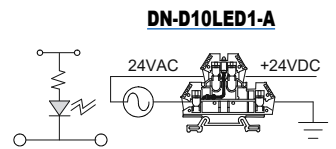


**DN-D10DR-A**  
Series: EURO D 4-2/35

Ordering Information							
Color	Part Number	Qty	Price	Part Number	Qty	Price	
Gray	<a href="#">DN-D10LED1-A</a>	10	\$54.00	<a href="#">DN-D10DR-A</a>	50	\$202.00	
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>VDE Approval</b>	800V	32A	4mm <sup>2</sup>	800V	1A (Diode)	4mm <sup>2</sup>	
<b>Operating Temperature</b>	Ambient air temperature: -20 to 105°C [-4F to 221°F] Relative humidity: 50% max at 40°C [104°F]; 90% max at 20°C [68°F]						
<b>SCCR Rating</b>	100kA						
<b>CE Conformity</b>	CE (EN 60947-1 / EN 60947-7-1)						
<b>Agency File #</b>	UL E179129						
Accessories							
<b>End Covers</b>	<a href="#">DN-DEC10</a>	50	\$31.50	<a href="#">DN-DEC10</a>	50	\$31.50	
	<a href="#">DN-DEC10MN</a>	10	\$6.00	<a href="#">DN-DEC10MN</a>	10	\$6.00	
<b>Jumpers**</b>	2-pole	<a href="#">DN-2J4Y</a>	100	\$46.00	<a href="#">DN-2J4Y</a>	100	\$46.00
		<a href="#">DN-2J4YMN</a>	25	\$14.50	<a href="#">DN-2J4YMN</a>	25	\$14.50
	3-pole	<a href="#">DN-3J4Y</a>	100	\$74.00	<a href="#">DN-3J4Y</a>	100	\$74.00
		<a href="#">DN-3J4YMN</a>	25	\$22.00	<a href="#">DN-3J4YMN</a>	25	\$22.00
	24-pole	<a href="#">DN-24J4Y</a>	5	\$29.50	<a href="#">DN-24J4Y</a>	5	\$29.50
	<b>Jumper Cutting Tool***</b>	<a href="#">DN-J4CUT</a>	1	\$79.00	<a href="#">DN-J4CUT</a>	1	\$79.00
<b>Top Cover</b>	<a href="#">DN-DC10</a>	100	\$60.00	<a href="#">DN-DC10</a>	100	\$60.00	
	<a href="#">DN-DC10MN</a>	25	\$14.00	<a href="#">DN-DC10MN</a>	25	\$14.00	
<b>Test Plug/Red</b>	<a href="#">DN-TPR</a>	10	\$42.00	<a href="#">DN-TPR</a>	10	\$42.00	
<b>Test Plug/Black</b>	<a href="#">DN-TPB</a>	10	\$42.00	<a href="#">DN-TPB</a>	10	\$42.00	
<b>35mm DIN Rail</b>	7.5 mm high	<a href="#">DN-R35S1</a>	10	\$39.00	<a href="#">DN-R35S1</a>	10	\$39.00
		<a href="#">DN-R35S1-2</a>	2	\$11.00	<a href="#">DN-R35S1-2</a>	2	\$11.00
	15mm high	<a href="#">DN-R35HS1</a>	10	\$68.00	<a href="#">DN-R35HS1</a>	10	\$68.00
		<a href="#">DN-R35HS1-2</a>	2	\$16.50	<a href="#">DN-R35HS1-2</a>	2	\$16.50
<b>End Brackets</b>	<a href="#">DN-EB35</a>	50	\$67.00	<a href="#">DN-EB35</a>	50	\$67.00	
	<a href="#">DN-EB35MN</a>	20	\$31.50	<a href="#">DN-EB35MN</a>	20	\$31.50	
	<a href="#">DN-EB35-A</a>	50	\$47.50	<a href="#">DN-EB35-A</a>	50	\$47.50	
	<a href="#">DN-EB35-A-10</a>	10	\$12.00	<a href="#">DN-EB35-A-10</a>	10	\$12.00	
	<a href="#">DN-QEB35</a>	50	\$42.50	<a href="#">DN-QEB35</a>	50	\$42.50	
	<a href="#">DN-QEB35-10</a>	10	\$11.50	<a href="#">DN-QEB35-10</a>	10	\$11.50	
<b>Angled Support Bracket</b>	<a href="#">DN-ASB1</a>	50	\$107.00	<a href="#">DN-ASB1</a>	50	\$107.00	
<b>Marking Tags</b>	DN-L or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various	

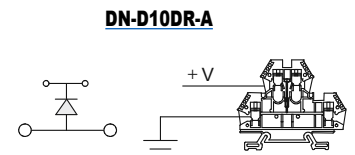
**LED terminal blocks**  
These terminal blocks have built-in LED indicators. The LED illuminates when voltage is present. The LED1 version is for 24V AC/DC circuits, and includes current-limiting elements.

Note: Wire only one supply.



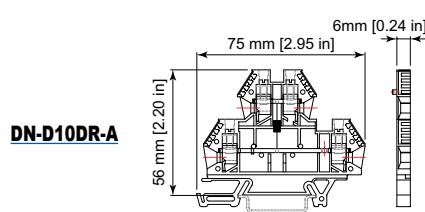
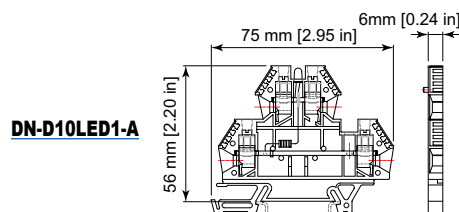
**Diode terminal blocks**  
Typically, an inductive load produces a spike (neg.-going) when it is turned off. These terminal blocks with built-in diodes help protect your PLC's output circuits. The circuit below shows the normal voltages to the load (during ON state).

(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 tTBL-60)

\*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.




**DINnectors® Accessories**

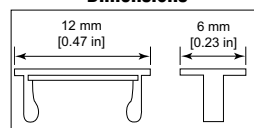
## Marking Tags Cross Reference Charts - Screw-type

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

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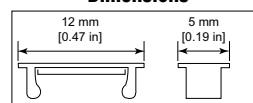
## Marking Tags

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

**Dimensions**


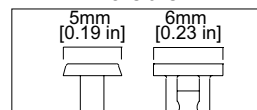
- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fit all DINnectors 6mm wide and wider.
- There will be a gap between tags on blocks wider than 6mm.
- Material: Thermoplastic with heat embossed black print.

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

**Dimensions**


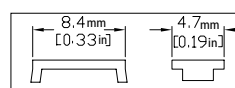
- The marking sequence of 100 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LA tags fit all DINnectors 5mm wide and wider. There will be a gap between tags on blocks wider than 5mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LAT Series			
Part Number	Marking Sequence	Qty	Price
<b>DN-LAT100-A</b>	1-100	500	\$49.00
<b>DN-LAT200-A</b>	101-200	500	\$49.00
<b>DN-LAT300-A</b>	201-300	500	\$49.00
<b>DN-LAT400-A</b>	301-400	500	\$49.00
<b>DN-LAT500-A</b>	401-500	500	\$49.00
<b>DN-LAT600-A</b>	501-600	500	\$49.00
<b>DN-LATB-A</b>	Blank Tags	500	\$35.50
<b>DN-LATS-A</b>	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
<b>DN-QL100</b>	1-100	500	\$42.50
<b>DN-QL200</b>	101-200	500	\$42.50
<b>DN-QL300</b>	201-300	500	\$42.50
<b>DN-QL400</b>	301-400	500	\$42.50
<b>DN-QL500</b>	401-500	500	\$42.50
<b>DN-QLB</b>	Blank Tags	500	\$36.00
<b>DN-QLS</b>	L1, L2, L3, L, N, +, -, COM,COM*	500	\$49.00

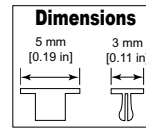
**Dimensions**


- 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

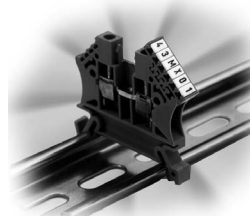
## Marking Tags continued

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

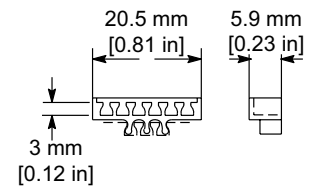


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DINnectors support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

### DN-MTA marking tag adapter



### DN-MTA dimensions



Part Number	Description	Qty	Price
<a href="#">DN-MTA</a>	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
<b>DN-EMLBL1</b>	Blank labels	DN-EMPEG1 pin protectors for DN-xEMxx plug-in terminal blocks	100	\$9.25
<b>DN-EMLBL2</b>	Labels printed 1 – 12		100	\$13.00
<b>DN-EMLBL3</b>	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
<b>DN-MP</b>	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
<b>DN-WMTAG1</b>	Wire tag – blank	all DN-WM-x wire tag holders	525	\$60.00
<b>DN-WM-1</b>	Wire tag holder, clear, 12mm length, 0.051–0.118 in diameter; for 22–16 AWG wire	<b>DN-WMTAG1</b>	200	\$12.50
<b>DN-WM-2</b>	Wire tag holder, clear, 12mm length, 0.098–0.196 in diameter; for 16–11 AWG wire		200	\$12.50
<b>DN-WM-3</b>	Wire tag holder, clear, 12mm length, 0.157–0.393 in diameter; for 13–5 AWG wire		100	\$8.25
<b>DN-WM-4</b>	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

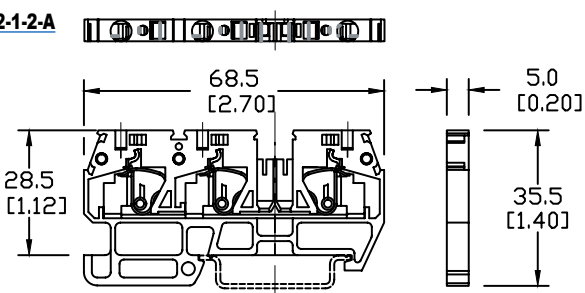
1N4007 Diode Information		
<b>RMS Reverse Voltage*</b>	<b>V (Rrms)</b>	<b>600V</b>
<b>Average Rectified Forward Current Single Phase, Resistive Load, 60Hz</b>	<b>I (O)</b>	<b>1.0 A</b>
<b>Non-Repetitive Peak Surge Current (Surge applied at rated load)</b>	<b>I (FSM)</b>	<b>30A (1 cycle)</b>
<b>Maximum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

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

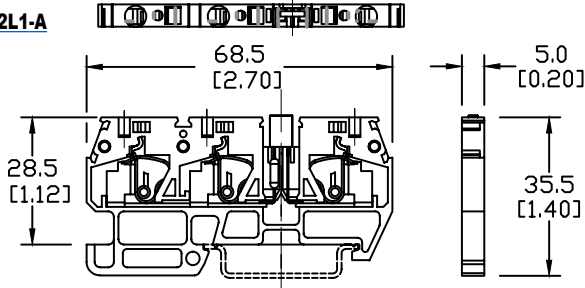
## Dimensions

mm [inches]

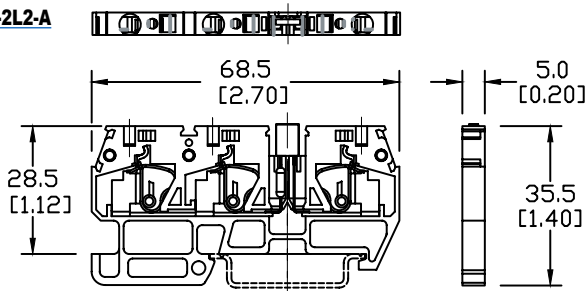
**DN-Q12-1-2-A**



**DN-Q12-1-2L1-A**



**DN-Q12-1-2L2-A**



**DN-Q12-1-2DR-A**

