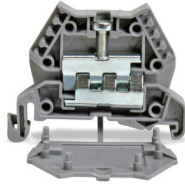


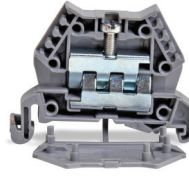


# Thermocouple Terminal Blocks

- 35mm DIN-rail mountable
- UL E179129
- CE (EN 60947-1/ EN 60947-7-1)



**DN-THERM1 (open)** –  
Series: EURO TC - 50 Volt



**DN-THERM2 (open)**  
Series: EURO TC - 300 Volt



**DN-THERMx**  
(shown closed)

## Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	<a href="#">DN-THERM1</a>	50	\$204.00	<a href="#">DN-THERM2</a>	50	\$204.00
	<a href="#">DN-THERM1MN</a>	10	\$49.00	<a href="#">DN-THERM2MN</a>	10	\$45.50

## Technical Specifications

<b>Stripping Length</b>	20mm [0.79 in]			20mm [0.79 in]		
<b>Tightening Torque</b>	0.099 N·m [0.875 lb-in]			0.099 N·m [0.875 lb-in]		
<b>UL Approval*</b>	50V AC/DC	–	30-20 AWG	300V	10A	20-16 AWG
<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>	10kA 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					

## Accessories

End Cover		Included					
35mm DIN Rail	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
End Brackets		<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

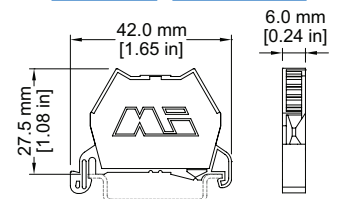
\*Copper wire only

DN-THERM1 has no assigned amp rating; intended for use with thermocouple wires only.

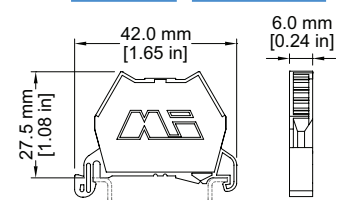
For more information on accessories, see the DINnectors Accessories section of this chapter.

Thermocouple terminal blocks are designed with only one screw clamp to provide suitable connections to thermocouple sensors. The DN-THERM1 and DN-THERM2 clamping yoke terminal blocks have been designed to accept any type of thermocouple lead connection within their rated wire size ranges. The thermocouple leads are simply stripped of their insulation to 20mm (0.79"), and then inserted into the terminal block where the two wires overlap. The leads are clamped together on both sides of the terminal block, resulting in an excellent electrical connection to the thermocouple without the need for any other compensation metals/contacts.

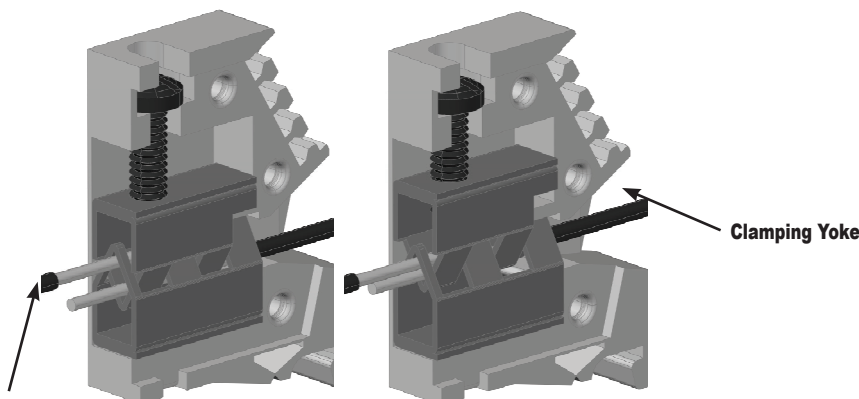
**DN-THERM1 / DN-THERM1MN**



**DN-THERM2 / DN-THERM2MN**



**DN-THERMx operation**



Overlap of thermocouple wires allows for universal connections.


**DINnectors® Accessories**

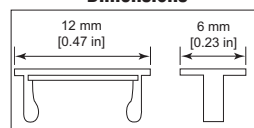
## Marking Tags Cross Reference Charts - Screw-type

<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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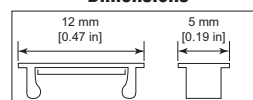
## Marking Tags

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

**Dimensions**


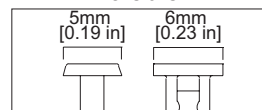
- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fit all DINnectors 6mm wide and wider.
- There will be a gap between tags on blocks wider than 6mm.
- Material: Thermoplastic with heat embossed black print.

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

**Dimensions**


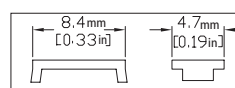
- The marking sequence of 100 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LA tags fit all DINnectors 5mm wide and wider. There will be a gap between tags on blocks wider than 5mm.
- Material: Thermoplastic with heat embossed black print.

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

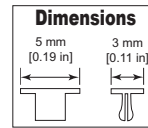
**Dimensions**


- 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

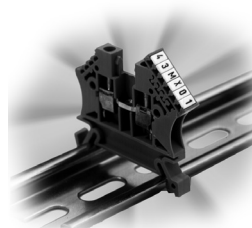
## Marking Tags continued

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

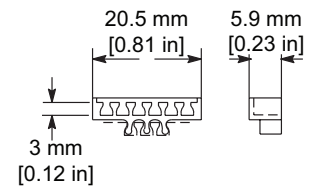


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DINnectors support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

### 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