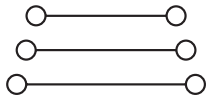
DINnectors® Triple-level and Sensor Terminal Blocks

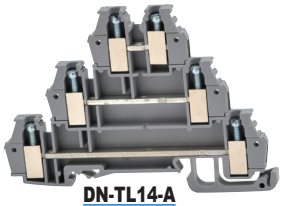
Triple-level terminal blocks enable high-density wiring or simplified, low-cost sensor wiring.

When wiring space is at a premium, use the DN-TL14-A to connect three separate circuits in only 5mm of linear DIN-rail space. The rest of our family of triple-level blocks will allow you to wire one terminal block per sensor, vs. the traditional method, which requires three different single-level blocks per sensor.

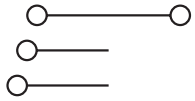
The DN-TL14S-A is the standard sensor terminal block, and the DN-TL14SLP-A and DN-TL14SLN-A provide LED indication at the terminal block when voltage is present.

- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC





DN-TL14-A
Series: EURO W 2.5/35



DN-TL14S-A
Series: EURO Z 2.5/35

Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-TL14-A	25	$69.00	DN-TL14S-A	25	$61.00

Technical Specifications

Stripping Length	10 mm [0.39 in]			10 mm [0.39 in]		
Tightening Torque	0.5 N·m [4.5 lb·in]			0.5 N·m [4.5 lb·in]		
Density	200/m [57 pcs/ft]			200/m [57 pcs/ft]		
UL Approval*	300V	10A	26-14 AWG	300V	10A	26-14 AWG
CSA Approval	300V	10A	26-14 AWG	300V	10A	26-14 AWG
VDE Approval	300V	10A	2.5 mm²	300V	10A	2.5 mm²
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	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					

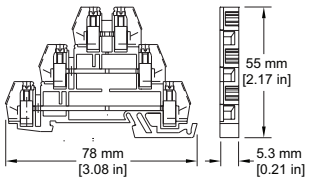
Accessories

End Covers		DN-EC14	25	$18.00	DN-EC14S	25	$15.00
Jumpers	2-pole Blue	DN-2JL14B-A	100	$67.00	DN-2JL14B-A	100	$67.00
		DN-2JL14B-AMN	25	$15.00	DN-2JL14B-AMN	25	$15.00
	3-pole Blue	DN-3JL14B-A	100	$99.00	DN-3JL14B-A	100	$99.00
		DN-3JL14B-AMN	25	$23.00	DN-3JL14B-AMN	25	$23.00
	12-pole Blue	DN-12JL14B-A	10	$26.50	DN-12JL14B-A	10	$26.50
	2-pole Red	DN-2JL14-A	100	$67.00	DN-2JL14-A	100	$67.00
		DN-2JL14-AMN	25	$15.00	DN-2JL14-AMN	25	$15.00
	3-pole Red	DN-3JL14-A	100	$99.00	DN-3JL14-A	100	$99.00
		DN-3JL14-AMN	25	$23.00	DN-3JL14-AMN	25	$23.00
	12-pole Red	DN-12JL14-A	10	$26.50	DN-12JL14-A	10	$26.50
Jumper Cutting Tool		DN-JL14CUT	1	$112.00	DN-JL14CUT	1	$112.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
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-LAT-A series	500	various	DN-LAT-A series	500	various

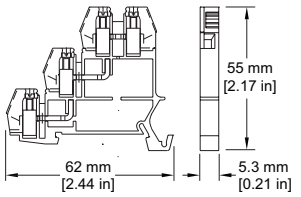
***Copper wire only**
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

Dimensions

DN-TL14-A



DN-TL14S-A

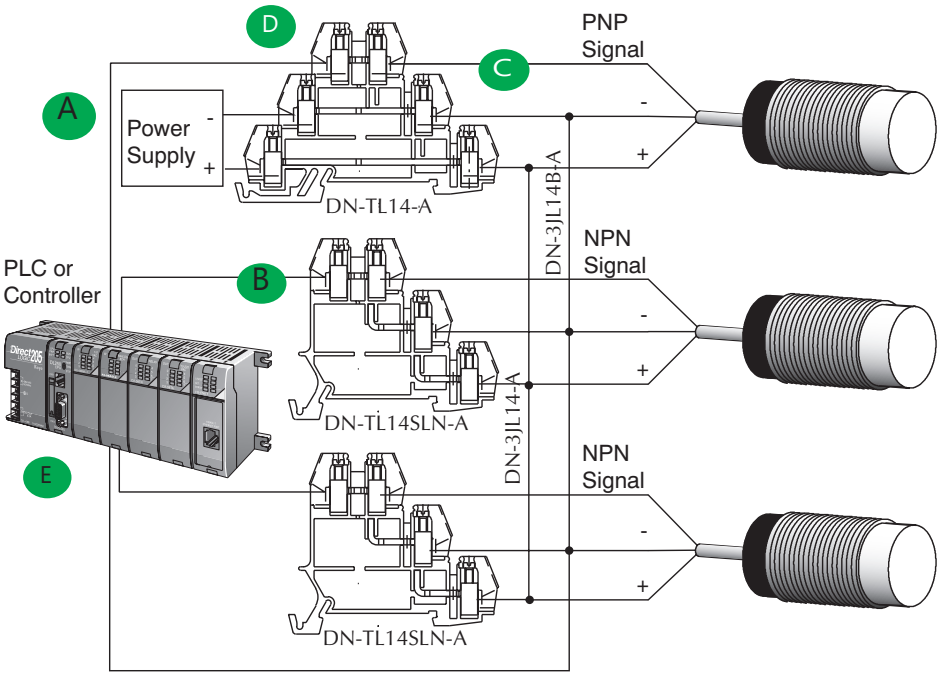


DINnectors®

Triple-level and Sensor Terminal Blocks

Sensor wiring has never been this simple.

- A Wire the bottom two levels of one DN-TL14-A to connect your power supply to what will become a sensor +V and -V power bus.
- B Mount the triple-level sensor blocks next to the DN-TL14-A. The DN-TL14S-A is our standard sensor terminal block.
  The DN-TL14SLP-A gives you LED indication for PNP sensors, and the DN-TL14SLN-A gives you LED indication for NPN sensors.
- C Use the top level to connect the first sensor signal line to the PLC.
- D Connect the power supply terminals of the DN-TL14-A to the LED sensor terminal blocks by installing jumpers. This will create a +V and -V power bus on the two bottom levels of the terminals. Use an external wire to connect a group of 12 DN-TL14-As to another group.
- E Wire the sensor signal lines through the top levels of the blocks to your PLC or controller. Remember to use the appropriate end covers to cover any exposed metal parts for safety purposes.

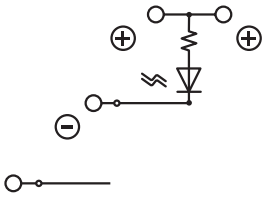


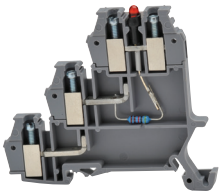
Note: Wiring schematic is for reference only. See individual I/O modules for correct wiring connections.

DINnectors®

Triple-level and Sensor Terminal Blocks with LED

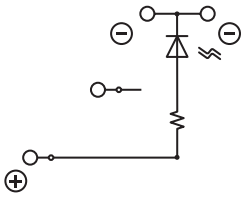
- Screw connection terminal
- 35mm DIN-rail mountable
- LVD 2006/95/EC





DN-TL14SLP-A
Series: EURO Z 2.5 LP/35

DN-TL14SLN-A
Series: EURO Z 2.5 LN/35



Ordering Information

Color	Part Number	Qty	Price	Part Number	Qty	Price
Gray	DN-TL14SLP-A	25	$120.00	DN-TL14SLN-A	25	$120.00

Technical Specifications

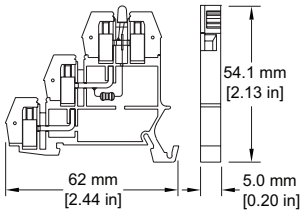
Stripping Length	10 mm [0.39 in]			10 mm [0.39 in]		
Tightening Torque	0.5 N·m [4.5 lb·in]			0.5 N·m [4.5 lb·in]		
Density	200/m [57 pcs/ft]			200/m [57 pcs/ft]		
Leakage Current	25mA@5V			25mA@5V		
LED Voltage/Resistance	12 – 24V AC/DC. 3.4 kΩ			12 – 24V AC/DC. 3.4 kΩ		
UL Approval*	300V	10A	26-14 AWG	300V	10A	26-14 AWG
CSA Approval	300V	10A	26-14 AWG	300V	10A	26-14 AWG
VDE Approval	300V	10A	2.5 mm²	300V	10A	2.5 mm²
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	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

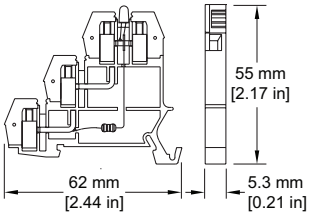
End Cover		DN-EC14S	25	$15.00	DN-EC14S	25	$15.00
Jumpers	2-pole Blue	DN-2JL14B-A	100	$67.00	DN-2JL14B-A	100	$67.00
		DN-2JL14B-AMN	25	$15.00	DN-2JL14B-AMN	25	$15.00
	3-pole Blue	DN-3JL14B-A	100	$99.00	DN-3JL14B-A	100	$99.00
		DN-3JL14B-AMN	25	$23.00	DN-3JL14B-AMN	25	$23.00
	12-pole Blue	DN-12JL14B-A	10	$26.50	DN-12JL14B-A	10	$26.50
	2-pole Red	DN-2JL14-A	100	$67.00	DN-2JL14-A	100	$67.00
		DN-2JL14-AMN	25	$15.00	DN-2JL14-AMN	25	$15.00
	3-pole Red	DN-3JL14-A	100	$99.00	DN-3JL14-A	100	$99.00
		DN-3JL14-AMN	25	$23.00	DN-3JL14-AMN	25	$23.00
	12-pole Red	DN-12JL14-A	10	$26.50	DN-12JL14-A	10	$26.50
Jumper Cutting Tool		DN-JL14CUT	1	$112.00	DN-JL14CUT	1	$112.00
35mm DIN Rail	7.5 mm high	DN-R35S1	10	$39.00	DN-R35S1	10	$39.00
		DN-R35S1-2	2	$11.00	DN-R35S1-2	2	$11.00
	15mm high	DN-R35HS1	10	$68.00	DN-R35HS1	10	$68.00
		DN-R35HS1-2	2	$16.50	DN-R35HS1-2	2	$16.50
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-LAT-A series	500	various	DN-LAT-A series	500	various

Dimensions

DN-TL14SLP-A



DN-TL14SLN-A



***Copper wire only**
For more information on accessories, see the DIN*nector*s Accessories section of this chapter.

DINnectors® Accessories

Marking Tags Cross Reference Charts - Screw-type

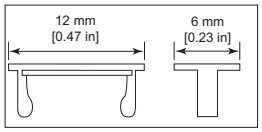
DIN*nector* Marking Tags Cross Reference - Screw-type					
Block Type	***DN-L***	***DN-LA***	***DN-LT***	***DN-LAT***	***DN-EMLBL***
DN-T12	–	X	X	–	–
DN-T10	X	–	X	–	–
DN-T8	X	–	X	–	–
DN-T6	X	–	X	–	–
DN-T4	X	–	X	–	–
DN-T1/0	X	–	X	–	–
DN-T3/0	X	–	X	–	–
DN-D10	X	–	X	–	–
DN-D10X	X	–	X	–	–
DN-D10LED	X	–	X	–	–
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*
DN-L50	1-50	500	$56.00
DN-L100	51-100	500	$56.00
DN-L150	101-150	500	$56.00
DN-L200	151-200	500	$56.00
DN-L250	201-250	500	$56.00
DN-L300	251-300	500	$56.00
DN-L350	301-350	500	$56.00
DN-L400	351-400	500	$56.00
DN-L450	401-450	500	$56.00
DN-LB	Blank	500	$38.00
DN-LS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	$56.00

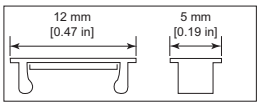
Dimensions



- 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 DIN*nectors* 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*
DN-LA100	1-100	500	$56.00
DN-LA200	101-200	500	$56.00
DN-LA300	201-300	500	$56.00
DN-LA400	301-400	500	$56.00
DN-LAB	Blank Tags	500	$56.00
DN-LAS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	$56.00

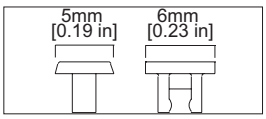
Dimensions



- 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 DIN*nectors* 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*
DN-LAT100-A	1-100	500	$49.00
DN-LAT200-A	101-200	500	$49.00
DN-LAT300-A	201-300	500	$49.00
DN-LAT400-A	301-400	500	$49.00
DN-LAT500-A	401-500	500	$49.00
DN-LAT600-A	501-600	500	$49.00
DN-LATB-A	Blank Tags	500	$35.50
DN-LATS-A	L1, L2, L3, L, N, +,-, COM,COM*	500	$49.00

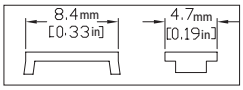
Dimensions



- 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*
DN-QL100	1-100	500	$42.50
DN-QL200	101-200	500	$42.50
DN-QL300	201-300	500	$42.50
DN-QL400	301.400	500	$42.50
DN-QL500	401-500	500	$42.50
DN-QLB	Blank Tags	500	$36.00
DN-QLS	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

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