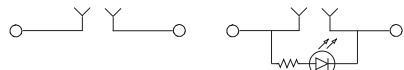




DN-DIS series Disconnect Terminal Blocks offer the flexibility of opening a circuit without removing any wiring. Available with or without LED indication in 12VDC and 24VDC, they can also be used as a socket for the DN-SUPP series Supplementary Protectors by simply removing the Disconnect Blade.

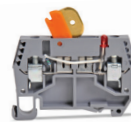
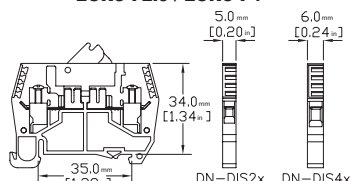


WARNING: DO NOT DISCONNECT UNDER LOAD

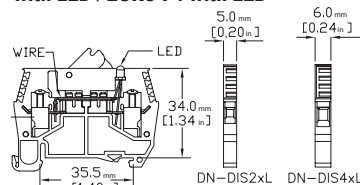
Supplementary Protector / Disconnect Terminal Block Sockets



**DN-DISx Series:
EURO F2.5 / EURO F4**



DN-DISxL Series: EURO F2 with LED / EURO F4 with LED



Ordering Information

	Part Number	Trip Indicator	Qty	Price	Part Number	Trip Indicator	Qty	Price
Gray Socket with Disconnect	DN-DIS2	—	50	\$007z3:	DN-DIS4	—	50	\$007z6:
	DN-DIS2MN	—	10	\$.05]a:	DN-DIS4MN	—	10	\$.05]d:
	DN-DIS2L12	12 VAC/DC LED	50	\$007z4:	DN-DIS4L12	12 VAC/DC LED	50	\$007z7:
	DN-DIS2L12MN	12 VAC/DC LED	10	\$.05]8:	DN-DIS4L12MN	12 VAC/DC LED	10	\$.05]b:
	DN-DIS2L24	24 VAC/DC LED	50	\$007z5:	DN-DIS4L24	24 VAC/DC LED	50	\$007z8:
	DN-DIS2L24MN	24 VAC/DC LED	10	\$.05]9:	DN-DIS4L24MN	24 VAC/DC LED	10	\$.05]c:

Technical Specifications

Stripping Length	5mm [0.20 in]			6mm [0.24 in]		
Tightening Torque	0.5 N·m [4.4 lb·in]			0.8 N·m [7 lb·in]		
UL Approval*	300V	10A with SUPP 20A with disconnect	24-12 AWG*	300V	10A with SUPP 25A with disconnect	24-10 AWG*
Operating Temperature	Ambient air temperature: -20 to 85°C [-4 to 185°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 / 60947-7-3)					
Agency File #	UL E179129					

Accessories

End Cover/Spacer**	DN-FESPA		50	\$05sa:	DN-FESPA		50	\$05sa:
	DN-FESPA-10		10	\$5sb:	DN-FESPA-10		10	\$5sb:
Separator	DN-FESEP		50	\$07us:	DN-FESEP		50	\$07us:
	DN-FESEP-10		10	\$.7ut:	DN-FESEP-10		10	\$.7ut:
35mm DIN Rail	7.5 mm high	DN-R35S1	10	\$-07lx:	DN-R35S1		10	\$-07lx:
		DN-R35S1-2	2	\$-07ly:	DN-R35S1-2		2	\$-07ly:
	15mm high	DN-R35HS1	10	\$-07lu:	DN-R35HS1		10	\$-07lu:
		DN-R35HS1-2	2	\$-07lv:	DN-R35HS1-2		2	\$-07lv:
End Brackets	DN-EB35		50	\$07zg:	DN-EB35		50	\$07zg:
	DN-EB35MN		20	\$-07zj:	DN-EB35MN		20	\$-07zj:
	DN-EB35-A		50	\$07zh:	DN-EB35-A		50	\$07zh:
	DN-EB35-A-10		10	\$-07zi:	DN-EB35-A-10		10	\$-07zi:
	DN-QEB35		50	\$07zk:	DN-QEB35		50	\$07zk:
	DN-QEB35-10		10	\$-07zl:	DN-QEB35-10		10	\$-07zl:
Angled Support Bracket	DN-ASB1		50	\$-007lk:	DN-ASB1		50	\$-007lk:
Disconnect Blade	DN-DIS-BLADE		50	\$07z9:	DN-DIS-BLADE		50	\$07z9:
	DN-DIS-BMN		10	\$05cs:	DN-DIS-BMN		10	\$05cs:
Marking Tags	DN-LA or DN-LT series		500/ 100	various	DN-L or DN-LT series		500/ 100	various

*For copper wire only

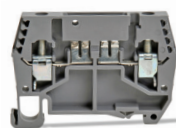
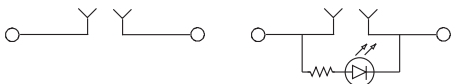
**Use one End Cover / Spacer per DN-FEx Terminal Block Socket when using DN-SUPP-x supplementary protector

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

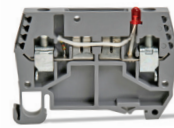


DINnectors® Terminal Block Sockets

DN-FE series terminal block sockets accept separately available circuit disconnects or supplementary protectors. The DN-FE blocks are available either with or without a trip-indicating LED and they are 35mm DIN rail mountable. The LED blocks are polarity-sensitive, with the LED side negative.



DN-FEx Series:
EURO F2.5 / EURO F4



DN-FExL Series: EURO F2 with LED / EURO F4 with LED

Ordering Information

	Part Number	Trip Indicator	Qty	Price	Part Number	Trip Indicator	Qty	Price
Socket Only	DN-FE2	—	50	\$007y6:	DN-FE4	—	50	\$007yc:
	DN-FE2-5	—	5	\$07y7:	DN-FE4-5	—	5	\$07yd:
	DN-FE2L12	12 VAC/DC LED	50	\$007y8:	DN-FE4L12	12 VAC/DC LED	50	\$007ye:
	DN-FE2L12-5	12 VAC/DC LED	5	\$07y9:	DN-FE4L12-5	12 VAC/DC LED	5	\$07yf:
	DN-FE2L24	24 VAC/DC LED	50	\$007ya:	DN-FE4L24	24 VAC/DC LED	50	\$007yg:
	DN-FE2L24-5	24 VAC/DC LED	5	\$07yb:	DN-FE4L24-5	24 VAC/DC LED	5	\$07yh:

Technical Specifications

Stripping Length	5mm [0.20 in]			6mm [0.24 in]		
Tightening Torque	0.5 N·m [4.4 lb·in]			0.8 N·m [7 lb·in]		
UL Approval*	300V	10A with SUPP/20A with disconnect	24-12 AWG*	300V	10A with SUPP/25A with disconnect	24-10 AWG*
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 60947-7-3)					
Agency File #	UL E179129					

Accessories

End Cover/ Spacer**		DN-FESPA	50	\$05sa:	DN-FESPA	50	\$05sa:
		DN-FESPA-10	10	\$5sb:	DN-FESPA-10	10	\$5sb:
Separator		DN-FESEP	50	\$07us:	DN-FESEP	50	\$07us:
		DN-FESEP-10	10	\$;7ut:	DN-FESEP-10	10	\$;7ut:
Jumper****	12-pole	DN-12JFE	10	\$;-07l,:	DN-12JFE	10	\$;-07l,:
Jumper Cutting Tool		DN-JFECUT	1	\$;004,h:	DN-JFECUT	1	\$;004,h:
35mm DIN Rail	7.5 mm high	DN-R35S1	10	\$-07lx:	DN-R35S1	10	\$-07lx:
		DN-R35S1-2	2	\$-07ly:	DN-R35S1-2	2	\$-07ly:
	15mm high	DN-R35HS1	10	\$-07lu:	DN-R35HS1	10	\$-07lu:
		DN-R35HS1-2	2	\$-07lv:	DN-R35HS1-2	2	\$-07lv:
End Brackets		DN-EB35	50	\$07zg:	DN-EB35	50	\$07zg:
		DN-EB35MN	20	\$-07zj:	DN-EB35MN	20	\$-07zj:
		DN-EB35-A	50	\$07zh:	DN-EB35-A	50	\$07zh:
		DN-EB35-A-10	10	\$-07zi:	DN-EB35-A-10	10	\$-07zi:
		DN-QEB35	50	\$07zk:	DN-QEB35	50	\$07zk:
		DN-QEB35-10	10	\$-07zl:	DN-QEB35-10	10	\$-07zl:
Angled Support Bracket		DN-ASB1	50	\$-007lk:	DN-ASB1	50	\$-007lk:
Disconnect Blade		DN-DIS-BLADE	50	\$07z9:	DN-DIS-BLADE	50	\$07z9:
		DN-DIS-BMN	10	\$05cs:	DN-DIS-BMN	10	\$05cs:
Supplementary Protector		DN-SUPP-x***	see next page		DN-SUPP-x***	see next page	
Marking Tags		DN-LA or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various

*For copper wire only

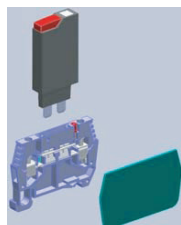
**When aligned along, use one End Covers/Spacers per DN-FEx. When aligned in a row, use two End Covers/Spacers per DN-FEx

***Trip ratings available from 0.25 A to 10A

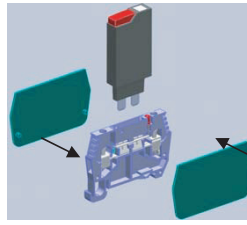
****For jumper installation, use two End Covers/Spacers per DN-FEx

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

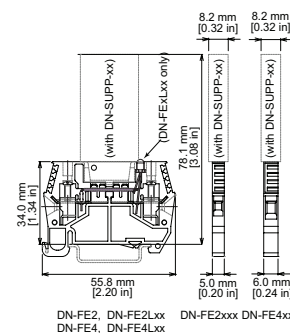
DN-FEx with DN-SUPP-x
Supplementary Protector



When aligned alone, use
DN-FESEP



When aligned in a row, use
2pcs **DN-FESPA** for **DN-FE2**
2pcs **DN-FESEP** for **DN-FE4**



DN-DIS-xxx dimensions are the same as DN-FExxx dimensions.

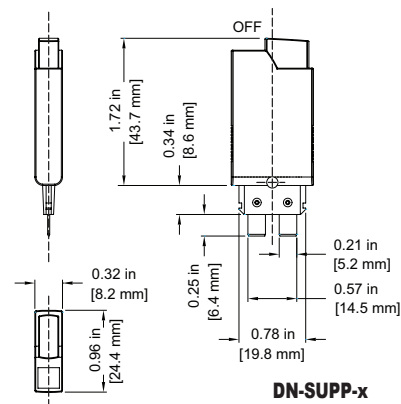

DINnectors

Supplementary Protectors for Terminal Block Sockets

Supplementary Protectors							
Part Number	Reference	Rated Current	Internal Resistance	Type	Fits Socket	Qty	Price
DN-SUPP-P25	435T0025	0.25 A	14Ω	UL1077 Single Pole Push On Push Off Push to Reset	Terminal Block Socket Types: DN-FEx or DN-DISx if disconnect blade is removed	20	\$007yz:
DN-SUPP-P25-1						1	\$:07yj]:
DN-SUPP-P5	435T0050	0.5 A	3.4 Ω				
DN-SUPP-P5-1						1	\$07y_:
DN-SUPP-1	435T0100	1A	0.9 Ω				
DN-SUPP-1-1						1	\$-007yi:
DN-SUPP-2	435T0200	2A	0.25 Ω				
DN-SUPP-2-1						1	\$007yn:
DN-SUPP-3	435T0300	3A	0.11 Ω				
DN-SUPP-3-1						1	\$07yo:
DN-SUPP-4	435T0300	3A	0.11 Ω				
DN-SUPP-4-1						1	\$07yp:
DN-SUPP-4	435T0400	4A	0.07 Ω				
DN-SUPP-4-1						1	\$07yq:
DN-SUPP-6	435T0400	4A	0.07 Ω				
DN-SUPP-6-1						1	\$07ys:
DN-SUPP-6	435T0600	6A	≤0.05 Ω				
DN-SUPP-6-1						1	\$07yt:
DN-SUPP-8	435T0600	6A				20	\$07yu:
DN-SUPP-8-1						1	\$07yv:
DN-SUPP-8	435T0800	8A				20	\$07yx:
DN-SUPP-8-1						1	\$07yy:
DN-SUPP-10	435T0800	8A	20	\$-007yj:			
DN-SUPP-10-1			1	\$07yk:			



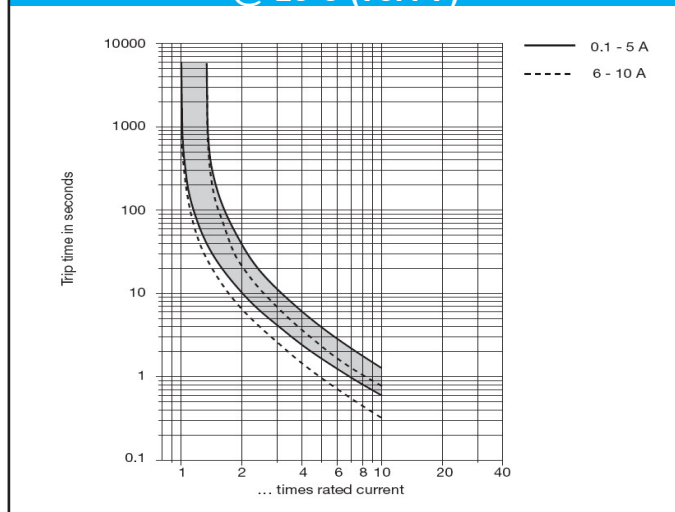
DN-SUPP-x
Supplementary Protector
(plugs into DN-FE EURO F series socket)



DN-SUPP-x

Supplementary Protector Specifications DN-SUPP-x Series	
Voltage Rating (UL – U.S. & Canada)	250VAC / 72VDC
Voltage Rating (VDE)	250VAC / 65VDC
Typical Life Span	6,000 operations @ 1 x IN (low inductance) 3,000 operations @ 1 x IN (inductive) 500 operations @ 2 x IN (inductive)
Insulation Coordination (IEC 60664 & 60664A)	Rated impulse withstand voltage 2.5 kV; reinforced insulation in operating area; pollution degree 2
Dielectric Strength (IEC 60664 & 60664A)	Operating area: 3,000VAC Installation area: 1,500VAC
Insulation Resistance	>100MΩ @ 500VDC
Interrupting Capacity (UL 1077), SCCR	2,000A @ 250VAC; 200A @ 65VDC, SCCR = 2kA with series overcurrent protection
Interrupting Capacity ICN	0.1 to 5A: 6 x IN 6 to 10A: 8 x IN
Degree of Protection (IEC 60529 / DIN 40050)	Operating area IP40; terminal area IP00
Vibration (without terminal block)	5g (57-500 Hz) ±0.38 mm (10-57 Hz) to IEC 60068-2-6, test Fc, 10 frequency cycles/axis and to EN 50155
Shock (without terminal block)	25g (11ms) to IEC 60068-2-27, test Ea
Corrosion	96 hours @ 5% salt mist to IEC 60068-2-11, test Ka
Usage Temperature	-4 to 140°F (-20 to 60°C)
Humidity	240 hours @ 95% RH to IEC 60068-2-3, test Ca
Mass (weight)	15g (0.53 oz)
Agency Approval	UL file # E320462 (435T Series); VDE
Mounting Restrictions	When 2 or more devices are mounted side by side, each device should only carry 80% of its rating, or must be derated accordingly.

DN-SUPP-x typical time/current characteristics @ 23°C (73.4°F)



The time/current characteristic curve depends upon the prevailing ambient temperature. In order to eliminate nuisance tripping, multiply the supplementary protector current ratings by the derating factor shown below:

Ambient Temperature	°F	-22	-4	14	32	73.4	104	122	140
	°C	-30	-20	-10	0	23	40	50	60
Temp Derating Factor		0.8	0.76	0.84	0.92	1	1.08	1.16	1.24

Note: When 2 or more devices are mounted side by side, each device should only carry 80% of its rating, or must be derated accordingly.

 DINnectors® Accessories

Marking Tags Cross Reference Charts - Screw-type

DINnector 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	–	–
<u>DN-T3/0</u>	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	–	–
<u>DN-MG10</u>	–	–	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	–	–

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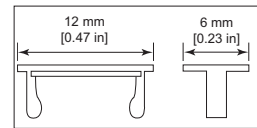
DINnectors® Accessories

Marking Tags

Marking Tags DN-L Series

Part Number	Marking Sequence	Qty	Price
DN-L50	1-50	500	\$07vp:
DN-L100	51-100	500	\$07vg:
DN-L150	101-150	500	\$07vh:
DN-L200	151-200	500	\$-07vi:
DN-L250	201-250	500	\$-07vj:
DN-L300	251-300	500	\$07vk:
DN-L350	301-350	500	\$-07vl:
DN-L400	351-400	500	\$07vn:
DN-L450	401-450	500	\$07vo:
DN-LB	Blank	500	\$07vq:
DN-LS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	\$07vs:

Dimensions

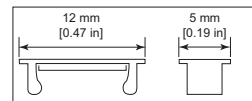


- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fit all DINnectors 6mm wide and wider.
- There will be a gap between tags on blocks wider than 6mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LA Series

Part Number	Marking Sequence	Qty	Price
DN-LA100	1-100	500	\$;07u!:
DN-LA200	101-200	500	\$07u?:
DN-LA300	201-300	500	\$;07u,::
DN-LA400	301-400	500	\$07v0:
DN-LAB	Blank Tags	500	\$07v1:
DN-LAS	L1, L2, L3, L, N, GND, +, -, COM,COM*	500	\$07v2:

Dimensions

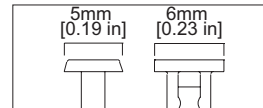


- The marking sequence of 100 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LA tags fit all DINnectors 5mm wide and wider. There will be a gap between tags on blocks wider than 5mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LAT Series

Part Number	Marking Sequence	Qty	Price
DN-LAT100-A	1-100	500	\$07v4:
DN-LAT200-A	101-200	500	\$07v6:
DN-LAT300-A	201-300	500	\$07v8:
DN-LAT400-A	301-400	500	\$07va:
DN-LAT500-A	401-500	500	\$07vb:
DN-LAT600-A	501-600	500	\$07vc:
DN-LATB-A	Blank Tags	500	\$07vd:
DN-LATS-A	L1, L2, L3, L, N, +, -, COM,COM*	500	\$;07vf:

Dimensions

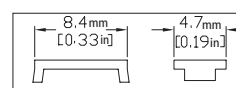


- The marking sequence of 500 tags (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-QL Series

Part Number	Marking Sequence	Qty	Price
DN-QL100	1-100	500	\$059o:
DN-QL200	101-200	500	\$059p:
DN-QL300	201-300	500	\$059q:
DN-QL400	301-400	500	\$059s:
DN-QL500	401-500	500	\$;059t:
DN-QLB	Blank Tags	500	\$059u:
DN-QLS	L1, L2, L3, L, N, +, -, COM,COM*	500	\$059v:

Dimensions

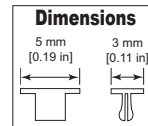


- The marking sequence of 500 (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

DINnectors® Accessories

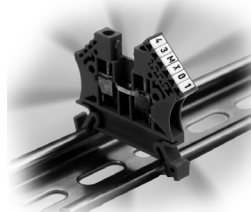
Marking Tags continued

Marking Tags DN-LT Series			
Part Number	Marking Sequence	Qty	Price
DN-LT15	1-5	100	\$07vv:
DN-LT60	6-0	100	\$07v_:
DN-LT1	1	100	\$07vu:
DN-LT2	2	100	\$07vx:
DN-LT3	3	100	\$07vy:
DN-LT4	4	100	\$07vz:
DN-LT5	5	100	\$07v[:
DN-LT6	6	100	\$07v[:
DN-LT7	7	100	\$07v#:
DN-LT8	8	100	\$07v!:
DN-LT9	9	100	\$07v?:
DN-LT0	0	100	\$07vt:
DN-LTBLNK	Unprinted	100	\$07x2:
DN-LTA	A	100	\$07v,:
DN-LTB	B	100	\$07x1:
DN-LTC	C	100	\$07x3:
DN-LTD	D	100	\$07x4:
DN-LTE	E	100	\$07x6:
DN-LTF	F	100	\$07x7:
DN-LTG	G	100	\$07x8:
DN-LTH	H	100	\$07xa:
DN-LTI	I	100	\$07xb:
DN-LTJ	J	100	\$07xc:
DN-LTK	K	100	\$07xd:
DN-LTL	L	100	\$07xe:
DN-LTM	M	100	\$07xf:
DN-LTN	N	100	\$07xg:
-	-	-	-
DN-LTP	P	100	\$07xi:
DN-LTQ	Q	100	\$07xk:
DN-LTR	R	100	\$07xl:
DN-LTS	S	100	\$07xn:
DN-LTT	T	100	\$07xo:
DN-LTU	U	100	\$07xp:
DN-LTV	V	100	\$07xq:
DN-LTW	W	100	\$07xs:
DN-LTX	X	100	\$07xt:
DN-LTY	Y	100	\$07xu:
DN-LTZ	Z	100	\$07xv:
DN-LTGND	⊕	100	\$07x9:
DN-LTPOS	+	100	\$07xj:
DN-LTNEG	-	100	\$07xh:
DN-LTAC	~	100	\$07x0:
DN-LTDC	=	100	\$07x5:

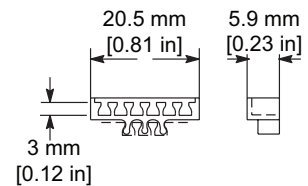


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DINnectors support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

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	\$07xx:

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	\$059k:
DN-EMLBL2	Labels printed 1 – 12		100	\$-059l:
DN-EMLBL3	Labels printed 13 – 24		100	\$059n:

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	\$,86]:

**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	\$059x:
DN-WM-1	Wire tag holder, clear, 12mm length, 0.051–0.118 in diameter; for 22–16 AWG wire	DN-WMTAG1	200	\$0edg:
DN-WM-2	Wire tag holder, clear, 12mm length, 0.098–0.196 in diameter; for 16–11 AWG wire		200	\$0edh:
DN-WM-3	Wire tag holder, clear, 12mm length, 0.157–0.393 in diameter; for 13–5 AWG wire		100	\$-edi:
DN-WM-4	Wire tag holder, clear, 12mm length, 0.314–0.629 in diameter; for 5AWG wire		100	\$-edj: