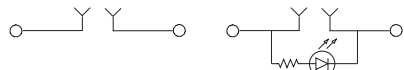




Supplementary Protector / Disconnect Terminal Block Sockets

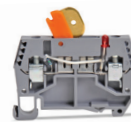
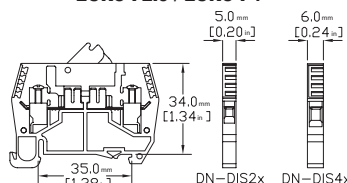
DN-DIS series Disconnect Terminal Blocks offer the flexibility of opening a circuit without removing any wiring. Available with or without LED indication in 12VDC and 24VDC, they can also be used as a socket for the DN-SUPP series Supplementary Protectors by simply removing the Disconnect Blade.



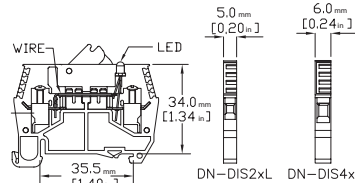
WARNING: DO NOT DISCONNECT UNDER LOAD



**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	\$128.00	DN-DIS4	—	50	\$128.00
	DN-DIS2MN	—	10	\$31.50	DN-DIS4MN	—	10	\$31.50
	DN-DIS2L12	12 VAC/DC LED	50	\$163.00	DN-DIS4L12	12 VAC/DC LED	50	\$163.00
	DN-DIS2L12MN	12 VAC/DC LED	10	\$37.00	DN-DIS4L12MN	12 VAC/DC LED	10	\$37.00
	DN-DIS2L24	24 VAC/DC LED	50	\$163.00	DN-DIS4L24	24 VAC/DC LED	50	\$163.00
	DN-DIS2L24MN	24 VAC/DC LED	10	\$37.00	DN-DIS4L24MN	24 VAC/DC LED	10	\$37.00

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	\$26.50	DN-FESPA		50	\$26.50
	DN-FESPA-10		10	\$5.25	DN-FESPA-10		10	\$5.25
Separator	DN-FESEP		50	\$26.50	DN-FESEP		50	\$26.50
	DN-FESEP-10		10	\$5.25	DN-FESEP-10		10	\$5.25
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
Disconnect Blade	DN-DIS-BLADE		50	\$36.00	DN-DIS-BLADE		50	\$36.00
	DN-DIS-BMN		10	\$9.75	DN-DIS-BMN		10	\$9.75
Marking Tags	DN-LA or DN-LT series		500/ 100	various	DN-L or DN-LT series		500/ 100	various

*For copper wire only

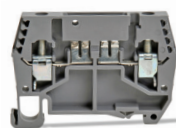
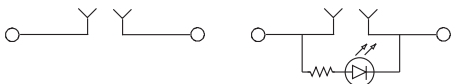
**Use one End Cover / Spacer per DN-FEx Terminal Block Socket when using DN-SUPP-x supplementary protector

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

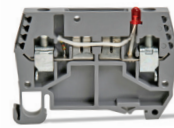


DINnectors® Terminal Block Sockets

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	\$112.00	DN-FE4	—	50	\$112.00
	DN-FE2-5	—	5	\$12.50	DN-FE4-5	—	5	\$12.50
	DN-FE2L12	12 VAC/DC LED	50	\$150.00	DN-FE4L12	12 VAC/DC LED	50	\$150.00
	DN-FE2L12-5	12 VAC/DC LED	5	\$15.00	DN-FE4L12-5	12 VAC/DC LED	5	\$15.00
	DN-FE2L24	24 VAC/DC LED	50	\$150.00	DN-FE4L24	24 VAC/DC LED	50	\$150.00
	DN-FE2L24-5	24 VAC/DC LED	5	\$15.00	DN-FE4L24-5	24 VAC/DC LED	5	\$15.00

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	\$26.50	DN-FESPA	50	\$26.50
		DN-FESPA-10	10	\$5.25	DN-FESPA-10	10	\$5.25
Separator		DN-FESEP	50	\$26.50	DN-FESEP	50	\$26.50
		DN-FESEP-10	10	\$5.25	DN-FESEP-10	10	\$5.25
Jumper****	12-pole	DN-12JFE	10	\$60.00	DN-12JFE	10	\$60.00
Jumper Cutting Tool		DN-JFECUT	1	\$92.00	DN-JFECUT	1	\$92.00
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
Disconnect Blade		DN-DIS-BLADE	50	\$36.00	DN-DIS-BLADE	50	\$36.00
		DN-DIS-BMN	10	\$9.75	DN-DIS-BMN	10	\$9.75
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

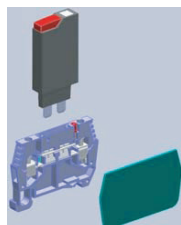
**When aligned along, use one End Covers/Spacers per DN-FEx. When aligned in a row, use two End Covers/Spacers per DN-FEx

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

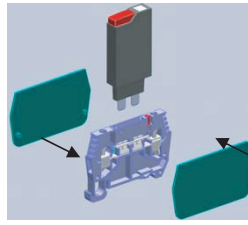
****For jumper installation, use two End Covers/Spacers per DN-FEx

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

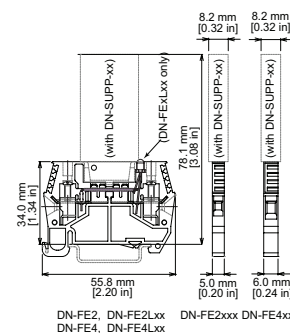
DN-FEx with DN-SUPP-x
Supplementary Protector



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-FE2, DN-FE2Lxx, DN-FE4, DN-FE4Lxx
DN-DIS-xxx dimensions are the same as DN-FExxx dimensions.

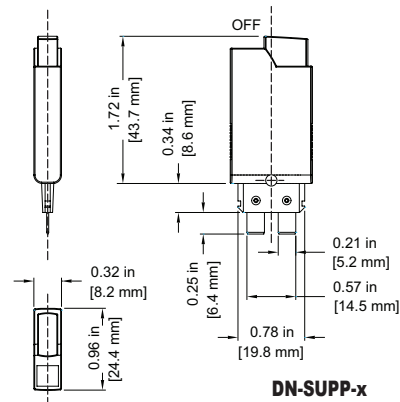

DINnectors

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	\$332.00
DN-SUPP-P25-1						1	\$17.50
DN-SUPP-P5	435T0050	0.5 A	3.4 Ω			20	\$332.00
DN-SUPP-P5-1			1			\$17.50	
DN-SUPP-1	435T0100	1A	0.9 Ω			20	\$332.00
DN-SUPP-1-1			1			\$17.50	
DN-SUPP-2	435T0200	2A	0.25 Ω			20	\$332.00
DN-SUPP-2-1			1			\$17.50	
DN-SUPP-3	435T0300	3A	0.11 Ω			20	\$332.00
DN-SUPP-3-1			1			\$17.50	
DN-SUPP-4	435T0400	4A	0.07 Ω			20	\$332.00
DN-SUPP-4-1			1			\$17.50	
DN-SUPP-6	435T0600	6A	≤0.05 Ω			20	\$332.00
DN-SUPP-6-1						1	\$17.50
DN-SUPP-8	435T0800	8A				20	\$332.00
DN-SUPP-8-1						1	\$17.50
DN-SUPP-10	435T1000	10A				20	\$332.00
DN-SUPP-10-1						1	\$17.50



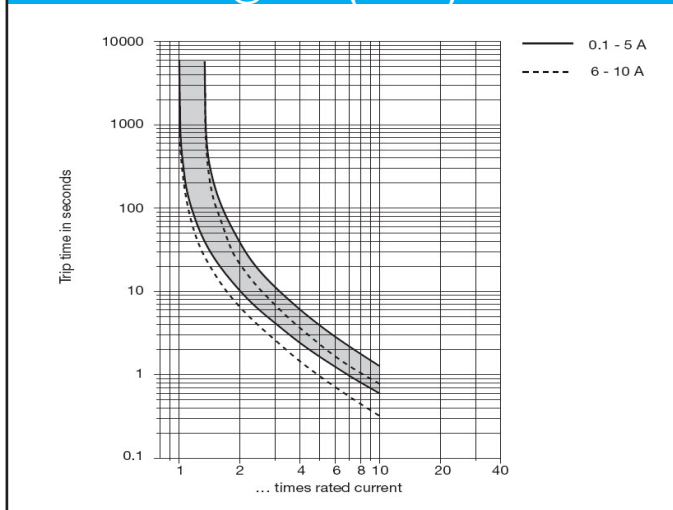
DN-SUPP-x
Supplementary Protector
(plugs into DN-FE EURO F series socket)



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	–	–

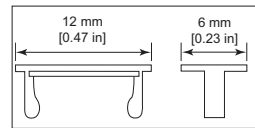
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Marking Tags

Marking Tags DN-L Series

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

Dimensions

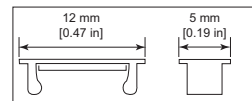


- The marking sequence of 50 tags (i.e. 101-150) is printed 10 times in each package of 500.
- The DN-L tags fit all DINnectors 6mm wide and wider.
- There will be a gap between tags on blocks wider than 6mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LA Series

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

Dimensions

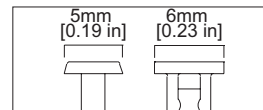


- The marking sequence of 100 tags (i.e. 1-100) is printed five times in each package of 500.
- The DN-LA tags fit all DINnectors 5mm wide and wider. There will be a gap between tags on blocks wider than 5mm.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-LAT Series

Part Number	Marking Sequence	Qty	Price
<u>DN-LAT100-A</u>	1-100	500	\$49.00
<u>DN-LAT200-A</u>	101-200	500	\$49.00
<u>DN-LAT300-A</u>	201-300	500	\$49.00
<u>DN-LAT400-A</u>	301-400	500	\$49.00
<u>DN-LAT500-A</u>	401-500	500	\$49.00
<u>DN-LAT600-A</u>	501-600	500	\$49.00
<u>DN-LATB-A</u>	Blank Tags	500	\$35.50
<u>DN-LATS-A</u>	L1, L2, L3, L, N, +, -, COM, COM*	500	\$49.00

Dimensions

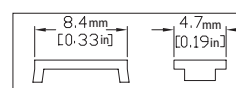


- The marking sequence of 500 tags (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

Marking Tags DN-QL Series

Part Number	Marking Sequence	Qty	Price
<u>DN-QL100</u>	1-100	500	\$42.50
<u>DN-QL200</u>	101-200	500	\$42.50
<u>DN-QL300</u>	201-300	500	\$42.50
<u>DN-QL400</u>	301-400	500	\$42.50
<u>DN-QL500</u>	401-500	500	\$42.50
<u>DN-QLB</u>	Blank Tags	500	\$36.00
<u>DN-QLS</u>	L1, L2, L3, L, N, +, -, COM, COM*	500	\$49.00

Dimensions

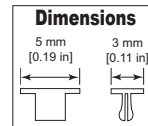


- The marking sequence of 500 (i.e. 1-100) is printed five times in each package of 500.
- Material: Thermoplastic with heat embossed black print.

DINnectors® Accessories

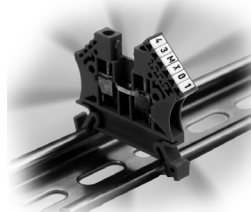
Marking Tags continued

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

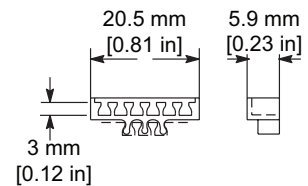


- These marking tags allow the flexibility of creating custom marking sequences on site.
- The DN-M series supports a maximum of three digits (tags), while other DINnectors support up to four digits (tags).
- Material: Thermoplastic with heat embossed black print.

DN-MTA marking tag adapter



DN-MTA dimensions



Part Number	Description	Qty	Price
DN-MTA	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
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