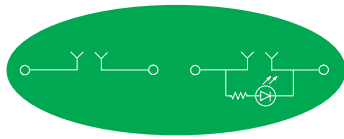


Supplementary Protector / Disconnect Terminal Block Sockets



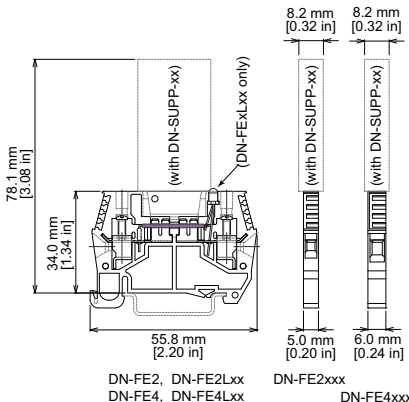
F2.5/F4
SP SOCKET BLOCK

F2.5/F4
SP SOCKET BLOCK
w/LED

F2.5/F4
DISC. SOCKET

F2.5/F4
DISC. SOCKET
w/LED

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. The LED blocks are polarity sensitive, with the LED side negative.



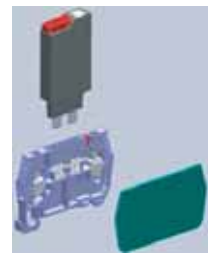
DN-FE2, DN-FE2Lxx
DN-FE4, DN-FE4Lxx
DN-DIS-xxx dimensions are the same as DN-FExxx dimensions.

Gray Term Block	Part #	Trip Indicator	Pcs /Pkg	Price /Pkg	Part #	Trip Indicator	Pcs /Pkg	Price /Pkg
Socket Only	DN-FE2	-	50	<--->	DN-FE4	-	50	<--->
	DN-FE2L12	12 VAC/DC LED	50	<--->	DN-FE4L12	12 VAC/DC LED	50	<--->
	DN-FE2L24	24 VAC/DC LED	50	<--->	DN-FE4L24	24 VAC/DC LED	50	<--->
Socket with Disconnect	DN-DIS2	-	50	<--->	DN-DIS4	-	50	<--->
	DN-DIS2L12	12 VAC/DC LED	50	<--->	DN-DIS4L12	12 VAC/DC LED	50	<--->
	DN-DIS2L24	24 VAC/DC LED	50	<--->	DN-DIS4L24	24 VAC/DC LED	50	<--->
Terminal Block Socket Specifications								
UL Approval *	300V	10A with SUPP 20A with disconnect	24-12 AWG *	300V	10A with SUPP 25A with disconnect	24-10 AWG *		
Agency File #	UL E179129							
Wire Strip Length	0.20 in (5 mm)				0.24 in (6 mm)			
Tightening Torque	4.5 lb-in (0.5 N-m)				7 lb-in (0.8 N-m)			
Operating Temperature	Ambient air temperature: -13°F to 104°F (-25°C to 40°C) Relative humidity: 50% max at 104°F (40°C); 90% max at 68°F (20°C)							
* For copper wire only								

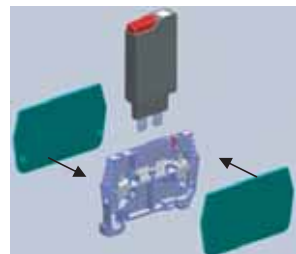


DN-FEx with DN-SUPP-x Supplementary Protector

Accessories								
	Part #	Descrip-tion	Pcs /Pkg	Price /Pkg	Part #	Descrip-tion	Pcs /Pkg	Price /Pkg
Supplementary Protector	DN-SUPP-x	trip ratings available from 0.25A – 10A					see next page	
Disconnect Blade	DN-DIS-BLADE	use instead of SUPP for DN-FE, or as replacement blade for DN-DIS					50	<--->
End Bracket	DN-EB35						50	<--->
	DN-EB35MN						20	<--->
	DN-EB35-A						50	<--->
	DN-QEB35						50	<--->
End Cover / Spacer *	DN-FESPA						50	<--->
Separator	DN-FESEP						50	<--->
Marking Tags	DN-LA or DN-LT series	500/100	various	DN-L or DN-LT series	500/100	various		
Angled Support Bracket	DN-ASB1						50	<--->
35 mm DIN Rail	Part No. DN-R35S1 (7.5 mm high) or DN-R35HS1 (15 mm high)							
* Use one End Cover / Spacer per DN-FEx TB Socket when using DN-SUPP-x supplementary protector								



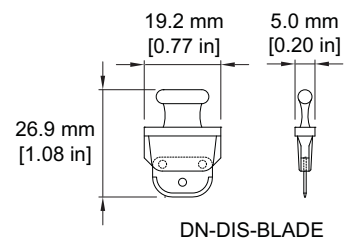
When aligned alone, you should use **DN-FESEP**



When aligned in a row, you shall use:
n° 2pcs **DN-FESPA** for **DN-FE2**
n° 2pcs **DN-FESEP** for **DN-FE4**



DN-DIS-BLADE



DN-DIS-BLADE

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

Supplementary Protectors for Terminal Block Sockets



Company Info.

PLCs

Field I/O

Software

C-more & other HMI

AC Drives

AC Motors

Power Transmiss.

Steppers/ Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pressure Sensors

Temp. Sensors

Pushbuttons/ Lights

Process

Relays/ Timers

Comm.

Terminal Blocks & Wiring

Power

Circuit Protection

Enclosures

Tools

Pneumatics

Appendix

Part Index

Accessories – Supplementary Protectors							
Part #	Reference	Rated Current	Internal Resistance	Type	Fits Socket	Pcs /Pkg	Price /Pkg
DN-SUPP-P25	435T0025	0.25A	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	<--->
DN-SUPP-P5	435T0050	0.5A	3.4Ω				<--->
DN-SUPP-1	435T0100	1A	0.9Ω				<--->
DN-SUPP-2	435T0200	2A	0.25Ω				<--->
DN-SUPP-3	435T0300	3A	0.11Ω				<--->
DN-SUPP-4	435T0400	4A	0.07Ω				<--->
DN-SUPP-6	435T0600	6A	≤0.05Ω				<--->
DN-SUPP-8	435T0800	8A					<--->
DN-SUPP-10	435T1000	10A					<--->

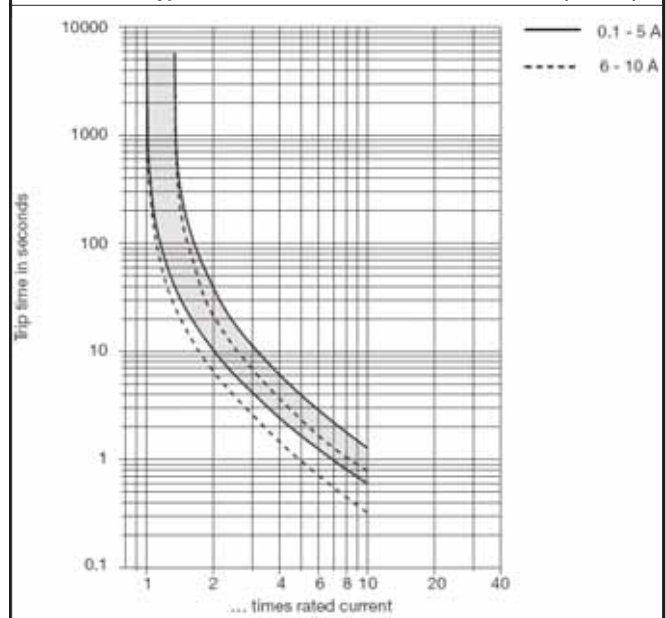


DN-SUPP-x Supplementary Protector (plugs into DN-FE EURO F series socket)

Supplementary Protector Specifications – DN-SUPP-x Series

Voltage Rating (UL – U.S. & Canada)	250 VAC / 72 VDC
Voltage Rating (VDE)	250 VAC / 65 VDC
Typical Life Span	6,000 operations @ 1 x I _N (low inductance) 3,000 operations @ 1 x I _N (inductive) 500 operations @ 2 x I _N (inductive)
Insulation Coordination (IEC 60664 & 60664A)	rated impulse withstand voltage 2.5kV; reinforced insulation in operating area; pollution degree 2
Dielectric Strength (IEC 60664 & 60664A)	operating area: 3,000 VAC installation area: 1,500 VAC
Insulation Resistance	>100 MΩ @ 500VDC
Interrupting Capacity (UL 1077)	2,000A @ 250VAC ; 200A @ 65VDC
Interrupting Capacity I_{CN}	0.1 to 5A: 6 x I _N 6 to 10A: 8 x I _N
Degree of Protection (IEC 60529 / DIN 40050)	operating area IP40; terminal area IP00
Vibration (without terminal block)	5g (57-500 Hz) ±0.38mm (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
Operating Temperature	-4°F to 140°F (-20°C 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	

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.

