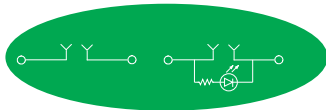


Supplementary Protector / Disconnect Terminal Block Sockets



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



DN-DISx Series: EURO F2 / EURO F4



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

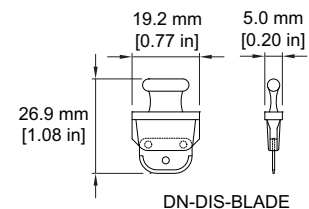


DN-DIS-BLADE

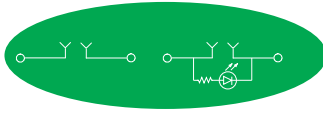
Gray Term Block	Part Number	Trip Indicator	Pcs /Pkg	Price /Pkg	Part Number	Trip Indicator	Pcs /Pkg	Price /Pkg
Socket with Disconnect	DN-DIS2	—	50	<--->	DN-DIS4	—	50	<--->
	DN-DIS2L12	12 VAC/DC LED	50	<--->	DN-DIS4L12	12 VAC/DC LED	50	<--->
	DN-DIS2L24	24 VAC/DC LED	50	<--->	DN-DIS4L24	24 VAC/DC LED	50	<--->
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								

Accessories								
	Part Number	Description	Pcs /Pkg	Price /Pkg	Part Number	Description	Pcs /Pkg	Price /Pkg
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 or DN-QEB35		50	various				
	DN-EB35-A-10 or DN-QEB35-10		10	various				
End Cover / Spacer *	DN-FESPA		50	<--->				
	DN-FESPA-10		10	<--->				
Separator	DN-FESEP		50	<--->				
	DN-FESEP-10		10	<--->				
Marking Tags	DN-LA or DN-LT series		500/100	various	DN-L or DN-LT series		500/100	<--->
Angled Support Bracket	DN-ASB1		50	<--->				
35 mm DIN Rail	DN-R35S1 (7.5 mm high) or DN-R35HS1 (15 mm high)		10	various				
	DN-R35S1-2 (7.5 mm high) or DN-R35HS1-2 (15 mm high)		2	various				
* Use one End Cover / Spacer per DN-FEx TB Socket when using DN-SUPP-x supplementary protector								

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



Terminal Block Sockets



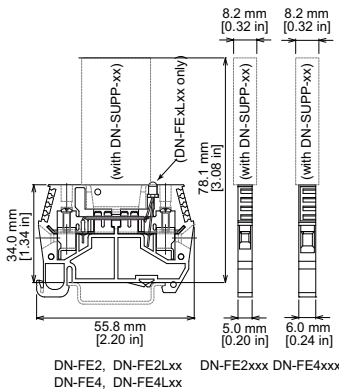
DN-FE series terminal block sockets accept separately available circuit disconnects or supplementary protectors. The DN-FE blocks are available either with or without a trip-indicating LED. The LED blocks are polarity-sensitive, with the LED side negative.



DN-FEx Series: EURO F2 / EURO F4



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



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

Gray Term Block	Part Number	Trip Indicator	Pcs /Pkg	Price /Pkg	Part Number	Trip Indicator	Pcs /Pkg	Price /Pkg
Socket Only	DN-FE2	—	50	<--->	DN-FE4	—	50	<--->
	DN-FE2-5	—	5	<--->	DN-FE4-5	—	5	<--->
	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	<--->
	DN-FE2L24-5	24 VAC/DC LED	5	<--->	DN-FE4L24-5	24 VAC/DC LED	5	<--->

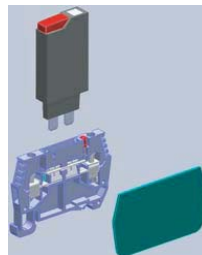
Terminal Block Socket Specifications						
UL Approval *	300V	10A with SUPP 20A with disconnect	24-12 AWG *	300V	10A with SUPP 25A with disconnect	24-10 AWG *
Agency File #	UL E179129					
Wire Strip Length	0.20 in (5 mm)			0.24 in (6 mm)		
Tightening Torque	4.5 lb-in (0.5 N-m)			7 lb-in (0.8 N-m)		
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						



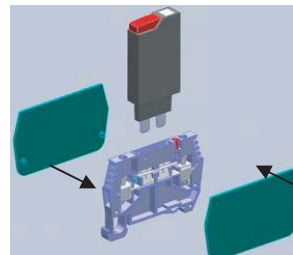
DN-FEx with DN-SUPP-x Supplementary Protector

Accessories								
	Part Number	Description	Pcs /Pkg	Price /Pkg	Part Number	Description	Pcs /Pkg	Price /Pkg
Supplementary Protector	DN-SUPP-x trip ratings available from 0.25A to 10A						see next page	
End Bracket	DN-EB35						50	<--->
	DN-EB35MN						20	<--->
	DN-EB35-A						50	<--->
	DN-QEB35						50	<--->
	DN-EB35-A-10						10	<--->
	DN-QEB35-10						10	<--->
End Cover / Spacer *	DN-FESPA						50	<--->
	DN-FESPA-10						10	<--->
Separator	DN-FESEP						50	<--->
	DN-FESEP-10						10	<--->
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	DN-R35S1 (7.5 mm high) or DN-R35HS1 (15 mm high)						10	various
	DN-R35S1-2 (7.5 mm high) or DN-R35HS1-2 (15 mm high)						2	various
* Use one End Cover / Spacer per DN-FEx TB Socket when using DN-SUPP-x supplementary protector								

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



When aligned alone, use DN-FESEP



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

Supplementary Protectors for Terminal Block Sockets

Company Information

Systems Overview

Programmable Controllers

Field I/O

Software

C-more & other HMI

Drives

Soft Starters

Motors & Gearbox

Steppers/Servos

Motor Controls

Proximity Sensors

Photo Sensors

Limit Switches

Encoders

Current Sensors

Pressure Sensors

Temperature Sensors

Pushbuttons/Lights

Process

Relays/Timers

Comm.

Terminal Blocks & Wiring

Power

Circuit Protection

Enclosures

Tools

Pneumatics

Appendix

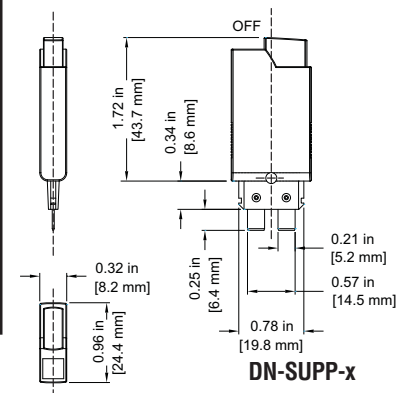
Product Index

Part # Index

Accessories – Supplementary Protectors							
Part Number	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-P25-1						1	<--->
DN-SUPP-P5	435T0050	0.5A	3.4Ω			20	<--->
DN-SUPP-P5-1						1	<--->
DN-SUPP-1	435T0100	1A	0.9Ω			20	<--->
DN-SUPP-1-1						1	<--->
DN-SUPP-2	435T0200	2A	0.25Ω			20	<--->
DN-SUPP-2-1						1	<--->
DN-SUPP-3	435T0300	3A	0.11Ω			20	<--->
DN-SUPP-3-1						1	<--->
DN-SUPP-4	435T0400	4A	0.07Ω			20	<--->
DN-SUPP-4-1						1	<--->
DN-SUPP-6	435T0600	6A	≤0.05Ω			20	<--->
DN-SUPP-6-1						1	<--->
DN-SUPP-8	435T0800	8A	≤0.05Ω			20	<--->
DN-SUPP-8-1						1	<--->
DN-SUPP-10	435T1000	10A	≤0.05Ω	20	<--->		
DN-SUPP-10-1				1	<--->		



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 @ 500 VDC
Interrupting Capacity (UL 1077), SCCR	2,000A @ 250 VAC; 200A @ 65 VDC, SCCR = 2 kA with series overcurrent protection
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) ±0.38 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
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	<i>When 2 or more devices are mounted side by side, each device should only carry 80% of its rating, or must be derated accordingly.</i>

