

Information Sheet DIN Rail Supplementary Protectors Ex9 Series - B1E



NOARK Electric's B1E Supplementary Protectors A perfect blend of quality, performance and exceptional value

Broad Product Range

- Amperage ratings: 1~125 A

Rugged Performance

- 5 kA rms interrupting rating @ 480Y/277 Vac

Global Acceptance

- Certified to UL 1077, CSA 22.2 and IEC 60947-2

Four Short-Circuit Protection Levels

- B Curve (3~5 In)
- C Curve (5~10 In)
- D Curve (10~20 In)
- 8~12 In (80~125 A only)

Multiple Accessories

- Extended rotary handle
- Electrical auxiliaries
- Locking device



		B1E							
Conformed Standard		UL 1077							
Rated Operational Voltage (V)		480Y/277 Vac; 125 Vdc							
Rated Frequency (Hz)		50/60							
Rated Current (A)		1~63				80~125			
Number of Poles		1	2	3	4	1	2	3	4
Instantaneous Tripping Type		B (3~5 In), C (5~10 In), D (10~20 In)				8~12 In			
Interrupting (kA)	120 Vac	10							-
	120/240 Vac								-
	240 Vac			10					5
	277 Vac	5			-				
	480 Vac								-
	480Y/277 Vac	-			5				
	60 Vdc		10						
	60/110 Vdc						10		-
	110 Vdc								10
	125 Vdc			10					
220 Vdc									10
Inverse Time-Delay Over-Current Release Type		Thermal-Magnetic							
Service Life	Electrical	6,000				1,500 (80~100 A) 1,000 (125 A)			
	Mechanical	20,000				8,000 (80~100 A) 7,000 (125 A)			
Protection Degree		IP 20							
Wire AWG (mm ²)		14~4 (2.5~21)				4~1/0 (21~53.5)			
Operating Temperature Range		-22 °F to 167 °F (-30 °C to +75 °C)							
Insulation Coordination	Rated Insulation Voltage (Vac)	500							
	Rated Impulse Withstand Voltage (kV)	6				8			
Pollution Degree		Class III							
Over Voltage Category / Mounting		Class III / 35 mm DIN rail							
Altitude ft (m)		Does not exceed 6,561 (2,000)							
Atmospheric Conditions		At 68 °F (+20), the relative humidity does not exceed 90% At 104 °F (+40), the relative humidity does not exceed 50%							

Product Selection Guide

