

Information Sheet DIN Rail Miniature Circuit Breakers Ex9 Series - B1H, B1N and B1A



B1A1C16



B1E4C16



NOARK Electric's Miniature Circuit Breakers

A perfect blend of quality, performance and exceptional value

Broad Product Range

- Amperage ratings: 0.5~63 A

Global Acceptance

- Certified to UL 489/489A, CSA 22.2 and IEC 60947-2

Flexible Terminals

- Less physical demand
- Detachable shield to make it faster and easier for installer

Three Terminal Options

- Box Lug
- Ring Tongue Terminal
- Quick Connect

Multiple Accessories

- Extended rotary handle
- Electrical auxiliaries
- Locking device



	B1H			B1N			B1NQ		B1A	
Conformed Standard	UL 489								UL 489A	
Rated Operational Voltage (V)	480Y/277 Vac			240 Vac 60 Vdc	240 Vac 125 Vdc	240 Vac	120/240 Vac		60 Vdc	
Rated Frequency (Hz)	50/60									
Rated Current (A)	0.5~20			0.5~63						
Number of Poles	1	2	3	1	2	3	1	2	1	
Instantaneous Tripping Type	B (3~5 In), C (5~10 In), D (10~20 In)									
Interrupting (kA)	120 Vac	-	10	-	-	-	10	-	-	
	240 Vac	10	-	10	-	-	-	-	-	
	277 Vac	-	-	-	-	-	-	-	-	
	480Y/277 Vac	-	10	-	-	-	-	-	-	
	60 Vdc	-	-	10	10	-	-	10	-	
125 Vdc	-	-	-	-	-	-	-	-		
Inverse Time-Delay Over-Current Release Type	Thermal-Magnetic									
Service Life	Electrical	10,000			6,000			10,000		
	Mechanical	20,000			10,000			20,000		
Protection Degree	IP 20									
Wire AWG (mm ²)	Single Wire	14~4 (2.5~21)								
	Two Wires	14~6 (2.5~13) / 14~10 (2.5~5)								
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								
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

B1	N	1	C	20	R	
NOARK Ex9 Series - B1	Standard	Pole	Trip Curve	Rated Current	Terminal Option	Accessories
	H: 480Y/277 Vac UL 489 Listed	1: 1 Pole	B: 3~5 In	B1H: 0.5~20 A	Blank: Box Lugs are Standard	<ul style="list-style-type: none"> Alarm Switch Auxiliary Contact DIN Rail Extended Rotary Handle Padlock Quick Connection Terminal Ring Tongue Terminal Shunt Trip Under-Voltage Trip
	N: 240 Vac; 60/125 Vdc UL 489 Listed	2: 2 Poles	C: 5~10 In	B1N: 0.5~63 A	R: Ring Tongue Terminal	
	NQ: 120/240 Vac; 60 Vdc (1&2 Pole Only)	3: 3 Poles	D: 10~20 In	B1NQ: 0.5~63 A	T: Quick Connection Terminal, Load Side (B1NQ 1 & 2 Pole Only)	
	A: 60 Vdc (1 Pole Only) UL 489A Listed			B1A: 0.5~63 A		

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