

DIN Rail Miniature Circuit Breakers - UL489

NOARK Miniature Circuit Breakers offer these advantages: high-performance, small size, excellent protection, easy DIN rail installation, fast wiring utilizing double terminal technology and ring tongue terminals. The integrated captive connecting screws simplify the connection process.

NOARK MCBs fulfill North American and global approval requirements. The NOARK B1H/B1N/B1D series is UL listed for 489 applications, as well as CSA C 22.2 No. 5.

Additionally, the NOARK B1E Series comply with UL 1077 for Supplemental Protector applications while also complying with both CSA 22.2 No. 235, IEC 60947-2 and UL 486 standards for connection terminals which allows the user to apply field wiring directly to the breaker. Inquire with ITC for more details on the B1E series.

Features and specifications:

- Three Terminal Options:
 - Box Lug
 - Ring Tongue Terminal
 - Quick Connect
- Multiple Accessories
 - Extended rotary handle
 - Electrical auxiliaries: auxiliary, shunt trip, under-voltage trip
 - Jumper combs
 - Locking device
- Flexible Terminals
 - Less physical demand
 - Detachable shield to make it faster and easier for installer
- Status indicator (red/green)
- **Module width:** 18mm (0.71") per pole
- **No. of poles:** 1, 2, 3
- **Voltage Ratings:** AC: 120, 240, 277, 480Y/277 DC: 60, 125, 250
- **Amperage ratings:** 0.5-63 A
- **Trip Curves:** B, C, D
- **Interrupting capacity:** 10 kA
- **Approvals:** cULus (UL 489, CSA 22.2 No. 5-16, IEC 60947-2); # E355392



	B1H			B1N			B1NQ		B1D	
Conformed Standard	UL 489									
Number of Poles	1	2	3	1	2	3	1	2	1	2
Rated Operational Voltage (V)	480Y/277 Vac			240 Vac 60 Vdc	240 Vac 125 Vdc	240 Vac	120/240 Vac		125 Vdc	250 Vdc
Rated Frequency (Hz)	50/60									
Rated Current (A)	0.5-32						0.5-63			
Instantaneous Tripping Type	B (3-5 In), C (5-10 In), D (10-20 In)									C (7-15 In), D (12-22 In)
Interrupting (kA)	120 Vac	-		10	-		10		-	
	240 Vac	-		10		-		-		
	277 Vac	10		-		-		-		
	480Y/277 Vac	-		-		-		-		
	60 Vdc	-		10	10		-		-	
	125 Vdc	-		-		10		-		10
	250 Vdc	-		-		-		-		10
Inverse Time-Delay Over-Current Release Type	Thermal-Magnetic									
Service Life	Electrical			10,000					6,000	
	Mechanical			20,000					10,000	
Protection Degree	IP 20									
Wire AWG (mm ²)	Single Wire			18-4 (0.75-25)						
	Two Wires			18-6 (0.75-16 / 14-10 (2.5-6)						
Operating Temperature Range	-22 °F to 167 °F (-30 °C to +75 °C)									
Insulation Coordination	Rated Insulation Voltage (V)			500						
	Rated Impulse Withstand Voltage (kV)			6						
Pollution Degree	Class III									
Over Voltage Category	Class III									
Mounting	35 mm DIN rail / Flush and surface mount available on B1NQ with the use of additional mounting clips									
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

