

NOARK

B1B2C40

MCB UL489 - 1002617 - 2P - 40A - C-curve - 10kA - 500Vdc

Miniature Circuit Breaker (MCB) - UL 489 SC - NOARK (B1B series) - 40A rated current - C-curve - 2-poles (2P) - 10kA interrupting rating - 500Vdc rated voltage - box lug connections - DIN rail mounting - equivalent to 1002617

Additional information

The technical information provided in the datasheet is subject to change without notice. For confirmation, please contact NOARK's product support team.

Specifications

Primary brand	NOARK
Main function	Miniature Circuit Breaker (MCB)
Product series / family name	Electrical protection > Circuit breakers > Miniature Circuit Breakers (MCBs) > UL489 > for DC applications
Sub-range name	B1B series
Functions	Miniature Circuit Breaker (MCB)
Design	Thermal-Magnetic inverse time-delay over-current release type "C" Tripping curve (thermal overload trip occurs at currents ranging from 9.6 to 14.4 x the nominal current)
Poles	2-poles (2P)
Rated current	40A
Rated Voltage (DC)	500Vdc
Rated impulse voltage (Uimp)	6 kV
Rated insulation voltage (Ui)	1000 V
Connection type	box lug connections
Tripping curve	C
Short circuit breaking rating	10kA
Mounting mode	DIN rail
Degree of protection	IP20

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Dimensions	H109.3mm x W35.6mm x D79mm H4.3" x W1.4" x D3.11"
Ambient air temperature for operation	-22˚F...+167˚F / -30˚C...+75 ˚C
Climatic resistance	At +68˚F (+20˚C) the relative humidity does not exceed 90% At +104˚F (+40˚C) the relative humidity does not exceed 50% Altitude does not exceed 6561ft (2000m)
Electrical durability (with load)	(UL489) 1000 operations (IEC) 1500 operations
Mechanical durability (at no load)	20000 operations
Order code / Manufacturer SKU	B1B2C40 1002617
Manufacturer product status	Commercialized
Equivalent to	1002617
Compliant with standard(s)	UL 489 SC UL 489 (appendix SC) CE (IEC/EN 60947-2) CCC (GB/T 14048.2)
Degree of pollution	3 III

Benefits

The B1B series circuit breakers, which comply with UL489 standard appendix SC, can be used for overcurrent protection of the main circuit.
The maximum voltage of the B1B series is DC 1000V, and it has a high breaking capacity of 10kA, making it the preferred product in the battery power industry.

- Miniature circuit breaker designed specifically for DC applications
- Breaking capacity of 10kA
- UL489 SC certification
- Box terminal connections

Documents

Noark - DIN Rail Miniature Circuit Breakers - B1B series - Datasheet.pdf

Access to all NOARK drawings

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