

NOARK

B1E1B50

MCB UL1077 - 1000438 - 1P - 50A - B-curve - 5kA - 277Vac/125Vdc

Miniature Circuit Breaker (MCB) / supplementary protector - UL 1077 - NOARK (B1E series) - 50A rated current - B-curve - 1-pole (1P) - 5kA (277Vac) / 10kA (60Vdc) interrupting rating - 277Vac / 125Vdc rated voltage - box lug connections - DIN rail mounting (35mm width) - equivalent to 1000438

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) > UL1077
Sub-range name	B1E series
Network frequency	50/60 Hz
Functions	Miniature Circuit Breaker (MCB) / supplementary protector
Design	Thermal-Magnetic inverse time-delay over-current release type "B" Tripping curve (thermal overload trip occurs at currents ranging from 3 to 5 x the nominal current)
Poles	1-pole (1P)
Rated current	50A
Rated Voltage (DC)	125Vdc
Rated voltage (AC)	277Vac
Rated impulse voltage (Uimp)	6 kV
Rated insulation voltage (Ui)	500 V
Connection type	box lug connections
Cross-section	for #18AWG...#4AWG / 0.75mm2...25mm2 conductors
Tripping curve	B

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Short circuit breaking rating	10kA (120Vac) 10kA (240Vac) 5kA (277Vac) 10kA (60Vdc)
Protection functions	Overvoltage III
Mounting mode	DIN rail
Degree of protection	IP20
Dimensions	H89.4mm x W17.8mm x D76mm H3.52" x W0.7" x D2.99"
Net Width (mm)	35 mm
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)	6000 operations
Mechanical durability (at no load)	20000 operations
Order code / Manufacturer SKU	B1E1B50 1000438
Manufacturer product status	Commercialized
Equivalent to	1000438
Compliant with standard(s)	UL 1077 CSA C22.2 no.235 UL Recognized for use in the United States in accordance with NFPA70 (NEC) UL 1077 (file number E355391) IEC 60947-2 CE marking RoHS compliant
Degree of pollution	3 III
Application type	Supplementary Protection - Control circuits - Lighting - Business equipment - Appliances

Benefits

- Breakers mount on standard 35mm DIN rail
- Thermal-magnetic over current protection - three levels of protection, categorized by B / C and D curves
- Fulfills UL 1077, IEC 60947-2 standard

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- Field-installable shunt trip and auxiliary switch up to 63A
- Module width of only 0.71 in (18 mm) per pole
- Contact position indicator (red/green)

Documents

E-PLAN - NOARK - B1E1B50 - Part details

NOARK - DIN Rail Miniature Circuit Breakers - Ex9 B1 series - Datasheet.pdf

Access to all NOARK drawings

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