



NOARK

## B1N2C20

MCB UL489 - 1000101 - 2P - 20A - C-curve - 10kA -  
240Vac/125Vdc

Miniature Circuit Breaker (MCB) - UL 489 - NOARK (B1N series) - 20A rated current - C-curve - 2-poles (2P) - 10kA (240Vac) / 10kA (125Vdc) interrupting rating - 240Vac / 125Vdc rated voltage - box lug connections - DIN rail mounting (35mm width) - equivalent to 1000101

### 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 AC applications
Sub-range name	B1N series
Network frequency	50/60 Hz
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 5 to 10 x the nominal current)
Poles	2-poles (2P)
Rated current	20A
Rated Voltage (DC)	125Vdc
Rated voltage (AC)	240Vac
Rated impulse voltage (Uimp)	6 kV
Rated insulation voltage (Ui)	500 V
Connection type	box lug connections
Cross-section	for #18AWG...#4AWG / 0.75mm <sup>2</sup> ...25mm <sup>2</sup> conductors (when using a single conductor per lug) for #18AWG...#6AWG / 0.75mm <sup>2</sup> ...16mm <sup>2</sup> conductors (when using 2 conductors per lug)

<b>Tripping curve</b>	C
<b>Short circuit breaking rating</b>	10kA (240Vac) 10kA (60Vdc) 10kA (125Vdc)
<b>Protection functions</b>	Overvoltage III
<b>Mounting mode</b>	DIN rail
<b>Degree of protection</b>	IP20
<b>Dimensions</b>	H109.3mm x W35.6mm x D79mm H4.3" x W1.4" x D3.11"
<b>Net Width (mm)</b>	35 mm
<b>Ambient air temperature for operation</b>	-22°F...+167°F / -30°C...+75 °C
<b>Climatic resistance</b>	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)
<b>Electrical durability (with load)</b>	10000 operations
<b>Mechanical durability (at no load)</b>	20000 operations
<b>Order code / Manufacturer SKU</b>	B1N2C20 1000101
<b>Manufacturer product status</b>	Commercialized
<b>Equivalent to</b>	1000101
<b>Compliant with standard(s)</b>	UL 489 CSA C22.2 no.5-16 UL 489 (file number E355392) UL 486 IEC 60947-2 RoHS compliant
<b>Degree of pollution</b>	3 III
<b>Application type</b>	Branch Circuit Protection - Convenience receptacle circuits (internal/external) - Motor control circuits - Load circuits leaving the equipment (external) - HVACR equipment -- heating / ventilation / air conditioning / refrigeration (internal/external) - PLC I/O points - Power supplies - Control instrumentation - Relays - UPS - Power conditioners

**Benefits**

## [BIN2C20](#)

MCB UL489 - 1000101 - 2P - 20A - C-curve - 10kA - 240Vac/125Vdc

**NOARK**<sup>®</sup>

- Breakers mount on standard 35mm DIN rail
- Can be used in UL 1077 or CSA C22.2 No.235 applications
- Field installable shunt trip and auxiliary switch
- Available with provisions for ring tongue terminals
- Module width of only 0.71 in (18 mm) per pole
- Contact position indicator (red/green)
- Possibility for locking the toggle in ON or OFF position

## Documents

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[E-PLAN - NOARK - BIN2C20 - Part details](#)

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[NOARK - DIN Rail Miniature Circuit Breakers - Ex9 B1 series - Datasheet.pdf](#)

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[Access to all NOARK drawings](#)

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