

NOARK

M1S20T22L

MCCB - 1102278 - UL489 - M1 frame - 2P2d - 20A rated - lug connections - 600Vac

Moulded Case Circuit Breaker (MCCB) - UL489 listed - NOARK (Ex9M1 series) - 2-poles (2P2d) - Rated current 20A - Interrupting capacity 35kA (480Vac) - Lugs on both load and line sides - Thermal-Magnetic (fixed) (FT/FM (Fixed Thermal / Fixed Magnetic)) trip unit - equivalent to 1102278

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	Moulded Case Circuit Breaker (MCCB)
Product series / family name	Electrical protection > Circuit breakers > AC Moulded Case Circuit Breakers (MCCBs)
Sub-range name	Ex9M1 series
Functions	Moulded Case Circuit Breaker (MCCB)
Poles	2-poles (2P2d)
Rated current	20A
Trip current rating	20 AT
Frame current rating	150 AF
Rated operating voltage (Ue)	(IEC) 690 V
Rated voltage (AC)	600Vac
Rated impulse voltage (Uimp)	8 kV
Rated insulation voltage (Ui)	800 V
Connection type	Lugs on both load and line sides
Cross-section	connects with #14AWG...#3/0AWG (000) / 2.5mm2...95mm2 conductors

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Short circuit breaking rating	50kA (240Vac) 35kA (480Vac) 14kA (600Vac) 20kA (500Vdc)
Ultimate short circuit current breaking capacity (Icu)	50kA (220/240Vac) 50kA (380/415Vac) 5kA (660/690Vac) 20kA (500Vdc)
Trip unit type	Technology = Thermal-Magnetic (fixed) Series = FT/FM (Fixed Thermal / Fixed Magnetic)
Protection functions	Fixed thermal protection (Overload) Fixed threshold magnetic protection (Short-circuit)
Protection settings	Protection against thermal overload -- fixed at 20A Magnetic instantaneous protection against short-circuit -- fixed at 200A
Dimensions	H164mm x W62mm x D84.5mm H6.46" x W2.44" x D3.33"
Ambient air temperature for operation	-25˚C...+70 ˚C
Utilisation category	A
Order code / Manufacturer SKU	M1S20T22L 1102278
Manufacturer product status	Commercialized
Equivalent to	1102278
Compliant with standard(s)	UL489 listed UL489 listed (file number E355392) CSA C22.2 No.5 IEC/EN 60947-2 CE marking RoHS compliant
Electrical durability	6000 hours
Mechanical durability	10000 hours

Benefits

Ex9M series offers
- High-breaking capacity and a patented arc extinguishing design
- Bearing-type spindle reduces the operating force required to open and close the operating mechanism
- High quality compact modular design
- Fixed and adjustable trip unit settings
- Line and load lugs installed standard
- 5-Year limited warranty

Certifications
- UL 489 listed File Number E355392

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- UL listed to UL489 and Canada CSA standards 22.2 No. 5
- IEC/EN 60947-2
- CE Compliant
- UL489B, File Number E513573

Wide range of accessories
- Alarm switch and auxiliary contact
- Shunt and undervoltage trip
- Rotary type handle
- Flange type handle
- Motor Operator
- Mechanical Interlock

Documents

E-PLAN - NOARK - M1S20T22L - Part details

NOARK - MCCB MCP MCS Ex9 series-M - Catalog.pdf

Access to all NOARK drawings

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