

NOARK

E3R-1AM1S100T3L

Enclosed breaker - UL489 - M1 frame - 3P3d - 100A rated - 4-wires - 35kA at 480Vac - 100% neutral - NEMA 3R

Enclosed Moulded Case Circuit Breaker (MCCB) - UL489 listed - NOARK (Ex9M1 series) - 3-poles (3P3d) - Rated current 100A - 100% neutral - Interrupting capacity 35kA (480Vac) - Lugs on both load and line sides (4-wires) - Thermal-Magnetic (adjustable) (AT/FM (Adjustable Thermal / Fixed Magnetic)) trip unit - NEMA 3R - equivalent to E3R1AM1S100T3L

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 > Enclosed Moulded Case Circuit Breakers (MCCBs)
Sub-range name	Ex9M1 series
Functions	Enclosed Moulded Case Circuit Breaker (MCCB)
Poles	3-poles (3P3d)
Rated current	100A
Trip current rating	100 AT
Frame current rating	150 AF
Rated operating voltage (Ue)	(IEC) 690 V
Rated Voltage (DC)	600Vdc
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 (4-wires)

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Short circuit breaking rating	50kA (240Vac) 35kA (480Vac) 14kA (600Vac) 20kA (600Vdc)
Ultimate short circuit current breaking capacity (Icu)	50kA (220/240Vac) 50kA (380/415Vac) 5kA (660/690Vac) 25kA (500Vdc)
Trip unit type	Technology = Thermal-Magnetic (adjustable) Series = AT/FM (Adjustable Thermal / Fixed Magnetic)
Protection functions	100% neutral Adjustable thermal protection (Overload) Fixed threshold magnetic protection (Short-circuit)
Protection settings	Protection against thermal overload -- adjustable 0.8...1 x In (80A...100A) Magnetic instantaneous protection against short-circuit -- fixed at 1000A
Degree of protection	NEMA 3R
Ambient air temperature for operation	-25˚C...+70 ˚C
Contents	1 x MCCB M1S100T3L 1 x X150-600Type 3R
Utilisation category	A
Order code / Manufacturer SKU	E3R-1AM1S100T3L
Manufacturer product status	Commercialized
Equivalent to	E3R1AM1S100T3L
Compliant with standard(s)	UL489 listed
Electrical durability	6000 hours
Mechanical durability	10000 hours

Documents

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

Access to all NOARK drawings

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