

NOARK

M1D1003L

switch-disconnector MCS - 1100454 - UL489 - M1 frame - 3P3d - 100A rated - lug connections - 600Vdc/ac

Front-operated toggle moulded case switch-disconnector (MCS) - non-fusible - UL489 listed - NOARK (Ex9M1D series) - 3-poles (3P3d) - Rated current 100A - Interrupting capacity 65kA (480Vac) - Lugs on both load and line sides - equivalent to 1100454

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	Switch-disconnector
Product series / family name	Electrical protection > Disconnector switches > AC non-automatic Moulded Case Switches (MCS)
Sub-range name	Ex9M1D series
Functions	Front-operated toggle moulded case switch-disconnector (MCS)
Design	non-fusible
Poles	3-poles (3P3d)
Rated current	100A
Rated operating voltage (Ue)	(IEC) 690 V
Rated Voltage (DC)	600Vdc
Rated voltage (AC)	600Vac (50/60Hz)
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	100kA (240Vac) 65kA (480Vac) 20kA (600Vac) 35kA (600Vdc)
Ultimate short circuit current breaking capacity (Icu)	100kA (220/240Vac) 100kA (380/415Vac) 8kA (660/690Vac) 35kA (500Vdc)
Service short circuit current breaking capacity as a percentage of Icu (Ics%)	100 %
Protection settings	Magnetic instantaneous protection against short-circuit -- fixed at 1500A
Dimensions	H164mm x W90mm x D84.5mm H6.46" x W3.54" x D3.33"
Utilisation category	A
Order code / Manufacturer SKU	M1D1003L 1100454
Manufacturer product status	Commercialized
Equivalent to	1100454
Compliant with standard(s)	UL489 listed UL489 listed (file number E355396) CSA C22.2 No.5 IEC/EN 60947-2 CE marking RoHS compliant
Electrical durability	6000 hours
Mechanical durability	10000 hours

Benefits

NOARK Electric offers a complete range of Molded Case Switches in 6 frame sizes M1 (150A), M2 (250A), M3 (400A), M4 (600A), M5 (800A) and M6 (1200A).
Each frame size offers a range of interrupting voltage ratings from 240-690Vac and 250-600Vdc.
They are only used for magnetic protection applications mainly as supply circuit protection and emergency-off disconnect switches.

The Ex9 Series-M conforms to global standards
- UL 489
- CSA C22.2 No 5
- IEC 60947-2.

The Ex9 Series-M offers
- Instantaneous trip ability and a new patented arc extinguishing design
- New patented technology reduces the manual operating force

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- High-quality compact modular with energy saving and environmentally friendly design
- Installation flexibility - Lug Line/Load Side Connection / Rear Connection

Wide range of accessories
- Alarm Switch and Auxiliary Contact
- Shunt and Undervoltage Trip
- Interlock
- NEMA and ICE Type Rotary Handle
- NEMA Type Flange Handle
- Motor Operator

Documents

E-PLAN - NOARK - M1D1003L - Part details

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

Access to all NOARK drawings

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