NOARK

M5D8004L

switch-disconnector MCS - 1102078 - UL489 - M5 frame - 4P4d - 800A rated - lug connections - 600Vdc/ac

Front-operated toggle moulded case switch-disconnector (MCS) - non-fusible - UL489 listed - NOARK (Ex9M5D series) - 4-poles (4P4d) - Rated current 800A - Interrupting capacity 65kA (480Vac) - Lugs on both load and line sides - equivalent to 1102078

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	Ex9M5D series
Functions	Front-operated toggle moulded case switch-disconnector (MCS)
Design	non-fusible
Poles	4-poles (4P4d)
Rated current	800A
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 250kcmil...600kcmil / 120mm2...300mm2 conductors (2-hole lugs) or 250kcmil...500kcmil / 100mm2...250mm2 conductors (3-hole lugs)

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Short circuit breaking rating	100kA (240Vac) 65kA (480Vac) 30kA (600Vac)
Ultimate short circuit current breaking capacity (Icu)	100kA (220/240Vac) 100kA (380/415Vac) 15kA (660/690Vac)
Service short circuit current breaking capacity as a percentage of Icu (Ics%)	100 %
Protection settings	Magnetic instantaneous protection against short-circuit -- fixed at 8000A
Dimensions	H411mm x W260mm x D192.5mm H16.18" x W10.2" x D7.58"
Utilisation category	A
Order code / Manufacturer SKU	M5D8004L 1102078
Manufacturer product status	Commercialized
Equivalent to	1102078
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	500 hours
Mechanical durability	3000 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
- High-quality compact modular with energy saving and environmentally friendly design

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- 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 - M5D8004L - Part details

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

Access to all NOARK drawings

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