NOARK

M1PVS45T3A

DC MCCB - 1102451 - UL489B - M1 frame - 3P3d - 45A rated - busbar connections+type A jumper - 1000Vdc - 10kA

DC Moulded Case Circuit Breaker (MCCB) - UL489B listed - NOARK (Ex9M1PVS series) - 3-poles (3P3d) - Rated current 45A - Interrupting capacity 10kA (at 1000Vdc) - type "A" poles jumper connection / Term. nut kit (for fixed busb. connection) on both line and load sides - Thermal-Magnetic (fixed) (FT/FM (Fixed Thermal / Fixed Magnetic)) trip unit - equivalent to 1102451

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 > DC Moulded Case Circuit Breakers (MCCBs)
Sub-range name	Ex9M1PVS series
Functions	DC Moulded Case Circuit Breaker (MCCB)
Poles	3-poles (3P3d)
Rated current	45A
Trip current rating	45 AT
Frame current rating	80 AF
Rated Voltage (DC)	1000Vdc (rated service voltage)
Connection type	type "A" poles jumper connection (for ungrounded system wiring; 2 breaker poles in series on "-" line / 1 single breaker pole on "+" line) Term. nut kit (for fixed busb. connection) on both line and load sides
Short circuit breaking rating	10kA (at 1000Vdc)
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)

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Protection settings	Protection against thermal overload -- fixed at 45A Magnetic instantaneous protection against short-circuit -- fixed at 450A
Dimensions	H201mm x W90mm x D84.5mm H7.91" x W3.5" x D3.33"
Ambient air temperature for operation	-20˚C...+50 ˚C
Order code / Manufacturer SKU	M1PVS45T3A 1102451
Manufacturer product status	Commercialized
Equivalent to	1102451
Compliant with standard(s)	UL489B listed UL489 listed (file number E355392) UL489B listed (file number E513573) CSA C22.2 No.5 IEC/EN 60947-2 CE marking RoHS compliant
Mechanical durability	10000 hours

Benefits

The NOARK Electric M1PVS is a UL489B DC MCCB, with current ratings of 15A to 80A, with a 10kA breaking capacity at 1000Vdc.
Each unit is equipped with thermal magnetic trip units for protection of overload and short circuit in photovoltaic system.
The M1PVS features a poles-in-series design and is equipped with pre-installed jumpers.
4 jumper connection configurations are offered for grounded and ungrounded systems.
M1PVS is backed by a 5-year limited warranty.

Documents

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

Access to all NOARK drawings

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