NOARK

# M1PVS70T3A

DC MCCB - 1102463 - UL489B - M1 frame - 3P3d - 70A rated - busbar connections+type A jumper - 1000Vdc - 10kA

DC Moulded Case Circuit Breaker (MCCB) - UL489B listed - NOARK (Ex9M1PVS series) - 3-poles (3P3d) - Rated current 70A - 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 (adjustable) (AT/FM (Adjustable Thermal / Fixed Magnetic)) trip unit - equivalent to 1102463

## 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

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|---|---|
| **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** | 70A |
| **Trip current rating** | 70 AT |
| **Frame current rating** | 80 AF |
| **Rated Voltage (DC)** | 1000Vdc (rated service voltage) |
| **Connection type** | type "A" poles jumper connection<br>(for ungrounded system wiring; 2 breaker poles in series on "-" line / 1 single breaker pole on "+" line)<br>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 (adjustable)<br>Series = AT/FM (Adjustable Thermal / Fixed Magnetic) |
| **Protection functions** | Adjustable thermal protection (Overload)<br>Fixed threshold magnetic protection (Short-circuit) |

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|---|---|
| **Protection settings** | Protection against thermal overload -- adjustable 0.8...1 x In (56A...70A)<br>Magnetic instantaneous protection against short-circuit -- fixed at 700A |
| **Dimensions** | H201mm x W90mm x D84.5mm<br>H7.91" x W3.5" x D3.33" |
| **Ambient air temperature for operation** | -20˚C...+50 ˚C |
| **Order code / Manufacturer SKU** | M1PVS70T3A<br>1102463 |
| **Manufacturer product status** | Commercialized |
| **Equivalent to** | 1102463 |
| **Compliant with standard(s)** | UL489B listed<br>UL489 listed (file number E355392)<br>UL489B listed (file number E513573)<br>CSA C22.2 No.5<br>IEC/EN 60947-2<br>CE marking<br>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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