NOARK

# M6S1000E3F

MCCB - 1101896 - Electronic (LSIG) - 100% rated - UL489 - M6 frame - 3P3d - 1000A rated - busbar connections - 600Vac

#phasing-out - Moulded Case Circuit Breaker (MCCB) - 100% rated - UL489 listed - NOARK (Ex9M6 series) - 3-poles (3P3d) - Rated current 1000A - Interrupting capacity 42kA (480Vac) - Term. nut kit (for fixed busb. connection) on both line and load sides - Electronic (Series 4.0 (LSIG)) trip unit - equivalent to 1101896

## 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 > AC Moulded Case Circuit Breakers (MCCBs) |
| **Sub-range name** | Ex9M6 series |
| **Functions** | Moulded Case Circuit Breaker (MCCB) |
| **Design** | 100% rated |
| **Poles** | 3-poles (3P3d) |
| **Rated current** | 1000A |
| **Trip current rating** | 1000 AT |
| **Frame current rating** | 1200 AF |
| **Rated operating voltage (Ue)** | (IEC) 690 V |
| **Rated voltage (AC)** | 600Vac |
| **Rated impulse voltage (Uimp)** | 8 kV |
| **Rated insulation voltage (Ui)** | 800 V |
| **Connection type** | Term. nut kit (for fixed busb. connection) on both line and load sides |

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|---|---|
| **Cross-section** | connects with #3/0AWG (000)...600kcmil / 95mm2...300mm2 conductors (3-hole lugs) or #3/0AWG (000)...500kcmil / 95mm2...240mm2 conductors (4-hole lugs) |
| **Short circuit breaking rating** | 65kA (240Vac)<br>42kA (480Vac)<br>22kA (600Vac) |
| **Ultimate short circuit current breaking capacity (Icu)** | 65kA (220/240Vac)<br>65kA (380/415Vac)<br>30kA (660/690Vac) |
| **Trip unit type** | Technology = Electronic<br>Series = Series 4.0 (LSIG)<br>Protection = LSIG |
| **Protection functions** | L (Long-time protection)<br>S (Short-time protection with fixed time delay)<br>I (Instantaneous protection)<br>G (Ground fault protection) |
| **Protection settings** | L - Protection against overload -- adjustable 0.4...1 x In (400A...1000A) (with 3...18s adjustable time setting at 6 x Ir)<br>S - Protection against short-circuit with time delay -- adjustable 1.5...10 x Ir (600A...10000A) (0.1...0.4s time delay)<br>I - Instantaneous protection against short-circuit -- adjustable 2...12 x In (2000A...12000A)<br>G - Protection against earth fault -- adjustable at 0.4...1 x In (400A...1000A) (0.1...0.4s time delay) |
| **Dimensions** | H450mm x W210mm x D167.6mm<br>H17.72" x W8.27" x D6.6" |
| **Ambient air temperature for operation** | -25˚C...+70 ˚C |
| **Utilisation category** | A |
| **Order code / Manufacturer SKU** | M6S1000E3F<br>1101896 |
| **Manufacturer product status** | Phasing out |
| **Equivalent to** | 1101896 |
| **Compliant with standard(s)** | UL489 listed<br>UL489 listed (file number E355392)<br>CSA C22.2 No.5<br>IEC/EN 60947-2<br>CE marking<br>RoHS compliant |
| **Electrical durability** | 500 hours |
| **Mechanical durability** | 3000 hours |

## Benefits

Ex9M series offers

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- High-breaking capacity and a patented arc extinguishing design
- Bearing-type spindle reduces the operating force required to open and close the operating mechanism
- High quality compact modular design
- Fixed and adjustable trip unit settings
- Line and load lugs installed standard
- 5-Year limited warranty

Certifications
- UL 489 listed File Number E355392
- UL listed to UL489 and Canada CSA standards 22.2 No. 5
- IEC/EN 60947-2
- CE Compliant
- UL489B, File Number E513573

Wide range of accessories
- Alarm switch and auxiliary contact
- Shunt and undervoltage trip
- Rotary type handle
- Flange type handle
- Motor Operator
- Mechanical Interlock

## Documents

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

Access to all NOARK drawings

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