

# —

## circuit breaker MS116-1.0

URL:<https://www.sxplc.com/circuit-breaker-ms116-1-0>

### Product data sheet

#### Dimensions

Product Net Width:

45 mm

Product Net Height:

90 mm

Product Net Depth / Length:

85.6 mm

Product Net Weight:

0.225 kg

Technical

Rated Service Short-Circuit Breaking Capacity (Ics):

(230 V AC) 50 kA

(400 V AC) 50 kA

(440 V AC) 50 kA

(500 V AC) 30 kA

(690 V AC) 30 kA

Rated Ultimate Short-Circuit Breaking Capacity (Icu):

(230 V AC) 100 kA

(400 V AC) 100 kA

(440 V AC) 100 kA

(500 V AC) 100 kA

(690 V AC) 100 kA

Rated Instantaneous Short-Circuit Current Setting (Ii):

12.5 A

Setting Range:

0.63 ... 1.0 A

Rated Operational Power AC-3 (Pe):

(400 V) Three Phase 0.25 kW

Rated Operational Power AC-3e (Pe):

(400 V) Three Phase 0.25 kW

Rated Operational Voltage:

Main Circuit 690 V AC

Rated Operational Current (Ie):

1 A

Rated Operational Current AC-3 (Ie):

1 A

Rated Operational Current AC-3e (Ie):

1 A

Rated Frequency (f):

Main Circuit 50 Hz

Main Circuit 60 Hz

Rated Impulse Withstand Voltage ( $U_{imp}$ ):

Main Circuit 6 kV

Rated Insulation Voltage ( $U_i$ ):

690 V

Power Loss:

at Rated Operating Conditions per Pole 0.6 ... 1.6 W

Number of Poles:

3

Conventional Free-air Thermal Current ( $I_{th}$ ):

Main Circuit 1 A

Degree of Protection:

Housing IP20

Main Circuit Terminals IP10

Pollution Degree:

3

Electrical Durability:

100000 cycle

Mechanical Durability:

100000 cycle

Terminal Type:

Screw Terminals

---

