

## Product data sheet

### Characteristics

# M9F11140

Miniature circuit breaker (MCB), Multi9 C60N,  
1P, 40A, C curve, 10kA (IEC/EN 60947-2)

### Main

Range	Multi9
Product name	Multi9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60N
Device application	Distribution
Poles description	1P
Number of protected poles	1
[In] rated current	40 A at 50 °C conforming to EN/IEC 60947-2
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	15 KA Icu at <= 72 V DC conforming to EN/IEC 60947-2 10 KA Icu at 240 V AC 50/60 Hz between phase and neutral conforming to EN/IEC 60947-2 3 kA Icu at 415 V AC 50/60 Hz between phase and neutral conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2
Product certifications	EAC[RETURN]KC[RETURN]CCC

### Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 50/60 Hz between phase and neutral 415 V AC 50/60 Hz between phase and neutral <= 72 V DC
Magnetic tripping limit	8.5 x In +/- 20 % AC 12 x In +/- 20 % DC
[Ics] rated service breaking capacity	7.5 KA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 2.25 KA 75 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - <= 72 V DC
Limitation class	3
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	2
Height	81 mm
Width	18 mm
Depth	72 mm
Product weight	0.12 kg

Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal (top or bottom)1.5...35 mm <sup>2</sup> - rigid Tunnel type terminal (top or bottom)1.5...35 mm <sup>2</sup> - flexible Tunnel type terminal (top or bottom)1.5...35 mm <sup>2</sup> - flexible with ferrule
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 N.m top or bottom
Earth-leakage protection	Separate block





## Environment

Heat dissipation	4.3 W at 240 V - 40 A
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...80 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.500 cm
Package 1 Width	1.800 cm
Package 1 Length	8.500 cm
Package 1 Weight	118.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	7.800 cm
Package 2 Width	9.000 cm
Package 2 Length	22.500 cm
Package 2 Weight	1.452 kg
Unit Type of Package 3	S03
Number of Units in Package 3	144
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	17.914 kg

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins