M9F12416

Trip unit technology

Breaking capacity

Curve code

Miniature circuit breaker (MCB), Multi9 C60N, 4P, 16A, D curve, 10kA (IEC/EN 60947-2)





Main Range Multi9 Product name Multi9 C60 Product or component Miniature circuit-breaker type Device short name C60N Distribution Device application Poles description Number of protected poles [In] rated current 16 A at 50 °C conforming to EN/IEC 60947-2 Network type AC

	60947-2
	10 KA Icu at 415 V AC 50/60 Hz between phases
	conforming to EN/IEC 60947-2
	20 KA Icu at 240 V AC 50/60 Hz between phases
	conforming to EN/IEC 60947-2
	6 kA Icu at 440 V AC 50/60 Hz between phases
	conforming to EN/IEC 60947-2
Utilisation catego	ory Category A conforming to EN/IEC 60947-2

40 KA Icu at <= 250 V DC conforming to EN/IEC

Thermal-magnetic

Cuilbation category	Category 77 comorning to Enviled 00047 2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2
Product certifications	EAC[RETURN]CCC

Complementary

Complementary	
Network frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 50/60 Hz between phases 415 V AC 50/60 Hz between phases 440 V AC 50/60 Hz between phases <= 250 V DC
Magnetic tripping limit	12 x ln +/- 20 % AC 17 x ln +/- 20 % DC
[lcs] rated service breaking capacity	7.5 KA 75 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz 16 KA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 4.5 KA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 40 kA 100 % conforming to EN/IEC 60947-2 - <= 250 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	8
Height	81 mm
Width	72 mm
Depth	72 mm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not inhereded as a substitute for and is not to be used for determining suitability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Net weight	0.48 kg
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal (top or bottom)125 mm² - rigid Tunnel type terminal (top or bottom)125 mm² - flexible Tunnel type terminal (top or bottom)125 mm² - flexible with ferrule
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Separate block

Environment

Heat dissipation	10 W at 415 V - 16 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	-3070 °C	
Ambient air temperature for storage	-4080 °C	

Packing Units

3	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.2 cm
Package 1 Width	7.5 cm
Package 1 Length	8.2 cm
Package 1 Weight	419.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.0 cm
Package 2 Width	8.7 cm
Package 2 Length	22.2 cm
Package 2 Weight	1.3 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.135 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	₫Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product