Product data sheet
Characteristics

M9F14316
Miniature circuit breaker (MCB), Multi9 C60H, 3P, 16A, C curve, 15kA (IEC/EN 60947-2)



Main

Range	Multi9
Product name	Multi9 C60
Product or component type	Miniature circuit-breaker
Device short name	C60H
Device application	Distribution
Poles description	3P
Number of protected poles	3
[In] rated current	16 A at 50 °C conforming to EN/IEC 60947-2
Network type	AC DC
Network frequency	50/60 Hz
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	30 KA Icu at 240 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 15 KA Icu at 415 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 10 KA Icu at 440 V AC 50/60 Hz between phases conforming to EN/IEC 60947-2 40 KA Icu at <= 180 V DC 50/60 Hz between phases conforming to EN/IEC 60947-2 30 KA Icu at 240 V AC 50/60 Hz between phases conforming to GB/T 14048.2 15 KA Icu at 415 V AC 50/60 Hz between phases conforming to GB/T 14048.2 10 KA Icu at 440 V AC 50/60 Hz between phases conforming to GB/T 14048.2 40 KA Icu at <= 180 V DC conforming to GB/T 14048.2
Utilisation category	Category A conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2 GB/T 14048.2
Product certifications	EAC[RETURN]CCC

Complementary

[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 <= 125 V DC
Magnetic tripping limit	8.5 x In +/- 20 % AC 12 x In +/- 20 % DC
[Ics] rated service breaking capacity	15 KA 50 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz 7.5 KA 50 % conforming to EN/IEC 60947-2 - 415 V AC 50/60 Hz 5 KA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 40 KA 100 % conforming to EN/IEC 60947-2 - <= 125 V DC 15 KA 50 % conforming to GB/T 14048.2 - 240 V AC 50/60 Hz 7.5 KA 50 % conforming to GB/T 14048.2 - 415 V AC 50/60 Hz 5 KA 50 % conforming to GB/T 14048.2 - 440 V AC 50/60 Hz 40 KA 100 % conforming to GB/T 14048.2 - <= 125 V DC
[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

Suitability for isolation	Yes 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	6
Height	81 Mm
Width	54 Mm
Depth	72 Mm
Net weight	0.36 Kg
Colour	Grey
Mechanical durability	20000 Cycles
Electrical durability	10000 Cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal (top or bottom)1…25 mm² - rigid Tunnel type terminal (top or bottom)1…25 mm² - flexible Tunnel type terminal (top or bottom)1…25 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

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	7.5 Cm
Package 1 Width	5.4 Cm
Package 1 Length	8.5 Cm
Package 1 Weight	330 G
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	7.7 Cm
Package 2 Width	9 Cm
Package 2 Length	22.7 Cm
Package 2 Weight	1.359 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	24
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	8.67 Kg

Offer Sustainability

Recyclability potential, in %	56
Total lifecycle Carbon footprint	46 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.380297452238995
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.04938665059970559
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.016024853993023256
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	42.009
Carbon footprint of the use phase [B2, B3, B4, B6]	42 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.9909746797303911
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	46
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	40a4e715-7fff-45ff-88bf-38212f6a80a5
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and Nickel (Metallic), wh
OECD PFAS Regulation	Item contains PFAS Chemicals
POP Directive	No POPs
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
Silicone-free	No
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised