Product data sheet
Characteristics

M9R81240
Residual current circuit breaker (RCCB), Multi9 GFP, 2P, 40A, A-SI type, 30mA



Main

Range	Multi9
Product name	Multi9 GFP
Product or component type	Residual current circuit breaker (RCCB)
Device short name	GFP
Device application	Distribution
Poles description	2P
Neutral position	Left
[In] rated current	40 A at 40 °C conforming to EN/IEC 61008-1
Network type	AC
Earth-leakage sensitivity	26 MA conforming to UL 1053 30 MA conforming to EN/IEC 61008-1
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A-SI (Super Immunised)
Utilisation category	AC-23A conforming to EN/IEC 61008-1
Standards	EN/IEC 61008-1 UL 1053
Product certifications	IEC[RETURN]UL

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	120/240 V AC 60 Hz 240 V AC 50 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	Idm 1500 A conforming to EN/IEC 61008-1
Rated conditional short-circuit current	Inc 10 kA 100 A gG
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 KV conforming to EN/IEC 61008-1
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	81 Mm
Width	36 Mm
Depth	60 Mm
Net weight	0.22 Kg
Colour	Grey

Mechanical durability	20000 Cycles
Locking options description	Padlocking in OFF position
Connections - terminals	Tunnel type terminals (top or bottom)1…25 mm² (18 AWG...3 AWG) - flexible Tunnel type terminals (top or bottom)1…35 mm² (18 AWG...2 AWG) - rigid Tunnel type terminals (top or bottom)1…25 mm² (18 AWG...3 AWG) - flexible with ferrule
Wire stripping length	14 Mm for top or bottom connection
Tightening torque	3.5 N.M top or bottom

Environment

IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3
Electromagnetic compatibility	8/20 µs impulse withstand, 3000 A conforming to EN/IEC 61008-1
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.000 Cm
Package 1 Width	8.400 Cm
Package 1 Length	9.000 Cm
Package 1 Weight	215.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	12.120 Kg

Offer Sustainability

Recyclability potential, in %	59
Total lifecycle Carbon footprint	42 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.65180023010561
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0364069023692282
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0163089293723848
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	38.7766666666666
Carbon footprint of the use phase [B2, B3, B4, B6]	39 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.679389575001311
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	42
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	81454b7e-fcdf-4818-a481-efccd54a351f
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which

OECD PFAS Regulation	Item contains PFAS Chemicals
POP Directive	No POPs
Halogen-free status	Product contains halogen above thresholds
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