Product datasheet
Characteristics

M9D11606
Multi 9 - N40 Vigi - 1P + N - 6A - C curve - class AC - 240 V - 30 mA - 6 kA



Main

Range	Multi 9
Product name	Multi 9 N40 Vigi
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	N40 Vigi
Device application	Distribution
Poles description	1P + N
Neutral position	Left
Number of protected poles	1
[In] rated current	6 A at 50 °C conforming to EN/IEC 60947-2
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Breaking capacity	Icn 6000 A at 240 V AC 50 Hz conforming to EN/IEC 61009-1 Icu 6 kA at 240 V AC 50 Hz 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

Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	240 V AC 50 Hz
Magnetic tripping limit	8.5 x In +/- 20 % AC
Residual current tripping technology	Voltage independent
[Ics] rated service breaking capacity	4.5 kA 75 % x Icu at 240 V AC 50 Hz conforming to EN/IEC 60947-2
Rated breaking and making capacity	Idm 4500 A at 240 V AC 50 Hz conforming to EN/IEC 61009-1
Limitation class	3 conforming to EN/IEC 61009-1
[Ui] rated insulation voltage	400 V AC 50 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Control type	Toggle
Local signalling	Fault indication ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	81 mm
Width	36 mm
Depth	70 mm
Product weight	0.125 kg
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal, top or bottom rigid wire(s) 0.75...16 mm^2 max Tunnel type terminal, top or bottom flexible wire(s) 0.33...10 mm^2 max Tunnel type terminal, top or bottom flexible with ferrule wire(s) 0.33...10 mm^2 max
Wire stripping length	13 mm (top or bottom)
Tightening torque	2 N.m (top or bottom)
Earth-leakage protection	Integrated

Environment

Standards	EN/IEC 61009-1 EN/IEC 60947-2
IP degree of protection	IP40 for modular enclosure conforming to IEC 60529 IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Overvoltage category	IV
Electromagnetic compatibility	8/20 µs impulse withstand 250 A
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % (55 °C)
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-30...70 °C