



Main

Range	Multi9
Product name	Multi9 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	16 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	6 KA Icu at 240 V AC 50 Hz conforming to EN/IEC 60947-2 6000 A Icn at 240 V AC 50 Hz conforming to EN/IEC 61009-1
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 % conforming to EN/IEC 60947-2 - 240 V AC 50 Hz
Rated breaking and making capacity	I _{dm} 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
Surge current	250 A
Contact position indicator	Yes
Control type	Toggle
Local signalling	Fault indication ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Connection pitch	9 mm between phase and neutral
9 mm pitches	4
Height	81 mm
Width	36 mm

Depth	70 mm
Net 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)0.75...16 mm ² - rigid Tunnel type terminal (top or bottom)0.33...10 mm ² - flexible Tunnel type terminal (top or bottom)0.33...10 mm ² - flexible with ferrule
Wire stripping length	13 mm for top or bottom connection
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	IP20 conforming to IEC 60529 IP40 (modular enclosure) 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 % at 55 °C
Ambient air temperature for operation	-5...60 °C
Ambient air temperature for storage	-30...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	8.3 cm
Package 1 Length	10.0 cm
Package 1 Weight	206 g
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	11.565 kg
Unit Type of Package 3	P12
Number of Units in Package 3	432
Package 3 Height	44.4 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	104.520 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant  EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile

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 plastic parts product
Contractual warranty	
Warranty	18 Monate