

# Product data sheet

Specifications



Residual current breaker with overcur. prot. (RCBO), Multi9 N40 Vigi, 1P+N, 16A, C curve, 6000A/6kA, AC type, 30mA

M9D11616

## 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
Standards	EN/IEC 61009-1 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	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

<b>[Uimp] rated impulse withstand voltage</b>	4 kV conforming to EN/IEC 60947-2
<b>Surge current</b>	250 A
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	Fault indication ON/OFF indication
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Connection pitch</b>	9 mm between phase and neutral
<b>9 mm pitches</b>	4
<b>Height</b>	81 mm
<b>Width</b>	36 mm
<b>Depth</b>	70 mm
<b>Net weight</b>	0.125 kg
<b>Colour</b>	Grey
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	20000 cycles
<b>Provision for padlocking</b>	Padlockable
<b>Connections - terminals</b>	Tunnel type terminal (top or bottom)0.75...16 mm <sup>2</sup> - rigid Tunnel type terminal (top or bottom)0.33...10 mm <sup>2</sup> - flexible Tunnel type terminal (top or bottom)0.33...10 mm <sup>2</sup> - flexible with ferrule
<b>Wire stripping length</b>	13 mm for top or bottom connection
<b>Tightening torque</b>	2 N.m top or bottom
<b>Earth-leakage protection</b>	Integrated

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.300 cm
<b>Package 1 Width</b>	4.000 cm
<b>Package 1 Length</b>	10.000 cm
<b>Package 1 Weight</b>	200.000 g

<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	54
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	11.290 kg

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 23

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number E30d8de5-e712-4620-931e-4a4cf9525d5a

REACH Regulation [REACH Declaration](#)

## Use Again

### Repack and remanufacture

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins