

Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iDPN N Vigi, 1P+N, 16A, B curve, 6000A, A type, 30mA

A9D56616

⚠ End-of-service on: 27 Jan 2021

⚠ Discontinued

EAN Code: 3606480472718

Main

Range	Acti9
product name	Acti9 iDPN Vigi
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iDPN N Vigi
Device application	Distribution
Poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	16 A
Network type	CA
Network frequency	50 Hz
Trip unit technology	Thermal-magnetic
Curve code	B
Earth-leakage sensitivity	30 mA
Suitability for isolation	Yes conforming to EN/IEC 60947-2

Complementary

Device location in system	Outgoer
[Ue] rated operational voltage	230...240 V AC 50 Hz
Magnetic tripping limit	3...5 x In
Residual current tripping technology	Voltage independent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
Breaking capacity	6000 A Icn at 230...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 230...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Rated breaking and making capacity	Idm 6000 A at 230...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Limitation class	3 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	400 V AC 50 Hz

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

[Uimp] rated impulse withstand voltage	4 kV
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Con clip
Mounting support	Carril DIN
Comb busbar and distribution block compatibility	Top or bottom: YES
Connection pitch	9 mm between phase and neutral
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	73 mm
Net weight	125 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Padlocking device
Connections - terminals	Single terminal top or bottom 1...16 mm² rigid Single terminal top or bottom 1...10 mm² flexible Single terminal top or bottom 1...10 mm² flexible with ferrule
Wire stripping length	15 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Integrated

Environment

Standards	EN/IEC 61009-2-1
Product certifications	VDE KEMA
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3
Overvoltage category	III conforming to IEC 60364
Electromagnetic compatibility	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1
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...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.500 cm

Package 1 Width	3.600 cm
Package 1 Length	8.500 cm
Package 1 Weight	208.000 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	12.231 kg

Contractual warranty

Warranty	18 months
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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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	19
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	53102031-f1ed-4dc4-9aa4-5fd743a372f1
REACH Regulation	REACH Declaration

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins