

Acti 9 iDPN N Vigi - RCBO - 1P+N - 16A - C Curve - 6000A - 30mA - type AC

A9D31616

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	AC	
Trip unit technology	Thermal-magnetic	
Curve code	С	
Earth-leakage sensitivity	30 mA	
Earth-leakage protection time delay	Instantaneous	
Earth-leakage protection class	Type AC	
Breaking capacity	6000 A Icn at 230240 V AC 50 Hz conforming to EN/IEC 61009-2-1	
Suitability for isolation	Yes conforming to EN/IEC 60947-2	

Complementary

Complementary	Outgoer	
Network frequency	50 Hz	
[Ue] rated operational voltage	230240 V AC 50 Hz	
Magnetic tripping limit	510 x ln	
Residual current tripping technology	Voltage independent	
[lcs] rated service breaking capacity	6000 A 100 % x Icn at 230240 V AC 50 Hz conforming to EN/IEC 61009-2-1	
Rated breaking and making capacity	Idm 6000 A at 230240 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	
[Uimp] rated impulse withstand voltage	4 kV	
Contact position indicator	Yes	

Control type	Toggle	
Local signalling	ON, OFF, fault trip	
Mounting mode	Clip-on	
Mounting support	DIN rail	
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	
Product 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 116 mm² rigid Single terminal top or bottom 110 mm² flexible Single terminal top or bottom 110 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 GOST	
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	-560 °C	
Ambient air temperature for storage	-4085 °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	8.300 cm
Package 1 Length	10.000 cm
Package 1 Weight	207.000 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	11.608 kg

Contractual warranty

Warranty 18 months



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
SCIP Number	Ed70c451-eb98-4beb-bfa0-d83cf974f40d
China RoHS Regulation	China RoHS declaration

Use Again

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