Product datasheet

Specification





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

A9D32616

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 A	
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	
[Ics] 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	
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 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 KEMA RCM	
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	-2560 °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	4.0 cm
Package 1 Width	8.5 cm
Package 1 Length	10.0 cm

Package 1 Weight	218 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	12.213 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	109.704 kg

Contractual warranty

Warranty 18 months



Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Mercury Free	
②	Rohs Exemption Information	Yes
	Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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
Circularity Profile	End of Life Information

2 Aug 2024