Product data sheet
Characteristics

A9D33610
Acti9 iDPN N Vigi - RCBO - 1P+N - 10A - C Curve - 6000A - 30mA - type A-SI

Main

Range	Acti 9
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	10 A
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 A-SI (Super Immunised)
Breaking capacity	6000 A Icn at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2

Complementary

Device location in system	Outgoer
Network frequency	50 Hz
[Ue] rated operational voltage	220...240 V AC 50 Hz
Magnetic tripping limit	5...10 x In
Residual current tripping technology	Voltage independent
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1
Rated breaking and making capacity	Idm 6000 A at 220...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
[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
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

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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 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, 3000 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 Weight	215.0 g
Package 1 Height	4.0 cm
Package 1 width	8.5 cm
Package 1 Length	10.0 cm
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Weight	12.664 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Unit Type of Package 3	BB1
Number of Units in Package 3	6
Package 3 Weight	1.353 kg
Package 3 Height	9.0 cm
Package 3 width	10.7 cm
Package 3 Length	25.5 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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 months