Product data sheet
Characteristics

A9D31610
Residual current breaker with overcurrent protection (RCBO), Acti9 iDPN N Vigi, 1P+N, 10A, C curve, 6000A, AC type, 30mA



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	10 A
Network type	AC
Network frequency	50 Hz
Trip unit technology	Thermal-magnetic
Curve code	C
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	5...10 x In
Residual current tripping technology	Voltage independent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
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
[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 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[RETURN]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	-5…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	4.000 Cm
Package 1 Width	8.500 Cm
Package 1 Length	10.000 Cm
Package 1 Weight	206.000 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	11.601 Kg

Offer Sustainability

Recyclability potential, in %	50
Total lifecycle Carbon footprint	3 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.9874614576889849
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.040125674427049667
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0421662565219554
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1.297130804066965
Carbon footprint of the use phase [B2, B3, B4, B6]	1 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No

Carbon footprint of the end-of-life phase [C1 to C4]	0.2530984478017136
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	3
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	A7b24ae6-2312-4e67-b7c9-56fce3e8c723
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
Halogen-free status	Halogen free plastic parts product
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised