

Product data sheet

Characteristics

A9D40616

Residual current breaker with overcurrent protection (RCBO), Acti9 iSPN Vigi, 1P + N, 16A, 10mA, A type, 6000A



Main

Circuit breaker application	Distribution
Range	Acti9
Product name	ISPN Vigi
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	1P + N
[In] rated current	16 A at 30 °C
Curve code	C
Earth-leakage sensitivity	10 mA
Breaking capacity	6000 A Icn at 230/240 V AC 50 Hz

Complementary

Neutral position	Left
Number of protected poles	1
Network frequency	50 Hz
Network type	AC
Trip unit technology	Thermal-magnetic
Magnetic tripping limit	5...10 x In
[Ue] rated operational voltage	230/240 V AC 50 Hz
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
[Icw] rated short-time withstand current	Icw: 500 A during 8/20 µs impulse withstand
Limitation class	3
[Ui] rated insulation voltage	400 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
Surge current	3000 A
Suitability for isolation	Yes
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	YES
9 mm pitches	2
Height	93 mm
Width	18 mm
Depth	70 mm
Product weight	136 g
Colour	White
Mechanical durability	20000 cycles

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Electrical durability	10000 cycles
Locking options description	ON/OFF locking facilities
Connections - terminals	Tunnel type terminal (upstream) 1...16 mm ² rigid Tunnel type terminal (downstream) 1...10 mm ² rigid Tunnel type terminal (upstream) 1...16 mm ² flexible Tunnel type terminal (downstream) 1...10 mm ² flexible
Wire stripping length	11 Mm for downstream connection 13 mm for upstream connection
Tightening torque	2 N.M upstream 2 N.m downstream
Earth-leakage protection	Integrated

Environment

Standards	AS/NZS 61009.1 IEC 61009-2-2
IP degree of protection	IP20
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-25...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 cm
Package 1 Width	7.2 cm
Package 1 Length	9.25 cm
Package 1 Weight	141 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations