Product data sheet
Characteristics

A9D67416
Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 4P, 16A, C curve, 6000A/6kA, A type, 30mA



Main

Range	Acti9
Product name	Acti9 iC60 RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iC60 RCBO
Device application	Distribution
Poles description	4P
Number of protected poles	4
[In] rated current	16 A
Network type	AC
Network frequency	50 Hz
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 MA
Suitability for isolation	No conforming to IEC 60947-1
Quality labels	VDE NF IMQ KEMA-KEUR

Complementary

Device location in system	Outgoer
[Ue] rated operational voltage	380...415 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 A
Breaking capacity	6000 A Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 KA Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 KA 100 % x Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2
Rated breaking and making capacity	Idm 6000 A at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1
Limitation class	1 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	500 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 KV
Surge current	250 A
Contact position indicator	No
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 Bottom: biconnect
Connection pitch	9 Mm between poles
9 mm pitches	8
Height	86 Mm
Width	72 Mm
Depth	78 Mm
Net weight	423 G
Colour	White
Mechanical durability	20000 Cycles
Electrical durability	10000 Cycles
Connections - terminals	Tunnel type terminal top or bottom 1…35 mm² rigid Tunnel type terminal top or bottom 1…25 mm² flexible Tunnel type terminal top or bottom 1…25 mm² flexible with ferrule
Wire stripping length	12 Mm for top or bottom connection
Tightening torque	2 N.M
Earth-leakage protection	Integrated

Environment

Standards	EN/IEC 60947-2 EN/IEC 61009-2-1
IP degree of protection	IP40 (distribution enclosure) conforming to IEC 60529 IP20 conforming to IEC 60529
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
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.700 Cm
Package 1 Width	8.000 Cm
Package 1 Length	10.000 Cm
Package 1 Weight	434.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	9.800 Cm
Package 2 Width	11.300 Cm
Package 2 Length	24.800 Cm
Package 2 Weight	1.383 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	18
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	8.800 Kg

Offer Sustainability

Mercury free	Yes
Sustainable packaging	No
Environmental Disclosure	Product Environmental Profile
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
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