

# Product datasheet

Specifications



residual current breaker with  
overcurrent protection (RCBO),  
Acti9 iCV40, 1P+N, 16 A, C Curve,  
6000 A, 30 mA, AC type

A9DE3616

## Main

Range	Acti9
Product name	Acti9 iCV40
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iCV40N
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	C
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Breaking capacity	6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Quality labels	IMQ EAC VDE

## Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 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 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1

Rated breaking and making capacity	Idm 6000 A at 230 V AC 50/60 Hz conforming to EN 61009-2-1 Idm 500 A at 230 V AC 50/60 Hz conforming to IEC 61009-2-1
Limitation class	3 conforming to EN/IEC 61009-2-1
[Ui] rated insulation voltage	400 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Contact position indicator	Yes
Control type	Toggle
Local signalling	Fault indication ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: tooth
Connection pitch	9 mm between phase and neutral
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	73 mm
Net weight	210 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Sealable Padlocking device
Connections - terminals	Tunnel type terminals top or bottom 1...16 mm² rigid Tunnel type terminals top or bottom 1...10 mm² flexible
Wire stripping length	14 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	CE
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
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
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	4.0 cm
Package 1 Width	8.2 cm
Package 1 Length	10.0 cm
Package 1 Weight	207 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	11.619 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	104.952 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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
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Recommended replacement(s)