

# Product data sheet

Specifications



**Residual current breaker with overcurrent protection (RCBO), Acti9 iCV40H, 1P+N, 16A, C curve, 10000A, A type, 30mA**

A9DC4616

## Main

Range	Acti9
Product name	Acti9 iCV40
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iCV40H
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 A
Breaking capacity	10000 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	OVE KEMA-KEUR VDE EAC

## 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	7500 A 75 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1

<b>Rated breaking and making capacity</b>	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
<b>Limitation class</b>	3 conforming to EN/IEC 61009-2-1
<b>[Ui] rated insulation voltage</b>	400 V AC 50/60 Hz
<b>[Ui<sub>imp</sub>] rated impulse withstand voltage</b>	4 kV
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	ON/OFF indication Fault indication
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Comb busbar and distribution block compatibility</b>	Top or bottom: tooth
<b>Connection pitch</b>	9 mm between phase and neutral
<b>9 mm pitches</b>	4
<b>Height</b>	85 mm
<b>Width</b>	36 mm
<b>Depth</b>	73 mm
<b>Product weight</b>	210 g
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	20000 cycles
<b>Locking options description</b>	Sealable Padlocking device
<b>Connections - terminals</b>	Tunnel type terminals top or bottom 1...16 mm <sup>2</sup> rigid Tunnel type terminals top or bottom 1...10 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	2 N.m top or bottom
<b>Earth-leakage protection</b>	Integrated

## Environment

<b>Standards</b>	EN/IEC 61009-2-1
<b>Product certifications</b>	CE
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
<b>Pollution degree</b>	3
<b>Overvoltage category</b>	III conforming to IEC 60364
<b>Electromagnetic compatibility</b>	8/20 $\mu$ s impulse withstand, 250 A conforming to EN/IEC 61009-1
<b>Relative humidity</b>	95 % at 55 °C
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.2 cm
<b>Package 1 Width</b>	4.0 cm
<b>Package 1 Length</b>	10.0 cm
<b>Package 1 Weight</b>	228 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	54
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	12.753 kg
<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	432
<b>Package 3 Height</b>	44.4 cm
<b>Package 3 Width</b>	80 cm
<b>Package 3 Length</b>	120 cm
<b>Package 3 Weight</b>	114.024 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACh Regulation</b>	<a href="#">REACh Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>Halogen content performance</b>	Halogen free plastic parts product

## Recommended replacement(s)