

# Product data sheet

Specifications



residual current breaker with overcurrent protection (RCBO), Acti9 iCV40, 3P+N, 20 A, C Curve, 6000 A, 30 mA, A type

A9DC3720

## 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	3P + N
Number of protected poles	3
Neutral position	Left
[In] rated current	20 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	6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Quality labels	VDE EAC

## Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	400 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 400 V AC 50/60 Hz conforming to EN/IEC 61009-2-1

<b>Rated breaking and making capacity</b>	Idm 3000 A at 400 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
<b>Limitation class</b>	3 conforming to EN/IEC 61009-2-1
<b>[Ui] rated insulation voltage</b>	440 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	4 kV
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	Fault indication ON/OFF 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>9 mm pitches</b>	10
<b>Height</b>	93 mm
<b>Width</b>	90 mm
<b>Depth</b>	73 mm
<b>Net weight</b>	500 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 µs 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
<b>Number of Units in Package 1</b>	1

Package 1 Weight	575 g
Package 1 Height	9 cm
Package 1 width	11.5 cm
Package 1 Length	12.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Weight	9.64 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## 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
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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 & cables product