

# A9DF3640

residual current breaker with overcurrent protection (RCBO), Acti9 iCV40, 1P+N, 40 A, C Curve, 6000 A, 30 mA, A-SI type



## 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	40 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-SI
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	VDE RCM KEMA-KEUR EAC

## Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Magnetic tripping limit	5...10 x I <sub>n</sub>
Residual current tripping technology	Voltage independent
[I <sub>cs</sub> ] rated service breaking capacity	6000 A 100 % x I <sub>cn</sub> at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1
Rated breaking and making capacity	I <sub>dm</sub> 6000 A at 230 V AC 50/60 Hz conforming to EN 61009-2-1 I <sub>dm</sub> 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
[U <sub>i</sub> ] rated insulation voltage	400 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication Fault indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: tooth
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	10000 cycles
Locking options description	Sealable Padlocking device
Connections - terminals	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
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, 3000 A conforming to EN/IEC 61009-2-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...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 Weight	219 g
Package 1 Height	4 cm
Package 1 width	8.2 cm
Package 1 Length	10 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	6

Package 2 Weight	1.385 kg
Package 2 Height	9 cm
Package 2 width	10.5 cm
Package 2 Length	25.5 cm
Unit Type of Package 3	S03
Number of Units in Package 3	54
Package 3 Weight	12.9 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

### Offer Sustainability

Sustainable offer status	Green Premium product
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