# **Product datasheet**

Specification





residual current breaker with overcurrent protection (RCBO), Acti9 iCV40, 1P+N, 16 A, C Curve, 6000 A, 300 mA, A-SI type

A9DF7616

#### 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	С	
Earth-Leakage Sensitivity	300 mA	
Earth-Leakage Protection Time Delay	Instantaneous	
Earth-Leakage Protection Class	Type A-SI (Super Immunised)	
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 EAC	

### Complementary

Complementary	Outgoer	
Network Frequency	50/60 Hz	
[Ue] Rated Operational Voltage	230 V AC 50/60 Hz	
Magnetic Tripping Limit	510 x ln	
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	ON/OFF indication Fault 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 116 mm² rigid Tunnel type terminals top or bottom 110 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, 3000 A conforming to EN/IEC 61009-2-1	
Relative Humidity	95 % at 55 °C	
Operating Altitude	2000 m	
Ambient Air Temperature For Operation	-2560 °C	
Ambient Air Temperature For Storage	-4085 °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	204 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	11.457 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	103.656 kg

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

<b>②</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes
<b>②</b>	Halogen Free Plastic Parts Product	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

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