Product data sheet

Specifications

Residual current breaker with overcurrent protection (RCBO), Acti9 iCV40N, 3P+N, 20A, C curve, 6000A, AC type, 300mA

A9DE7720

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	300 mA
Earth-Leakage Protection Time Delay	Instantaneous
Earth-Leakage Protection Class	Type AC
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

Complementary	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
Rated Breaking And Making Capacity	Idm 3000 A at 400 V AC 50/60 Hz conforming to EN 61009-2-1 Idm 500 A at 400 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	440 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	18 mm between phases 9 mm between phase and neutral
9 Mm Pitches	10
Height	93 mm
Width	90 mm
Depth	73 mm
Net Weight	500 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 61009-1
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	8.6 cm
Package 1 Width	11.3 cm

Package 1 Length	12.5 cm
Package 1 Weight	554.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	16
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	9.316 kg

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium 〉

Guide to assess a product's sustainability 〉

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

✓ Halogen Free Plastic Parts & Cables 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

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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

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Circularity Profile   No need of specific recycling operations