

Product datasheet

Specifications



Residual current circuit breaker (RCCB), Acti9 REDm, 4P, 40A, A type, 30mA

A9CR8440

Main

range of product	Acti9
Product name	Acti9 REDm
Product or component type	Residual current circuit breaker (RCCB)
Poles description	4P
Neutral position	Right
[In] rated current	40 A
Earthing system	TN-S TT
Network type	AC
Earth-leakage sensitivity	30 mA

Complementary

Device location in system	Outgoer
Network frequency	50 Hz
[Ue] rated operational voltage	400 V AC 50 Hz
Reset	Fault reset earth leakage
Test function	Auto test Manual 10 s at > 195 V
Residual current tripping technology	Voltage independent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
Minimum leakage resistance	16 kOhm at operating 8 kOhm at non-operating
[Im] rated making and breaking capacity	Idm 630 A 400 V
Rated conditional short-circuit current	Inc: 10 kA - associated with iC60N, 16 A Inc: 6 kA - associated with iC60N, 25 A Inc: 10 kA - associated with iC60H, 16 A Inc: 6 kA - associated with iC60H, 25 A Inc: 6 kA - associated with DT40, 40 A Inc: 10 kA - associated with NG125, 16 A Inc: 6 kA - associated with NG125, 25 A : 10 kA - associated with gG fuse, 50 A
[Ui] rated insulation voltage	500 V AC 50 Hz conforming to EN 50557
[Uimp] rated impulse withstand voltage	4 kV
Control type	Toggle

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Local signalling	1 LED Residual current device : ON/OFF indication green
Operating mode	Autotest: 10 s
Insulation fault diagnosis	If fault detected, diagnosis every 2 minutes
Signalling circuit voltage	AC: 5...230 V DC: 5...230 V
Signalling output current	0.6 mA min 100 mA max, cos phi =1
Mounting support	DIN rail
9 mm pitches	14
Height	106 mm
Width	126 mm
Depth	81 mm
Net weight	0.370 kg
Colour	Grey
Mechanical durability	4000 cycles open-close
Electrical durability	4000 cycles 230 V AC 50 Hz open-close conforming to EN 50557
Connections - terminals	Guard tunnel terminal 35 mm ² rigid Guard tunnel terminal 35 mm ² flexible Guard tunnel terminal 35 mm ² flexible with ferrule
Auxiliary connection terminal	Tunnel type terminal in 2.5 mm ² flexible Tunnel type terminal in 2.5 mm ² rigid Tunnel type terminal in 2.5 mm ² flexible with ferrule
Wire stripping length	Power circuit: 12 mm Signaling: 5 mm
Tightening torque	Power circuit: 3 N.m Signaling: 0.5 N.m

Environment

Standards	EN/IEC 61008-1
IP degree of protection	IP20 conforming to EN/IEC 60529
IK degree of protection	IK05 conforming to IEC 60068-2-75
Pollution degree	2 conforming to EN 50557
Electromagnetic compatibility	8/20 µs wave immunity, 250 A conforming to EN 50557
Tropicalisation	2 conforming to IEC 61008
Relative humidity	95 % at 55 °C
Operating altitude	0...2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.500 cm
Package 1 Width	13.000 cm

Package 1 Length	15.500 cm
Package 1 Weight	767.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.711 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Compliant with Exemptions

SCIP Number

A7b24ae6-2312-4e67-b7c9-56fce3e8c723

REACH Regulation

[REACH Declaration](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

Take-back

No

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins