

Product datasheet

Specifications



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

A9R50440

Main

Range	Acti9
product name	Acti9 iID K
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID K
Poles description	4P
Neutral position	Left
[In] rated current	40 A
Network type	AC
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Quality labels	VDE

Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	380...415 V AC 50/60 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	I _{dm} 500 A I _m 500 A
Rated conditional short-circuit current	GL63: Inc 4.5 kA K60: Inc 6 kA C60: Inc 6 kA
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Surge current	250 A
Contact position indicator	No
Control type	Toggle
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	8
Height	85 mm

Width	72 mm
Depth	69 mm
Net weight	0.37 kg
Colour	White
Mechanical durability	5000 cycles
Electrical durability	AC-1: 2000 cycles
Locking options description	Padlocking device
Connections - terminals	Tunnel type terminals top or bottom 1...35 mm ² rigid Tunnel type terminals top or bottom 1...25 mm ² flexible Tunnel type terminals top or bottom 1...25 mm ² flexible with ferrule
Wire stripping length	16 mm for top or bottom connection
Tightening torque	3.5 N.m top or bottom

Environment

Standards	EN/IEC 61008-1 EN/IEC 61008-2-1
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	2
Electromagnetic compatibility	8/20 µs impulse withstand, 200 A conforming to EN/IEC 61008-1
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	8.500 cm
Package 1 Width	7.500 cm
Package 1 Length	10.000 cm
Package 1 Weight	361.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.262 kg
Unit Type of Package 3	P12
Number of Units in Package 3	216
Package 3 Height	45.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	93.872 kg

Contractual warranty

Warranty

18 months

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 >](#)

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 65

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

[EU RoHS Directive](#) Compliant

REACH Regulation [REACH Declaration](#)

China RoHS Regulation [China RoHS declaration](#)

Use Again

Repack and remanufacture

Circularity Profile No need of specific recycling operations

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

Take-back No