Product data sheet
Characteristics

A9R50440
Residual current circuit breaker (RCCB), Acti9 iID K, 4P, 40A, AC type, 30mA



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	Idm 500 A Im 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	35 mm 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 mm² rigid Tunnel type terminals top or bottom 1…25 mm² flexible Tunnel type terminals top or bottom 1…25 mm² 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	10.188 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	93.504 Kg

Offer Sustainability

Recyclability potential, in %	53
Total lifecycle Carbon footprint	66 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3.334726609248678
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.08480056104486555
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.037615699171047186
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	61.396413248182775
Carbon footprint of the use phase [B2, B3, B4, B6]	61 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.9796508105408359
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	66
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

EU RoHS Directive	Compliant By Exemption
OECD PFAS Regulation	Item contains PFAS Chemicals
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	Yes
End of life manual availability	No need of specific recycling operations
WEEE Label	The product must be disposed on European Union markets following specific waste collection a