Product data sheet
Characteristics

A9R21240
Residual current circuit breaker (RCCB), Acti9 iID, 2P, 40A, A type, 30mA



Main

Range	Acti9
Product name	Acti9 iID
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID
Poles description	2P
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 A

Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	230...240 V AC 50/60 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	Idm 1500 A Im 1500 A
Rated conditional short-circuit current	10 KA
[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 KV
Contact position indicator	Yes
Control type	Toggle
Mounting mode	Clip-on
Mounting support	35 mm DIN rail
9 mm pitches	4
Height	85 Mm
Width	36 Mm
Depth	69 Mm
Embedding depth	44 Mm
Net weight	210 G
Colour	White (RAL 9003)
Mechanical durability	20000 Cycles
Electrical durability	15000 Cycles
Locking options description	Padlocking device

Connections - terminals	Single terminal top or bottom 1…35 mm² rigid Single terminal top or bottom 1…25 mm² flexible Single terminal top or bottom 1…25 mm² flexible with ferrule
Wire stripping length	14 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	3
Electromagnetic compatibility	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61008-1
Ambient air temperature for operation	-25…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	4.000 Cm
Package 1 Width	8.500 Cm
Package 1 Length	10.000 Cm
Package 1 Weight	220.200 G
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	12.173 Kg

Offer Sustainability

Recyclability potential, in %	53
Total lifecycle Carbon footprint	43 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.8277040884337734
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.04647767277033192
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.020616492810397874
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	40.930942165455185
Carbon footprint of the use phase [B2, B3, B4, B6]	41 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.536929110379562
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	43
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	42d9fa7e-1604-4ebd-8742-78b281843dbb
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel (Metallic) and Lead and le
OECD PFAS Regulation	Item contains PFAS Chemicals
Ship Recycling Directive	Reportable

POP Directive	No POPs
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
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised