Product data sheet
Characteristics

A9R12491
Residual current circuit breaker (RCCB), Acti9 iID, 4P, 100A, AC type, 100mA



Main

Range	Acti9
Product name	Acti9 iID
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID
Poles description	4P
Neutral position	Left
[In] rated current	100 A
Network type	AC
Earth-leakage sensitivity	100 MA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC

Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	400...415 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	8
Height	85 Mm
Width	72 Mm
Depth	69 Mm
Embedding depth	44 Mm
Net weight	370 G
Colour	White (RAL 9003)
Mechanical durability	20000 Cycles
Electrical durability	10000 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
Product certifications	ISI[RETURN]EAC
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	-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	7.500 Cm
Package 1 Width	8.300 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	10.216 Kg

Offer Sustainability

Recyclability potential, in %	53
Total lifecycle Carbon footprint	117 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3.007577462699625
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0764813089971065
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.03392545846390071
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	113.0986559834946
Carbon footprint of the use phase [B2, B3, B4, B6]	113 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.883543403806006
Carbon footprint of the end-of-life phase [C1 to C4]	0.9 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	117
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	E30d8de5-e712-4620-931e-4a4cf9525d5a
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
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