Product data sheet
Characteristics

A9N61538
Miniature circuit breaker (MCB), Acti9 C60H-DC, 2P, 50A, C curve, 6kA (IEC/EN 60947-2)



Main

Range	Acti9
Product name	Acti9 C60H-DC
Product or component type	Miniature circuit-breaker
Device short name	C60H-DC
Device application	Distribution
Poles description	2P
Number of protected poles	2
[In] rated current	50 A at 25 °C
Network type	DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 KA Icu at 440 V DC conforming to EN 60947-2 10 KA Icu at 440 V DC conforming to IEC 60947-2 6 KA Icu at 500 V DC conforming to EN 60947-2 6 KA Icu at 500 V DC conforming to IEC 60947-2 20 KA Icu at 220 V DC conforming to GB 14048.2 20 KA Icu at 220 V DC conforming to IEC 60947-2 20 KA Icu at 250 V DC conforming to GB 14048.2 20 KA Icu at 250 V DC conforming to IEC 60947-2
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2 Yes conforming to EN 60947-2
Standards	EN 60947-2 IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	500 V DC
[Ics] rated service breaking capacity	15 KA 75 % conforming to EN 60947-2 - 220 V DC 15 KA 75 % conforming to IEC 60947-2 - 220 V DC 15 KA 75 % conforming to EN 60947-2 - 250 V DC 15 KA 75 % conforming to IEC 60947-2 - 250 V DC 4.5 KA 75 % conforming to EN 60947-2 - 500 V DC 4.5 KA 75 % conforming to IEC 60947-2 - 500 V DC 7.5 KA 75 % conforming to EN 60947-2 - 440 V DC 7.5 KA 75 % conforming to IEC 60947-2 - 440 V DC
[Ui] rated insulation voltage	500 V DC conforming to IEC 60947-2 500 V DC conforming to EN 60947-2
[Uimp] rated impulse withstand voltage	6 KV conforming to EN 60947-2 6 KV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle

Local signalling	ON/OFF indication
Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	Top or bottom: standard
9 mm pitches	4
Net weight	0.256 Kg
Colour	White
Mechanical durability	20000 Cycles
Electrical durability	3000 Cycles L/R = 2 ms
Provision for padlocking	Padlockable
Locking options description	In position O
Tightening torque	Power circuit: 2.5 N.m top or bottom
Earth-leakage protection	Without

Environment

Pollution degree	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-2
Operating altitude	2000 m
Ambient air temperature for operation	-25…70 °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	7.300 Cm
Package 1 Width	3.600 Cm
Package 1 Length	8.500 Cm
Package 1 Weight	243.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.000 Cm
Package 2 Width	9.000 Cm
Package 2 Length	22.500 Cm
Package 2 Weight	1.511 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30.000 Cm
Package 3 Width	30.000 Cm
Package 3 Length	40.000 Cm
Package 3 Weight	18.900 Kg

Offer Sustainability

Recyclability potential, in %	53
Total lifecycle Carbon footprint	54 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.6842225754719429
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.031289285141367223
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.01717493836198141
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	51.70239999999999
Carbon footprint of the use phase [B2, B3, B4, B6]	52 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes

Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.619772873715768
Carbon footprint of the end-of-life phase [C1 to C4]	0.6 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	54
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	A5974528-db7a-4dab-baff-e3d40953a6f2
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
OECD PFAS Regulation	Item contains PFAS Chemicals
POP Directive	No POPs
Halogen-free status	Product contains halogen above thresholds
Silicone-free	No
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