Product data sheet
Characteristics

A9K24450
Miniature circuit breaker (MCB), Acti9 iK60N, 4P, 50A, C curve, 6000A (IEC/EN 60898-1)



Main

Range	Acti9
Product name	Acti9 iK60
Product or component type	Miniature circuit-breaker
Device short name	iK60N
Device application	Distribution
Poles description	4P
Number of protected poles	4
[In] rated current	50 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Suitability for isolation	Yes conforming to EN/IEC 60898-1
Standards	EN/IEC 60898-1

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	400 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
Breaking capacity	6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	440 V AC 50/60 Hz conforming to EN/IEC 60898-1
[Uimp] rated impulse withstand voltage	4 KV conforming to EN/IEC 60898-1
Contact position indicator	No
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	35 mm DIN rail
Connection pitch	18 Mm between phases
9 mm pitches	8
Height	85 Mm
Width	72 Mm
Depth	78.5 Mm
Net weight	400 G
Colour	White
Mechanical durability	20000 Cycles
Electrical durability	10000 Cycles

Locking options description	Padlocking device
Connections - terminals	Tunnel type terminal (top or bottom) , 1…35 mm², rigid Tunnel type terminal (top or bottom) , 1…25 mm², flexible
Wire stripping length	14 Mm for top or bottom connection
Tightening torque	3.5 N.M top or bottom
Earth-leakage protection	Without

Environment

IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2 conforming to EN/IEC 60898-1
Overvoltage category	II
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	6.8 Cm
Package 1 Width	7.0 Cm
Package 1 Length	9.0 Cm
Package 1 Weight	492.0 G
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.6 Cm
Package 2 Width	9.6 Cm
Package 2 Length	21.8 Cm
Package 2 Weight	1.534 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	33
Package 3 Height	30.0 Cm
Package 3 Width	30.0 Cm
Package 3 Length	40.0 Cm
Package 3 Weight	17.315 Kg

Offer Sustainability

Recyclability potential, in %	49
Total lifecycle Carbon footprint	12 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.2564583070083915
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.10437317406203424
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.029288223048113876
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5.816502307722574
Carbon footprint of the use phase [B2, B3, B4, B6]	6 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	1.383006676728142
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	12
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
OECD PFAS Regulation	Item contains PFAS Chemicals

Halogen-free status	Product contains halogen above thresholds
PVC 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