Product data sheet
Characteristics

A9K24140
Miniature circuit breaker (MCB), Acti9 iK60N, 1P, 40A, 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	1P
Number of protected poles	1
[In] rated current	40 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
Product certifications	SNI

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
Breaking capacity	6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 230 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 devices
9 mm pitches	2
Height	85 Mm
Width	18 Mm
Depth	78.5 Mm
Net weight	100 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	1.8 Cm
Package 1 Width	7.5 Cm
Package 1 Length	9.4 Cm
Package 1 Weight	120 G
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.6 Cm
Package 2 Width	9.6 Cm
Package 2 Length	21.8 Cm
Package 2 Weight	1.498 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	16.965 Kg

Offer Sustainability

Recyclability potential, in %	49
Total lifecycle Carbon footprint	3 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.0300998951282898
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.025259215032949277
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.00708800446622032
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1.7449506923167721
Carbon footprint of the use phase [B2, B3, B4, B6]	2 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.3346996328646465
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	3
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