Product data sheet
Characteristics

A9K27120
Miniature circuit breaker (MCB), Acti9 iK60N, 1P, 20A, 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	20 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
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…25 mm², rigid Tunnel type terminal (top or bottom) , 1…16 mm², flexible
Wire stripping length	14 Mm for top or bottom connection
Tightening torque	2 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	III
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	2.000 Cm
Package 1 Width	7.500 Cm
Package 1 Length	9.500 Cm
Package 1 Weight	100.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.500 Cm
Package 2 Width	9.000 Cm
Package 2 Length	12.000 Cm
Package 2 Weight	1.250 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Height	30.000 Cm
Package 3 Width	30.000 Cm
Package 3 Length	40.000 Cm
Package 3 Weight	14.280 Kg

Offer Sustainability

Recyclability potential, in %	49
Total lifecycle Carbon footprint	3 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.8908544652089244
Carbon footprint of the manufacturing phase [A1 to A3]	0.9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.02184475952885404
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.006129871926029825
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1.4541255769306436
Carbon footprint of the use phase [B2, B3, B4, B6]	1 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.2894560652334828
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
Halogen-free status	Product contains halogen above thresholds

PVC free	Yes
End of life manual availability	No need of specific recycling operations