Product data sheet
Characteristics

A9P44632
Miniature circuit breaker (MCB), Acti9 iC40N, 1P+N, 32A, B curve, 6000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)



Main

Range	Acti9
Product name	Acti9 iC40
Product or component type	Miniature circuit-breaker
Device short name	iC40N
Device application	Distribution
Poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	32 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	10 KA Icu at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Quality labels	IMQ OVE KEMA

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz
Magnetic tripping limit	3...5 x In conforming to EN/IEC 60898-1 4 x In +/- 20 % conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 5 KA 50 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	400 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	4 KV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication Trip indicator
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	2
Height	85 Mm

Width	18 Mm
Depth	74 Mm
Net weight	120 G
Colour	White
Mechanical durability	20000 Cycles
Electrical durability	10000 Cycles
Locking options description	Padlocking device
Connections - terminals	Tunnel type terminals top or bottom 1…10 mm² flexible Tunnel type terminals top or bottom 1…16 mm² rigid
Wire stripping length	14 Mm for top or bottom connection
Tightening torque	2 N.M top or bottom
Earth-leakage protection	Separate block

Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
Product certifications	CE[RETURN]BV[RETURN]RINA[RETURN]DNV
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Relative humidity	95 % at 55 °C
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	1.8 Cm
Package 1 Width	7.4 Cm
Package 1 Length	9.4 Cm
Package 1 Weight	122.0 G
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.1 Cm
Package 2 Width	9.8 Cm
Package 2 Length	22.5 Cm
Package 2 Weight	1.526 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	17.273 Kg

Offer Sustainability

Recyclability potential, in %	53
Total lifecycle Carbon footprint	25 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.894426977
Carbon footprint of the manufacturing phase [A1 to A3]	0.9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.017316635
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.006310624
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	23.69627586
Carbon footprint of the use phase [B2, B3, B4, B6]	24 kg CO2 eq.

Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.348324335
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	25
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	C839c050-8547-41ce-b0db-e9813554fc09
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
POP Directive	No POPs
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
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