Product datasheet
Characteristics

A9F87120
Miniature circuit-breaker, Acti9 iC60H, 1P, 20 A, C curve, 10000 A (IEC 60898-1), 15 kA (IEC 60947-2)



Main

Device application	Distribution
Range	Acti 9
Product name	Acti 9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60H
Poles description	1P
Number of protected poles	1
[In] rated current	20 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 15 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 42 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2 20 kA Icu at 12...60 V DC conforming to EN/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 EN 60898-1 Yes conforming to EN 60947-2 Yes conforming to IEC 60898-1 Yes conforming to IEC 60947-2
Standards	IEC 60898-1 EN 60898-1 IEC 60947-2 EN 60947-2

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	21 kA 50 % conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 50 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 21 kA 50 % conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 50 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 7500 A 75 % conforming to EN 60898-1 - 230 V AC 50/60 Hz 7500 A 75 % conforming to IEC 60898-1 - 230 V AC 50/60 Hz 15 kA 50 % conforming to IEC 60947-2 - 100...133 V AC 50/60 Hz 15 kA 50 % conforming to EN 60947-2 - 100...133 V AC 50/60 Hz 15 kA 100 % conforming to EN 60947-2 - 72 V DC 15 kA 100 % conforming to IEC 60947-2 - 72 V DC 20 kA 100 % conforming to EN 60947-2 - 12...60 V DC 20 kA 100 % conforming to IEC 60947-2 - 12...60 V DC
Limitation class	3 conforming to EN 60898-1 3 conforming to IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN 60947-2 500 V AC 50/60 Hz conforming to IEC 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	Trip indicator
Mounting mode	Fixed
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: YES
9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	78.5 mm
Net weight	0.215 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Single terminal (top or bottom) 1…25 mm² rigid Single 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 IP20 conforming to EN 60529
Pollution degree	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	0...2000 m
Ambient air temperature for operation	-35…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 Weight	112 g
Package 1 Height	1.8 cm
Package 1 width	7.5 cm
Package 1 Length	9.4 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	1.43 kg
Package 2 Height	10 cm
Package 2 width	10 cm
Package 2 Length	22 cm
Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Weight	16.217 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product

Contractual warranty

Warranty	18 months