Product datasheet
Characteristics

A9F83116
iC60H - miniature circuit breaker - 1P - 16A - B curve



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	16 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	30 kA Icu conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10000 A Icn conforming to EN/IEC 60898-1 - 230 V AC 50/60 Hz 42 kA Icu conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 60...72 V DC 20 kA Icu conforming to EN/IEC 60947-2 - 12...60 V DC
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2 Yes conforming to EN 60898-1 Yes conforming to IEC 60898-1
Standards	EN 60898-1 EN 60947-2 IEC 60898-1 IEC 60947-2

Complementary

Network frequency	50/60 Hz

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

Magnetic tripping limit	4 x In +/- 20 %
[Ics] rated service breaking capacity	15 kA 100 % x Icu conforming to EN 60947-2 - 72 V DC 15 kA 100 % x Icu conforming to IEC 60947-2 - 72 V DC 7500 A 75 % x Icu conforming to EN 60898-1 - 230 V AC 50/60 Hz 7500 A 75 % x Icu conforming to IEC 60898-1 - 230 V AC 50/60 Hz 15 kA 50 % x Icu conforming to IEC 60947-2 - 100...133 V AC 50/60 Hz 15 kA 50 % x Icu conforming to EN 60947-2 - 100...133 V AC 50/60 Hz 20 kA 100 % x Icu conforming to EN 60947-2 - 12...60 V DC 20 kA 100 % x Icu conforming to IEC 60947-2 - 12...60 V DC 21 kA 50 % x Icu conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 50 % x Icu conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 21 kA 50 % x Icu conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 50 % x Icu conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz
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 IEC 60947-2 500 V AC 50/60 Hz conforming to EN 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	YES top or bottom
9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	78.5 mm
Product weight	0.215 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Single terminal, top or bottom rigid wire(s) 1...25 mm² max Single terminal, top or bottom flexible wire(s) 1...16 mm² max
Wire stripping length	14 mm top or bottom
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Without

Environment

IP degree of protection	IP20 conforming to EN 60529 IP20 conforming to IEC 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 % (55 °C)
Operating altitude	0...2000 m
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-40...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months