

A9F68401

iT60N miniature circuit breaker - 4P - 1 A - C curve



Main

Device application	Distribution
Range	Acti 9
Product name	Acti 9 iT60
Product or component type	Miniature circuit-breaker
Device short name	IT60N
Poles description	4P
Number of protected poles	4
[In] rated current	1 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	50 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 50 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - <= 250 V DC 50 kA Icu conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz 50 kA Icu conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz 25 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 6000 A Icn conforming to EN/IEC 60898-1 - 400 V AC 50/60 Hz
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
Magnetic tripping limit	8 x I _n +/- 20 %
[Ics] rated service breaking capacity	6000 A 100 % x I _{cu} conforming to IEC 60898-1 - 400 V AC 50/60 Hz 10 kA 100 % x I _{cu} conforming to IEC 60947-2 - 180...250 V DC 10 kA 100 % x I _{cu} conforming to EN 60947-2 - 180...250 V DC 6000 A 100 % x I _{cu} conforming to EN 60898-1 - 400 V AC 50/60 Hz 50 kA 100 % x I _{cu} conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 50 kA 100 % x I _{cu} conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 50 kA 100 % x I _{cu} conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 25 kA 100 % x I _{cu} conforming to EN 60947-2 - 440 V AC 50/60 Hz 50 kA 100 % x I _{cu} conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 25 kA 100 % x I _{cu} conforming to IEC 60947-2 - 440 V AC 50/60 Hz 50 kA 100 % x I _{cu} conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz 50 kA 100 % x I _{cu} conforming to EN 60947-2 - 12...133 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	Removable comb busbar installed
Mounting support	DIN rail
9 mm pitches	8
Width	72 mm
Colour	White
Connections - terminals	Single terminal, top or bottom rigid wire(s) 1...25 mm ² max Single terminal, top or bottom flexible wire(s) 1...16 mm ² 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 B conforming to EN/IEC 60529
Pollution degree	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
Overvoltage category	II
Tropicalisation	2 conforming to EN/IEC 60068-2-78
Relative humidity	95 %
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 - since 0627 - Schneider Electric declaration of conformity 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
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