Product datasheet
Characteristics

A9F54450
Acti9 iC60H 4P 50A C Miniature Circuit breaker

Main

Range	Acti 9
Range of product	Acti 9
Product name	Disbo iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60H
Poles description	4P
Number of protected poles	4
[In] rated current	50 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity code	H
Breaking capacity	10 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 15 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 30 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - 100...133 V DC 42 kA Icu conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 10000 A Icn conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz
Utilisation category	Category A conforming to EN/IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	440 V AC 50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	15 kA 50 % x Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 10 kA 100 % x Icu conforming to EN/IEC 60947-2 - 100...133 V DC 21 kA 50 % x Icu conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 10000 A 100 % x Icu conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz 5 kA 50 % x Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz
Limitation class	3 conforming to EN/IEC 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

[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	Trip indicator
Mounting mode	Clip-on
Mounting support	Rail
Connection pitch	18 mm Between phases
9 mm pitches	8
Height	85 mm
Width	72 mm
Depth	78.5 mm
Product weight	0.5 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Single terminal, top or bottom rigid wire(s) 1...35 mm² max Single terminal, top or bottom flexible wire(s) 1...25 mm² max
Wire stripping length	14 mm top or bottom
Tightening torque	3.5 N.m top or bottom
Earth-leakage protection	Separate block
Compatibility code	IC60

Environment

Standards	EN/IEC 60947-2 EN/IEC 60898-1
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % (55 °C)
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