

# Product datasheet

## Characteristics

# A9F54250

## Acti9 iC60H 2P 50A C Miniature Circuit breaker



### Main

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

### Complementary

Network frequency	50/60 Hz
[U <sub>e</sub> ] rated operational voltage	440 V AC 50/60 Hz
Magnetic tripping limit	8 x I <sub>n</sub> +/- 20 %
[I <sub>cs</sub> ] rated service breaking capacity	21 kA 50 % conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 15 kA 50 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 50 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 5 kA 50 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 10000 A 100 % conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz 10 kA 100 % conforming to EN/IEC 60947-2 - 100...133 V DC
Limitation class	3 conforming to EN/IEC 60947-2
[U <sub>i</sub> ] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[U <sub>imp</sub> ] 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
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	78.5 mm
Net weight	0.25 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Single terminal (top or bottom) 1...35 mm <sup>2</sup> rigid Single terminal (top or bottom) 1...25 mm <sup>2</sup> flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 N.m top or bottom
Earth-leakage protection	Separate block

## 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 % at 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
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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