Product datasheet

Specifications

Thermal magnetic circuit breaker, TeSys GB2, 2P, 8 A, Icu 1.5 kA@415 V

Local distributor code: 386187401 GB2DB14

EAN Code : 3389110865509

Main

Range	TeSys
Product name	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Device application	Control
Poles description	2P
Network type	AC/DC
Utilisation category	Category A conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1
Network frequency	50/60 Hz conforming to IEC 60947-2
Breaking capacity	3 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 24 V DC conforming to IEC 60947-2 1 kA Icu at 48 V DC conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	108 A

Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Vertical Horizontal
Control type	Toggle
[In] rated current	8 A
[Ue] rated operational voltage	415 V AC 50/60 Hz conforming to IEC 60947-2 48 V DC
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60947-2
Power dissipation per pole	2 W
Mechanical durability	8000 cycles

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

Electrical durability	8000 cycles
Connections - terminals	Connector 1 cable(s) 0.75…6 mm²solid without cable end Connector 2 cable(s) 0.75…4 mm²solid without cable end Connector 1 cable(s) 0.75…4 mm²flexible with cable end Connector 2 cable(s) 0.75…2.5 mm²flexible with cable end
Tightening torque	1.2 N.m on connector
Mechanical robustness	Shocks: 22 Gn for 20 ms conforming to IEC 60068-2-27 Vibrations: 5 Gn, 5...110 Hz conforming to IEC 60068-2-6
Quantity per set	Set of 3
9 mm pitches	4
Height	74 mm
Width	30 mm
Depth	70 mm
Net weight	0.115 kg

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20…60 °C
Ambient air temperature for storage	-40…80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.2 cm
Package 1 Width	8.5 cm
Package 1 Length	9.7 cm
Package 1 Weight	107.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.2 cm
Package 2 Width	8.5 cm
Package 2 Length	9.7 cm
Package 2 Weight	347.0 g
Unit Type of Package 3	S02
Number of Units in Package 3	36
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	4.469 kg

Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
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

Recommended replacement(s)