

Product data sheet

Specifications



Thermal magnetic circuit breaker, TeSys GB2, 1P+N, 0.5 A, Icu 50 kA@240 V

GB2CD05

Main

Range	TeSys
Product name	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Device application	Control
Poles description	1P + N
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	50 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 230/240 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	100 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 25 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	6.6 A

Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Control type	Toggle
[In] rated current	0.5 A
[Ue] rated operational voltage	250 V AC 50/60 Hz conforming to IEC 60947-2 277 V AC 60 Hz conforming to CSA C22.2 No 235 277 V AC 60 Hz conforming to UL 1077 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

Electrical durability	8000 cycles
Connections - terminals	Connector 1 cable(s) 0.75...6 mm ² solid without cable end Connector 2 cable(s) 0.75...4 mm ² solid without cable end Connector 1 cable(s) 0.75...4 mm ² flexible with cable end Connector 2 cable(s) 0.75...2.5 mm ² flexible 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 6
9 mm pitches	2
Height	74 mm
Width	15 mm
Depth	67 mm
Net weight	0.07 kg

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 CSA C22.2 No 235 UL 1077
Product certifications	UL CSA
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 Weight	59 g
Package 1 Height	1.5 cm
Package 1 width	7 cm
Package 1 Length	7.5 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Weight	382 g
Package 2 Height	8 cm
Package 2 width	10 cm
Package 2 Length	8 cm
Unit Type of Package 3	S02
Number of Units in Package 3	72
Package 3 Weight	5.003 kg
Package 3 Height	15 cm
Package 3 width	30 cm

Package 3 Length	40 cm
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Offer Sustainability

Sustainable offer status	Green Premium product
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REACH Regulation	REACH Declaration
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REACH free of SVHC	Yes
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EU RoHS Directive	Compliant EU RoHS Declaration
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Toxic heavy metal free	Yes
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Mercury free	Yes
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RoHS exemption information	Yes
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China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
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Environmental Disclosure	Product Environmental Profile
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WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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California proposition 65	WARNING: Cancer - www.P65Warnings.ca.gov
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Contractual warranty

Warranty	18 months
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