# **Product datasheet**





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

Local distributor code: 2219844

GB2CB05

EAN Code: 3389110214673

#### Main

Range	TeSys
Product Name	TeSys GB2
Device Short Name	GB2
Product Or Component Type	Circuit breaker
Device Application	Control
Poles Description	1P
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

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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	ed Impulse Withstand 4 kV conforming to IEC 60947-2	
Power Dissipation Per Pole	sipation Per Pole 2 W	
Mechanical Durability	8000 cycles	
Electrical Durability	8000 cycles	

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Connections - Terminals	Connector 1 cable(s) 0.756 mm²solid without cable end Connector 2 cable(s) 0.754 mm²solid without cable end Connector 1 cable(s) 0.754 mm²flexible with cable end Connector 2 cable(s) 0.752.5 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, 5110 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	

## **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	-2060 °C	
Ambient Air Temperature For Storage	-4080 °C	
Fire Resistance	960 °C conforming to IEC 60695-2-1	
Operating Altitude	3000 m	

## **Packing Units**

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Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	8.000 cm	
Package 1 Width	10.000 cm	
Package 1 Length	8.000 cm	
Package 1 Weight	50.000 g	
Unit Type Of Package 2	BB1	
Number Of Units In Package 2	er Of Units In Package 2 6	
Package 2 Height	8.000 cm	
Package 2 Width	10.000 cm	
Package 2 Length	8.000 cm	
Package 2 Weight	322.000 g	
Unit Type Of Package 3	ne Of Package 3 S02	
Number Of Units In Package 3	72	
Package 3 Height	15.000 cm	
Package 3 Width	30.000 cm	
Package 3 Length	40.000 cm	

Package 3 Weight 4.212 kg

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

#### Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>②</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration  Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations