# **Product datasheet**

Specification





# Thermal magnetic circuit breaker, TeSys GB2, 1P, 12 A, Icu 1.5 kA@240 V

Local distributor code: 2219938

GB2CB20

EAN Code: 3389110214659

#### 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	2 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 24 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	
Trip Unit Technology	chnology Thermal-magnetic	
Magnetic Tripping Current	165 A	

### Complementary

Mounting Mode	By clips
Mounting Support	Rail Plate
Mounting Position	Horizontal Vertical
Control Type	Toggle
[In] Rated Current	12 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

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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	тс	
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	1.5 cm
Package 1 Width	6.8 cm
Package 1 Length	7.3 cm
Package 1 Weight	52.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	8.0 cm
Package 2 Width	12.9 cm
Package 2 Length	10.9 cm
Package 2 Weight	335.0 g
Unit Type Of Package 3	S02
Number Of Units In Package 3	72
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm

Package 3 Weight 4.494 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