## **Product datasheet**

Specifications

#### Green Premium<sup>™</sup>



# Circuit breaker, TeSys GB2, 1P, 0.5A, Icu 50kA at 240V, Thermal magnetic, DIN rail mounted

GB2CB05

#### Main

Range	TeSys	
Product Name	TeSys GB2	
Device Short Name	GB2	
Product Or Component Type	Circuit breaker	
Device Application	Control 1P	
Poles Description		
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) 0.756 mm <sup>2</sup> solid without cable end Connector 2 cable(s) 0.754 mm <sup>2</sup> solid without cable end Connector 1 cable(s) 0.754 mm <sup>2</sup> flexible with cable end Connector 2 cable(s) 0.752.5 mm <sup>2</sup> flexible with cable end	
Tightening Torque	ing 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	e For -4080 °C	
Fire Resistance	nce 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	8.000 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	6
Package 2 Height	8.000 cm
Package 2 Width	10.000 cm 8.000 cm
Package 2 Length	
Package 2 Weight	322.000 g
Unit Type 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

2

Package 3 Weight

4.212 kg

### **Contractual warranty**

Warranty

18 months

## Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free	
Mercury Free	
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