

# Product data sheet

Specifications



## Thermal magnetic circuit breaker, TeSys GB2, 1P, 4 A, Icu 3 kA@240 V

GB2CB09

### 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	6 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 3 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	50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	52 A

### Complementary

Mounting mode	By clips
Mounting support	Rail Plate
Mounting position	Horizontal Vertical
Control type	Toggle
[In] rated current	4 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

<b>Electrical durability</b>	8000 cycles
<b>Connections - terminals</b>	Connector 1 cable(s) 0.75...6 mm <sup>2</sup> solid without cable end Connector 2 cable(s) 0.75...4 mm <sup>2</sup> solid without cable end Connector 1 cable(s) 0.75...4 mm <sup>2</sup> flexible with cable end Connector 2 cable(s) 0.75...2.5 mm <sup>2</sup> flexible with cable end
<b>Tightening torque</b>	1.2 N.m on connector
<b>Mechanical robustness</b>	Shocks: 22 Gn for 20 ms conforming to IEC 60068-2-27 Vibrations: 5 Gn, 5...110 Hz conforming to IEC 60068-2-6
<b>Quantity per set</b>	Set of 6
<b>9 mm pitches</b>	2
<b>Height</b>	74 mm
<b>Width</b>	15 mm
<b>Depth</b>	67 mm

## Environment

<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2 CSA C22.2 No 235 UL 1077
<b>Product certifications</b>	UL CSA
<b>Protective treatment</b>	TC
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-20...60 °C
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Fire resistance</b>	960 °C conforming to IEC 60695-2-1
<b>Operating altitude</b>	3000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	53.0 g
<b>Package 1 Height</b>	1.5 cm
<b>Package 1 width</b>	7.4 cm
<b>Package 1 Length</b>	7.4 cm
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	6
<b>Package 2 Weight</b>	339.0 g
<b>Package 2 Height</b>	8.4 cm
<b>Package 2 width</b>	8.0 cm
<b>Package 2 Length</b>	9.6 cm
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	72
<b>Package 3 Weight</b>	4.386 kg
<b>Package 3 Height</b>	15.0 cm
<b>Package 3 width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm

## Offer Sustainability

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

## Contractual warranty

Warranty	18 months
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