

# Product datasheet

Specifications



## Thermal magnetic circuit breaker, TeSys GB2, 2P, 6 A, Icu 1.5 kA@415 V

Local distributor code: 386187362 GB2DB12

EAN Code : 3389110865493

### Main

Range	TeSys
Product name	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Device application	Control
Poles description	2P
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	3 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 400/415 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	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 75 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	83 A

### Complementary

Mounting mode	By clips
Mounting support	Rail Plate
Mounting position	Horizontal Vertical
Control type	Toggle
[In] rated current	6 A
[Ue] rated operational voltage	415 V AC 50/60 Hz conforming to IEC 60947-2 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 3
<b>9 mm pitches</b>	4
<b>Height</b>	74 mm
<b>Width</b>	30 mm
<b>Depth</b>	70 mm
<b>Net weight</b>	0.115 kg

## Environment

<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2
<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 Height</b>	8.1 cm
<b>Package 1 Width</b>	8.5 cm
<b>Package 1 Length</b>	9.6 cm
<b>Package 1 Weight</b>	111.0 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	3
<b>Package 2 Height</b>	8.1 cm
<b>Package 2 Width</b>	8.5 cm
<b>Package 2 Length</b>	9.6 cm
<b>Package 2 Weight</b>	335.0 g
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	36
<b>Package 3 Height</b>	15.0 cm
<b>Package 3 Width</b>	30.0 cm
<b>Package 3 Length</b>	40.0 cm
<b>Package 3 Weight</b>	4.413 kg

## Offer Sustainability

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
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)