

# Product datasheet

Specifications



## Thermal magnetic circuit breaker, TeSys GB2, 2P, 0.5 A, Icu 50 kA@415 V

Local distributor code:

386186554

GB2DB05

EAN Code: 3389110865400

## 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	10 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	25 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 25 % at 400/415 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	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
Electrical durability	8000 cycles
Connections - terminals	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>	3.100 cm
<b>Package 1 Width</b>	7.400 cm
<b>Package 1 Length</b>	7.400 cm
<b>Package 1 Weight</b>	102.000 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	3
<b>Package 2 Height</b>	8.400 cm
<b>Package 2 Width</b>	8.100 cm
<b>Package 2 Length</b>	9.700 cm
<b>Package 2 Weight</b>	326.000 g
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	36
<b>Package 3 Height</b>	15.000 cm
<b>Package 3 Width</b>	30.000 cm
<b>Package 3 Length</b>	40.000 cm
<b>Package 3 Weight</b>	4.214 kg

## Logistical informations

<b>Country of origin</b>	FR
--------------------------	----

# Contractual warranty

---

Warranty (in months)

18



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint	6 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	0.7 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant
REACH Regulation	<a href="#">REACH Declaration</a>
Halogen-free status	Halogen free plastic parts product

## Use Longer



### Lifetime extension

Repair	No
--------	----

## Use Again



### Repack and remanufacture

End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins