

# Product data sheet

Specifications



## TeSys GB2 thermal magnetic circuit protector, 2 P, 12 A, Id = 165 A

GB2DB20

**Product availability:** Non-Stock - Not normally stocked in distribution facility

### 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 IEC 60947-2 DC-12 IEC 60947-5-1 DC-13 IEC 60947-5-1
Network frequency	50/60 Hz IEC 60947-2
Breaking capacity	1 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 1 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2
[Ics] rated service short-circuit breaking capacity	75 % 230/240 V AC 50/60 Hz IEC 60947-2 75 % 400/415 V AC 50/60 Hz IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	165 A

### Complementary

Mounting Mode	By clips
Mounting Support	Rail Plate
Mounting position	Horizontal Vertical
Control Type	Toggle
Line Rated Current	12 A
[Ue] rated operational voltage	415 V AC 50/60 Hz IEC 60947-2 48 V DC
[Uiimp] rated impulse withstand voltage	4 kV IEC 60947-2
Power dissipation per pole	2 W
Mechanical durability	8000 cycles
Electrical durability	8000 cycles
Connections - terminals	connector 1 0.001...0.009 in <sup>2</sup> (0.75...6 mm <sup>2</sup> )solid without cable end connector 2 0.001...0.006 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )solid without cable end connector 1 0.001...0.006 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible with cable end connector 2 0.001...0.004 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> )flexible with cable end

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Tightening torque	10.6 lbf.in (1.2 N.m) connector
Mechanical robustness	Shocks 22 Gn for 20 ms IEC 60068-2-27 Vibrations 5 Gn, 5...110 Hz IEC 60068-2-6
Quantity per Set	Set of 3
9 mm pitches	4
Height	2.9 in (74 mm)
Width	1.2 in (30 mm)
Depth	2.8 in (70 mm)
Product Weight	0.254 lb(US) (0.115 kg)

## Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2
Protective treatment	TC
IP degree of protection	IP20 IEC 60529
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient Air Temperature for Storage	-40...176 °F (-40...80 °C)
Fire resistance	1760 °F (960 °C) IEC 60695-2-1
Operating altitude	9842.52 ft (3000 m)

## Ordering and shipping details

Category	US1000I22631
Discount Schedule	000I
GTIN	3389110865523
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.07 in (7.800 cm)
Package 1 Width	1.26 in (3.200 cm)
Package 1 Length	2.95 in (7.500 cm)
Package weight(Lbs)	3.986 oz (113.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	3.35 in (8.500 cm)
Package 2 Width	3.23 in (8.200 cm)
Package 2 Length	3.94 in (10.000 cm)
Package 2 Weight	12.310 oz (349.000 g)
Unit Type of Package 3	S02
Number of Units in Package 3	36

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Package 3 Height	5.91 in (15.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	9.797 lb(US) (4.444 kg)

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## Contractual warranty

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Warranty	18 months
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## 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

Carbon footprint (kg CO<sub>2</sub> eq, Total Life cycle) **6**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Compliant**

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](#)**

Halogen content performance **Halogen free plastic parts product**

PVC free **Yes**

## Use Again

### Repack and remanufacture

Circularity Profile **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.**