

# Product data sheet

Specifications



## TeSys GB2 thermal magnetic circuit protector, 2 P, 10 A, Id = 138 A

GB2DB16

**Product availability: Stock - 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	2 kA Icu 110 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 24 V DC IEC 60947-2
[Ics] rated service short-circuit breaking capacity	75 % 110 V AC 50/60 Hz IEC 60947-2 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	138 A

### Complementary

Mounting Mode	By clips
Mounting Support	Plate Rail
Mounting position	Horizontal Vertical
Control Type	Toggle
Line Rated Current	10 A
[Ue] rated operational voltage	415 V AC 50/60 Hz IEC 60947-2 48 V DC
[Uimp] rated impulse withstand voltage	4 kV IEC 60947-2
Power dissipation per pole	2 W
Mechanical durability	8000 cycles
Electrical durability	8000 cycles

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connections - terminals	connector 1 0.001...0.009 in² (0.75...6 mm²)solid without cable end connector 2 0.001...0.006 in² (0.75...4 mm²)solid without cable end connector 1 0.001...0.006 in² (0.75...4 mm²)flexible with cable end connector 2 0.001...0.004 in² (0.75...2.5 mm²)flexible with cable end
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)
Net 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	3389110865516
Returnability	Yes
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.35 in (8.500 cm)
Package 1 Width	3.15 in (8.000 cm)
Package 1 Length	3.82 in (9.700 cm)
Package 1 Weight	3.704 oz (105.000 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	3.15 in (8.000 cm)
Package 2 Length	3.82 in (9.700 cm)
Package 2 Weight	11.711 oz (332.000 g)

Unit Type of Package 3	S02
Number of Units in Package 3	36
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	9.378 lb(US) (4.254 kg)

## Contractual warranty

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 CO2 eq, Total Life cycle)	6
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

Use Better

Materials and Substances	
Recycled metal content at CR level	0
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>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.