Product data sheet

Specifications

TeSys GB2 thermal magnetic circuit protector, 1 P, 10 A, Id = 138 A

GB2CB16

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	1P
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	1.5 kA Icu 230/240 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
Trip unit technology	Thermal-magnetic
Magnetic tripping current	138 A

Complementary

Mounting Mode	By clips
Mounting Support	Rail Plate
Mounting position	Horizontal Vertical
Control Type	Toggle
Line Rated Current	10 A
[Ue] rated operational voltage	250 V AC 50/60 Hz IEC 60947-2 277 V AC 60 Hz CSA C22.2 No 235 277 V AC 60 Hz UL 1077 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
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

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 6
9 mm pitches	2
Height	2.9 in (74 mm)
Width	0.6 in (15 mm)
Depth	2.6 in (67 mm)

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 CSA C22.2 No 235 UL 1077
Product Certifications	UL CSA
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	3389110214703
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.51 in (1.300 cm)
Package 1 Width	2.91 in (7.400 cm)
Package 1 Length	2.91 in (7.400 cm)
Package weight(Lbs)	1.799 oz (51.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.31 in (8.400 cm)
Package 2 Width	3.23 in (8.200 cm)
Package 2 Length	3.82 in (9.700 cm)
Package 2 Weight	11.570 oz (328.000 g)
Unit Type of Package 3	S02

Number of Units in Package 3	72
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	9.334 lb(US) (4.234 kg)

Contractual warranty

Warranty	18 months

🌱 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)	**3**
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: Cancer - www.P65Warnings.ca.gov**
Halogen content performance	**Halogen free plastic parts product**

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.**

Technical Illustration

Assembly's dimensions

mm
[in]

72.7
[2.9]

74
[2.9]

15.2
[0.6]