TeSys GB2 thermal magnetic circuit protector, 1 P, 4 A, Id = 52 A

GB2CB09

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	6 kA Icu 110 V AC 50/60 Hz IEC 60947-2 3 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 24 V DC IEC 60947-2 1 kA Icu 48 V DC IEC 60947-2
[Ics] rated service short-circuit breaking capacity	50 % 110 V AC 50/60 Hz IEC 60947-2 50 % 230/240 V AC 50/60 Hz IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	52 A

Complementary

Mounting Mode	By clips
Mounting Support	Rail Plate
Mounting position	Horizontal Vertical
Control Type	Toggle
Line Rated Current	4 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

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

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 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	3389110214680
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.59 in (1.500 cm)
Package 1 Width	2.91 in (7.400 cm)
Package 1 Length	2.91 in (7.400 cm)
Package 1 Weight	1.869 oz (53.000 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	3.15 in (8.000 cm)

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Package 2 Length	3.78 in (9.600 cm)
Package 2 Weight	11.958 oz (339.000 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	9.669 lb(US) (4.386 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	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

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