

Product data sheet

Specifications



Circuit breaker, TeSys GB2, 1P+N, 16A, Icu 1.5kA at 240V, Thermal magnetic, DIN rail mounted

GB2CD21

Main

Range	TeSys
Product name	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Device application	Control
Poles description	1P + N
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
[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	220 A

Complementary

Mounting mode	By clips
Mounting support	Rail Plate
Mounting position	Vertical Horizontal
Control type	Toggle
[In] rated current	16 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 in ² (0.75...6 mm ²)solid without cable end connector 2 0.001...0.006 in ² (0.75...4 mm ²)solid without cable end connector 1 0.001...0.006 in ² (0.75...4 mm ²)flexible with cable end connector 2 0.001...0.004 in ² (0.75...2.5 mm ²)flexible with cable end

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

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)
Net weight	0.15 lb(US) (0.07 kg)

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	3000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.669 in (1.700 cm)
Package 1 Width	2.953 in (7.500 cm)
Package 1 Length	2.953 in (7.500 cm)
Package 1 Weight	2.152 oz (61.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	3.425 in (8.700 cm)
Package 2 Width	3.228 in (8.200 cm)
Package 2 Length	3.858 in (9.800 cm)
Package 2 Weight	13.686 oz (388.000 g)
Unit Type of Package 3	S02
Number of Units in Package 3	72
Package 3 Height	5.906 in (15.000 cm)
Package 3 Width	11.811 in (30.000 cm)
Package 3 Length	15.748 in (40.000 cm)
Package 3 Weight	10.889 lb(US) (4.939 kg)

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	3 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.4 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]	2 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
Halogen content performance	Halogen free plastic parts product

Use Longer



Lifetime extension

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

Use Again



Repack and remanufacture

Recyclability potential, in %	36
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