

Product data sheet

Specifications



Circuit breaker, TeSys GB2, 1P, 12A, Icu 1.5kA at 240V, Thermal magnetic, DIN rail mounted

GB2CB20

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 conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1
Network frequency	50/60 Hz conforming to IEC 60947-2
Breaking capacity	2 kA Icu at 110 V AC 50/60 Hz conforming to IEC 60947-2 1 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 1.5 kA Icu at 24 V DC conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to 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
[In] rated current	12 A
[Ue] rated operational voltage	250 V AC 50/60 Hz conforming to IEC 60947-2 277 V AC 60 Hz conforming to CSA C22.2 No 235 277 V AC 60 Hz conforming to UL 1077 48 V DC
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60947-2
Power dissipation per pole	2 W
Mechanical durability	8000 cycles
Electrical durability	8000 cycles

Connections - terminals	Connector 1 cable(s) 0.75...6 mm ² solid without cable end Connector 2 cable(s) 0.75...4 mm ² solid without cable end Connector 1 cable(s) 0.75...4 mm ² flexible with cable end Connector 2 cable(s) 0.75...2.5 mm ² flexible with cable end
Tightening torque	1.2 N.m on connector
Mechanical robustness	Shocks: 22 Gn for 20 ms conforming to IEC 60068-2-27 Vibrations: 5 Gn, 5...110 Hz conforming to IEC 60068-2-6
Quantity per set	Set of 6
9 mm pitches	2
Height	74 mm
Width	15 mm
Depth	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 conforming to IEC 60529
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to 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	1.500 cm
Package 1 Width	6.800 cm
Package 1 Length	7.300 cm
Package 1 Weight	52.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.000 cm
Package 2 Width	12.900 cm
Package 2 Length	10.900 cm
Package 2 Weight	325.000 g
Unit Type of Package 3	S02
Number of Units in Package 3	72
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm

Package 3 Weight 4.194 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

Total lifecycle Carbon footprint	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-free status	Halogen free plastic parts product

Use Again

Repack and remanufacture

End of life manual availability	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