

Product data sheet

Specifications



Circuit breaker, TeSys GB2, 2P,
16A, Icu 1.5kA at 415V, Thermal
magnetic, DIN rail mounted

GB2DB21

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 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	1 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 1 kA Icu at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	220 A

Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Control type	Toggle
[In] rated current	16 A
[Ue] rated operational voltage	415 V AC 50/60 Hz conforming to IEC 60947-2 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 3
9 mm pitches	4
Height	74 mm
Width	30 mm
Depth	70 mm
Product weight	0.115 kg

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2
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	9.600 cm
Package 1 Width	8.000 cm
Package 1 Length	8.500 cm
Package 1 Weight	106.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	9.600 cm
Package 2 Width	8.000 cm
Package 2 Length	8.500 cm
Package 2 Weight	334.000 g
Unit Type of Package 3	S02
Number of Units in Package 3	36
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	4.304 kg

Contractual warranty

Warranty	18 months
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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 6

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