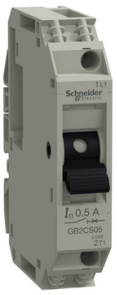
Product data sheet

Specifications



Circuit breaker, TeSys GB2, 1P, 0.5A, Icu 50kA at 240V, Thermal magnetic, low magnetic tripping level

GB2CS05

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	10 kA Icu at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	25 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	3.3 A

Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Vertical Horizontal
Control type	Toggle
[In] rated current	0.5 A
[Ue] rated operational voltage	250 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	1.9 W
Mechanical durability	8000 cycles
Electrical durability	8000 cycles
Connections - terminals	Connector 1 cable(s) 0.75…6 mm²solid without cable end Connector 2 cable(s) 0.75…4 mm²solid without cable end Connector 1 cable(s) 0.75…4 mm²flexible with cable end Connector 2 cable(s) 0.75…2.5 mm²flexible with cable end
Tightening torque	1.2 N.m on connector

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

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
Net weight	0.055 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	1.500 cm
Package 1 Width	7.300 cm
Package 1 Length	7.400 cm
Package 1 Weight	52.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.200 cm
Package 2 Width	8.200 cm
Package 2 Length	9.700 cm
Package 2 Weight	332.000 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	4.268 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]	**0.3 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]	**0.1 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**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and/or birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.**
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**

Use Again

Repack and remanufacture

Recyclability potential, in %	**36**
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**