

## GB2CB12

TeSys GB2 - thermal-magnetic circuit breaker - 1P -  
6 A - I<sub>d</sub> = 83 A



### 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	I <sub>cu</sub> = 1 kAat 48 V DC conforming to IEC 60947-2 I <sub>cu</sub> = 3 kAat 110 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 1.5 kAat 24 V DC conforming to IEC 60947-2 I <sub>cu</sub> = 1.5 kAat 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] 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	83 A

### Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Control type	Toggle
[I <sub>n</sub> ] rated current	6 A
System Voltage	48 V DC 250 V AC 50/60 Hz conforming to IEC 60947-2 277 V AC 50/60 Hz conforming to UL 1077 277 V AC 50/60 Hz conforming to CSA C22.2 No 14
[U <sub>imp</sub> ] 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...0.01 in <sup>2</sup> (0.75...6 mm <sup>2</sup> ) - cable stiffness : solid - without cable end Connector 2 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness : solid - without cable end Connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end Connector 2 cable(s) 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end
Tightening torque	10.62 lbf.in (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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

9 mm pitches	2
Height	2.91 in (74 mm)
Width	0.59 in (15 mm)
Depth	2.64 in (67 mm)

## Environment

standards	EN 60947-1 EN 60947-2 IEC 60947-1 IEC 60947-2
product certifications	CSA NEMKO UL
protective treatment	TC
IP degree of protection	IP20 conforming to 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) conforming to IEC 60695-2-1
operating altitude	9842.52 ft (3000 m)

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0627 - Schneider Electric declaration of conformity	Compliant - since 0627 - Schneider Electric declaration of conformity
Reference contains SVHC above the threshold - go to CaP for more details	Reference contains SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations
WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>	WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty period	18 months
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