Product data sheet

Specifications

Green Premium™

TeSys GB2 thermal magnetic circuit protector, 1 P, 6 A, Id = 83 A

GB2CB12

Product availability: Stock - Normally stocked in distribution facility

Price*: 43.60 USD

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 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	3 kA Icu 110 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 24 V DC IEC 60947-2 1 kA Icu 48 V DC IEC 60947-2
[Ics] Rated Service Short-Circuit Breaking Capacity	75 % 110 V AC 50/60 Hz IEC 60947-2 75 % 230/240 V AC 50/60 Hz IEC 60947-2
Trip Unit Technology	Thermal-magnetic
Magnetic Tripping Current	83 A

Complementary

Mounting Mode	By clips
Mounting Support	Rail Plate
Mounting Position	Vertical Horizontal
Control Type	Toggle
Line Rated Current	6 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

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Connections - Terminals	connector 1 0.00…0.01 in² (0.75…6 mm²)solid without cable end connector 2 0.00…0.01 in² (0.75…4 mm²)solid without cable end connector 1 0.00…0.01 in² (0.75…4 mm²)flexible with cable end connector 2 0.00…0.00 in² (0.75…2.5 mm²)flexible with cable end
Tightening Torque	10.62 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	2.91 in (74 mm)
Width	0.59 in (15 mm)
Depth	2.64 in (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 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	9842.52 ft (3000 m)

Ordering and shipping details

Category	US1000I22631
Discount Schedule	000I
Gtin	3389110214697
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.59 in (1.5 cm)
Package 1 Width	2.72 in (6.9 cm)
Package 1 Length	2.91 in (7.4 cm)
Package 1 Weight	1.90 oz (54.0 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	3.15 in (8.0 cm)
Package 2 Width	3.94 in (10.0 cm)

Package 2 Length	3.15 in (8.0 cm)
Package 2 Weight	11.68 oz (331.0 g)
Unit Type Of Package 3	S02
Number Of Units In Package 3	72
Package 3 Height	5.91 in (15.0 cm)
Package 3 Width	11.81 in (30.0 cm)
Package 3 Length	15.75 in (40.0 cm)
Package 3 Weight	9.62 lb(US) (4.363 kg)

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: Cancer - www.P65Warnings.ca.gov