

Product data sheet

Specifications



TeSys GB2 thermal magnetic circuit protector, 2 P, 12 A, Id = 165 A

GB2DB20

Product availability: Stock - Normally stocked in distribution facility

Price*: 139.50 USD

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 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	2 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 400/415 V AC 50/60 Hz IEC 60947-2 1.5 kA Icu 24 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 75 % 400/415 V AC 50/60 Hz 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
Line Rated Current	12 A
[Ue] Rated Operational Voltage	415 V AC 50/60 Hz IEC 60947-2 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.

Connections - Terminals	connector 1 0.00...0.01 in ² (0.75...6 mm ²)solid without cable end connector 2 0.00...0.01 in ² (0.75...4 mm ²)solid without cable end connector 1 0.00...0.01 in ² (0.75...4 mm ²)flexible with cable end connector 2 0.00...0.00 in ² (0.75...2.5 mm ²)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 3
9 Mm Pitches	4
Height	2.91 in (74 mm)
Width	1.18 in (30 mm)
Depth	2.76 in (70 mm)
Net Weight	0.25 lb(US) (0.115 kg)

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2
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	22631-TELE CIRCUIT BREAKER (GB2)
Discount Schedule	I
Gtin	3389110865523
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.15 in (8.0 cm)
Package 1 Width	3.35 in (8.5 cm)
Package 1 Length	3.78 in (9.6 cm)
Package 1 Weight	3.95 oz (112.0 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	3
Package 2 Height	3.15 in (8.0 cm)
Package 2 Width	3.35 in (8.5 cm)
Package 2 Length	3.78 in (9.6 cm)
Package 2 Weight	11.92 oz (338.0 g)

Unit Type Of Package 3	S02
Number Of Units In Package 3	36
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	9.69 lb(US) (4.397 kg)

Contractual warranty

Warranty	18 months
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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-CO₂ 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: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov