

GB2DB20

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



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
[U _e] rated operational voltage	415 V AC 50/60 Hz IEC 60947-2 48 V DC
[U _{imp}] rated impulse withstand voltage	4 kV IEC 60947-2
Power dissipation per pole	2 W
Mechanical durability	8000 cycles
Electrical durability	8000 cycles
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
Maximum Height	2.91 in (74 mm)
Maximum Width	1.18 in (30 mm)
Maximum 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	03389110865523
Nbr. of units in pkg.	3
Package weight(Lbs)	0.22 lb(US) (0.10 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.15 in (8 cm)
Package 1 width	3.35 in (8.5 cm)
Package 1 Length	3.78 in (9.6 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Weight	11.92 oz (338 g)
Package 2 Height	3.15 in (8 cm)
Package 2 width	3.35 in (8.5 cm)
Package 2 Length	3.78 in (9.6 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	36
Package 3 Weight	9.69 lb(US) (4.397 kg)
Package 3 Height	5.91 in (15 cm)
Package 3 width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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 Carcinogen harm. For more information go to www.p65warnings.ca.gov
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
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.

Contractual warranty

Warranty	18 months
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