



Main

Range	TeSys
Product name	TeSys GB2
Device short name	GB2
Product or Component Type	Circuit breaker
Device Application	Control
Poles description	1P + N
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	Plate Rail
Mounting position	Horizontal Vertical
Control Type	Toggle
Line Rated Current	6 A
[U _e] 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
[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 0.001...0.009 in ² (0.75...6 mm ²)solid without cable end Connector 2 0.001...0.006 in ² (0.75...4 mm ²)solid without cable end Connector 1 0.001...0.006 in ² (0.75...4 mm ²)flexible with cable end Connector 2 0.001...0.004 in ² (0.75...2.5 mm ²)flexible with cable end
Tightening torque	10.6 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	2.9 in (74 mm)
Width	0.6 in (15 mm)
Depth	2.6 in (67 mm)
Net Weight	0.15 lb(US) (0.07 kg)

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Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-2 CSA C22.2 No 235 UL 1077
Product Certifications	UL[RETURN]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	3389110214932
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.591 in (1.500 cm)
Package 1 Width	2.677 in (6.800 cm)
Package 1 Length	2.874 in (7.300 cm)
Package 1 Weight	2.116 oz (60.000 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	2.953 in (7.500 cm)
Package 2 Width	3.740 in (9.500 cm)
Package 2 Length	3.150 in (8.000 cm)
Package 2 Weight	13.474 oz (382.000 g)
Unit Type of Package 3	S02
Number of Units in Package 3	72
Package 3 Height	5.906 in (15.000 cm)
Package 3 Width	11.811 in (30.000 cm)
Package 3 Length	15.748 in (40.000 cm)
Package 3 Weight	10.772 lb(US) (4.886 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer - www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
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

Circularity Profile	No need of specific recycling operations
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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