

# GB2CD22

TeSys GB2 thermal magnetic circuit protector,  
1 P + N, 20 A, I<sub>d</sub> = 270 A



## 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	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 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
Trip unit technology	Thermal-magnetic
Magnetic tripping current	270 A

## Complementary

Mounting Mode	By clips
Mounting Support	Plate Rail
Mounting position	Vertical Horizontal
Control Type	Toggle
Line Rated Current	20 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
Connections - terminals	Connector 1 0.00...0.01 in <sup>2</sup> (0.75...6 mm <sup>2</sup> )solid without cable end Connector 2 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )solid without cable end Connector 1 0.00...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> )flexible with cable end Connector 2 0.00...0.00 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> )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)
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 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	22631-TELE CIRCUIT BREAKER (GB2)
Discount Schedule	I
GTIN	3389110864281
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	3.15 in (8.0 cm)
Package 1 Length	3.94 in (10.0 cm)
Package 1 Weight	2.29 oz (65.0 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	13.93 oz (395.0 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	11.51 lb(US) (5.223 kg)

## Offer Sustainability

California proposition 65	WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

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Warranty	18 months
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