

# GB2CD10

TeSys GB2 thermal magnetic circuit protector,  
1 P + N, 5 A, I<sub>d</sub> = 66 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	3 KA Icu 110 V AC 50/60 Hz IEC 60947-2 2 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	66 A

## Complementary

Mounting Mode	By clips
Mounting Support	Plate Rail
Mounting position	Horizontal Vertical
Control Type	Toggle
Line Rated Current	5 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	3389110214925
Nbr. of units in pkg.	1
Package weight(Lbs)	2.19 oz (62.0 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	0.59 in (1.5 cm)
Package 1 width	2.68 in (6.8 cm)
Package 1 Length	2.91 in (7.4 cm)
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Weight	13.83 oz (392.0 g)
Package 2 Height	3.15 in (8 cm)
Package 2 width	3.94 in (10 cm)
Package 2 Length	3.15 in (8 cm)
Unit Type of Package 3	S02
Number of Units in Package 3	72
Package 3 Weight	11.01 lb(US) (4.996 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: Cancer - www.P65Warnings.ca.gov
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
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</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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