

# GB2CB20

## TeSys GB2 - thermal-magnetic circuit breaker - 1P - 12 A - I<sub>d</sub> = 165 A

Product availability: Stock - Normally stocked in distribution facility



### Main

Commercial Status	Commercialised
Range of product	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Circuit breaker application	Control circuit
Poles description	1P
Network type	AC DC
Utilisation category	DC-13 conforming to IEC 60947-5-1 DC-12 conforming to IEC 60947-5-1 Category A conforming to IEC 60947-2
Network frequency	50/60 Hz conforming to IEC 60947-2
Breaking capacity	I <sub>cu</sub> = 1.5 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 1.5 kA at 24 V DC conforming to IEC 60947-2 I <sub>cu</sub> = 2 kA at 110 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service short-circuit breaking capacity	75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	165 A

### Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Control type	Toggle
[I <sub>n</sub> ] rated current	12 A
[U <sub>e</sub> ] rated operational voltage	277 V AC 50/60 Hz conforming to CSA C22.2 No 14 48 V DC 277 V AC 50/60 Hz conforming to UL 1077 250 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV conforming to IEC 60947-2
Power dissipation per pole	2 W
Mechanical durability	8000 cycles
Electrical durability	8000 cycles
Connections - terminals	Connector 2 cable(s) 0...0 in <sup>2</sup> (0.75...2.5 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end Connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness : flexible - with cable end Connector 2 cable(s) 0...0.01 in <sup>2</sup> (0.75...4 mm <sup>2</sup> ) - cable stiffness : solid - without cable end Connector 1 cable(s) 0...0.01 in <sup>2</sup> (0.75...6 mm <sup>2</sup> ) - cable stiffness : solid - without cable end
Tightening torque	10.62 lbf.in (1.2 N.m) - on connector
Mechanical robustness	Vibrations 5 Gn, 5...110 Hz conforming to IEC 60068-2-6 Shocks 22 Gn for 20 ms conforming to IEC 60068-2-27
Quantity per set	Set of 6

Height	2.91 in (74 mm)
Width	0.59 in (15 mm)
Depth	2.64 in (67 mm)
Product weight	0.13 lb(US) (0.06 kg)

## Environment

Standards	EN 60947-1 EN 60947-2 IEC 60947-1 IEC 60947-2
Product certifications	CSA NEMKO UL
Protective treatment	TC
IP degree of protection	IP20 conforming to 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) conforming to 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	00785901214656
Nbr. of units in pkg.	6
Package weight(Lbs)	0.11
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	FR

## Contractual warranty

Period	18 months
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# Mouser Electronics

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