

# GB2CD08

TeSys GB2 - thermal-magnetic circuit breaker -  
1P + N - 3 A - I<sub>d</sub> = 40 A



## Main

Range of product	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Circuit breaker application	Control circuit
Poles description	1P + N
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> = 3 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> = 10 kA at 110 V AC 50/60 Hz conforming to IEC 60947-2 I <sub>cu</sub> = 1 kA at 48 V DC conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service short-circuit breaking capacity	50 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 50 % at 110 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	40 A

## Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Horizontal Vertical
Control type	Toggle
[I <sub>n</sub> ] rated current	3 A
[U <sub>e</sub> ] rated operational voltage	48 V DC 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) 0.75...2.5 mm <sup>2</sup> - cable stiffness : flexible - with cable end Connector 1 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness : flexible - with cable end Connector 2 cable(s) 0.75...4 mm <sup>2</sup> - cable stiffness : solid - without cable end Connector 1 cable(s) 0.75...6 mm <sup>2</sup> - cable stiffness : solid - without cable end
Tightening torque	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	74 mm
Width	15 mm
Depth	67 mm
Product weight	0.07 kg

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## Environment

Standards	EN 60947-1 EN 60947-2 IEC 60947-1 IEC 60947-2
Product certifications	NEMKO UL
Protective treatment	TC
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-40...80 °C
Fire resistance	960 °C conforming to IEC 60695-2-1
Operating altitude	3000 m

## Contractual warranty

Period	18 months
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