

GB2CD08

TeSys GB2 - thermal-magnetic circuit breaker - 1P + N - 3 A - Id = 40 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 conforming to IEC 60947-2 DC-12 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1
Network frequency	50/60 Hz conforming to IEC 60947-2
Breaking capacity	Icu = 1 kAat 48 V DC conforming to IEC 60947-2 Icu = 10 kAat 110 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 1.5 kAat 24 V DC conforming to IEC 60947-2 Icu = 3 kAat 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	50 %at 110 V AC 50/60 Hz conforming to IEC 60947-2 50 %at 230/240 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
[In] rated current	3 A
System Voltage	48 V DC 250 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] 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 1 cable(s) 0...0.01 in ² (0.75...6 mm ²) - cable stiffness : solid - without cable end Connector 2 cable(s) 0...0.01 in ² (0.75...4 mm ²) - cable stiffness : solid - without cable end Connector 1 cable(s) 0...0.01 in ² (0.75...4 mm ²) - cable stiffness : flexible - with cable end Connector 2 cable(s) 0...0 in ² (0.75...2.5 mm ²) - cable stiffness : flexible - with cable end
Tightening torque	10.62 lbf.in (1.2 N.m) - on connector
Mechanical robustness	Shocks 22 Gn for 20 ms conforming to IEC 60068-2-27 Vibrations 5 Gn, 5...110 Hz conforming to 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)
Product weight	0.15 lb(US) (0.07 kg)

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	-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)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0627 - Schneider Electric declaration of conformity	Compliant - since 0627 - Schneider Electric declaration of conformity
Reference contains SVHC above the threshold - go to CaP for more details	Reference contains SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations
WARNING: Cancer - www.P65Warnings.ca.gov	WARNING: Cancer - www.P65Warnings.ca.gov

Contractual warranty

Warranty period	18 months
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