



Main

Range	TeSys
Product name	TeSys GB2
Device short name	GB2
Product or component type	Circuit breaker
Device application	Control
Poles description	1P
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	$I_{cu} = 1$ kA at 48 V DC conforming to IEC 60947-2 $I_{cu} = 3$ kA at 110 V AC 50/60 Hz conforming to IEC 60947-2 $I_{cu} = 1.5$ kA at 24 V DC conforming to IEC 60947-2 $I_{cu} = 2$ kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	75 % at 110 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	66 A

Complementary

Mounting mode	By clips
Mounting support	Rail Plate
Mounting position	Horizontal Vertical
Control type	Toggle
[I _n] rated current	5 A
[U _e] rated operational voltage	277 V AC 50/60 Hz conforming to CSA C22.2 No 14 48 V DC

250 V AC 50/60 Hz conforming to IEC 60947-2
277 V AC 50/60 Hz conforming to UL 1077

[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) 0.75...6 mm ² - cable stiffness : solid - without cable end Connector 2 cable(s) 0.75...4 mm ² - cable stiffness : solid - without cable end Connector 1 cable(s) 0.75...4 mm ² - cable stiffness : flexible - with cable end Connector 2 cable(s) 0.75...2.5 mm ² - cable stiffness : flexible - with cable end
Tightening torque	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	74 mm
Width	15 mm
Depth	67 mm

Environment

Standards	IEC 60947-2 EN 60947-2 EN 60947-1 IEC 60947-1
Product certifications	CSA 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

Warranty period	18 months
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