



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 = 50 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 1 kA at 48 V DC conforming to IEC 60947-2 Icu = 50 kA at 110 V AC 50/60 Hz conforming to IEC 60947-2 Icu = 1.5 kA at 24 V DC 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 25 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit technology	Thermal-magnetic
Magnetic tripping current	14 A

Complementary

Mounting mode	By clips
Mounting support	Plate Rail
Mounting position	Vertical Horizontal
Control type	Toggle
[In] rated current	1 A
[Ue] rated operational 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) 0.75...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
Product weight	0.07 kg

Environment

Standards	EN 60947-1 IEC 60947-2 IEC 60947-1 EN 60947-2
Product certifications	UL NEMKO
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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