



Technical Data

Range of product	Cx9 Series
Product or component type	Selector switch
Mounting diameter	22mm
Sale per indivisible quantity	10
Net weight	0.026kg
Shape of signaling unit head	Round
Type of operator	Stay Put
Reset	Turn to release
Operator profile	Black standard handle
Contacts type and composition	1 & 2 NO
Positive opening	Without

Dimensions

Height	29mm
Width	29mm
Depth	68.5mm
Terminals description ISO n°1	(.3-.4)NO
Net weight	0.035kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1...6mm >= 30 x 40 mm (support panel) plastic - thickness: 2...6mm
Fixing mode	Fixing nut beneath head: 2...2.4N.m
Contact operation	Slow Action
Contacts usage	Standard
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Tightening torque	0.8...1.2N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver

Short-circuit protection	4A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	250V (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	4kV EN/IEC 60947-1
[Ie] rated operational current	0.1A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.22A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.3A at 240 V, AC-15, D300 conforming to EN/IEC 60947-5-1 0.6A at 120 V, AC-15, D300 conforming to EN/IEC 60947-5-1
Electrical durability	1000000cycles, DC-13, 0.3A at 24 V, operating rate <216000cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000cycles, AC-15, 0.03A at 230 V, operating rate <216000cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000cycles, AC-15, 0.09A at 240 V, operating rate <108000cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\exp(-6)$ at 17 V and 5mA conforming to IEC 60947-5-4
Environment	
Protective treatment	TH
Ambient air temperature for storage	-40...70°C
Ambient air temperature for operation	-25...70°C
Electrical shock protection class	Class II conforming to IEC 60536
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP40 (front face) conforming to IEC 60529
NEMA degree of protection	NEMA 12 conforming to UL 50 NEMA 3 conforming to UL 50
Standards	CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1 JIS C8201-5-1 EN/IEC 60947-1 JIS C8201-1
Vibration resistance	5 gn ($f=2\ldots500\text{Hz}$) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18ms) for half sine wave acceleration conforming to IEC 60068-2-27

Product Selection

Model
Plastic
Metallic
Single contact block N.O
Single contact block N.C

2-Position	3-Position
CX9-S2-PP10	CX9-S3-PP20
CX9-S2-PM10	CX9-S3-PM20
CX9-AX101	
CX9-AX-102	