



Technical Data

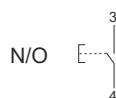
Range of product	Cx9 Series
Product or component type	Push Button
Mounting diameter	22mm
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Black flush, unmarked
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1

Dimensions

CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	$\geq 30 \times 40 \text{ mm}$ (support panel) metal - thickness: 1...6mm $\geq 30 \times 40 \text{ mm}$ (support panel) plastic - thickness: 2...6mm
Fixing mode	Fixing nut beneath head: 2...2.4N.m
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	1000000cycles
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-14, D300 conforming to EN/IEC 60947-5-1 0.6A at 120 V, AC-14, 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	$\Lambda \leq 10\exp(-6)$ at 17 V, 5mA conforming to EN/IEC 60947-5-4
Environment	
Protective treatment	TH
Ambient air temperature for storage	-40...70°C
Ambient air temperature for operation	-25...70°C
Overvoltage category	Class II conforming to IEC 60536
NEMA degree of protection	NEMA 4 conforming to UL 50 E NEMA 12 conforming to UL 50 E
Standards	EN/IEC 60947-1 CSA C22.2 No 14 UL 508 JIS C8201-5-1 EN/IEC 60947-5-1 JIS C8201-1
Product certifications	CCC GOST
Vibration resistance	5 gn ($f = 2 \dots 500\text{Hz}$) 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

Circuit



Contour

