



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
Type of operator	spring return
Operator profile	Red flush, unmarked
Contacts type and composition	1 NC
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, $1 \times 0.34...2 \times 2.5 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1

Dimensions

Overall width	29mm
Overall height	29mm
Overall depth	55mm
Terminals description ISO n°1	(1-2)NC -
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

Push Button - CX9 Series

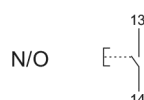
Metal Black, Ø22, Spring Return,
Unmarked, 1 NO

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

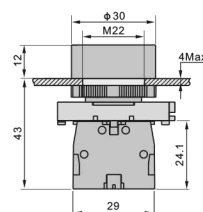
Environment

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...500Hz) 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



Wiring Diagram





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, <= 2 x 1.5 mm ² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 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	>= 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-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

Push Button - CX9 Series

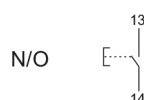
Metal White, Ø22, Spring Return,
Unmarked, 1 NO

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

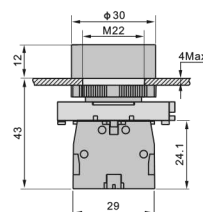
Environment

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...500Hz) 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



Wiring Diagram



Push Button - CX9 Series

Metal White, Ø22, Spring Return,
Unmarked, 1 NO



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	White flush, unmarked
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm ² without cable end conforming to EN/IEC 60947-1

Dimensions

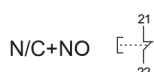
CAD overall width	29mm
CAD overall height	29mm
CAD overall depth	51.5mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net weight	0.021kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1...6mm >= 30 x 40 mm (support panel) plastic - thickness: 2...6mm
Fixing mode	Fixing nut beneath head: 2...2.4N.m
Contact operation	Slow-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

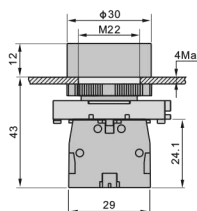
Environment

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...500Hz) 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



Wiring Diagram



Push Button - CX9 Series

Metal Yellow, Ø22, Spring Return,
Unmarked, 1 NO



Technical Data

Range of product
Product or component type
Mounting diameter
Sale per indivisible quantity
IP degree of protection
Type of operator
Operator profile
Contacts type and composition
Connections - terminals

Dimensions

CAD overall width
CAD overall height
CAD overall depth
Terminals description ISO n°1
Net weight
Device mounting
Fixing center
Fixing mode
Contact operation
Positive opening
Mechanical durability
Tightening torque
Shape of screw head

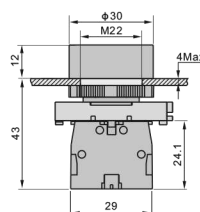
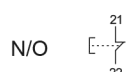
Cx9 Series
Push Button
22mm
10
IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
spring return
Yellow flush, unmarked
1 NO
Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
29mm
29mm
51.5mm
(21-22)NC (13-14)NO
0.021kg
Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
>= 30 x 40 mm (support panel) metal - thickness: 1...6mm >= 30 x 40 mm (support panel) plastic - thickness: 2...6mm
Fixing nut beneath head: 2...2.4N.m
Slow-break
With NC contact conforming to EN/IEC 60947-5-1 appendix K
1000000cycles
0.8...1.2N.m conforming to EN 60947-1
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...500Hz) 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



Wiring Diagram





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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	Green 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	(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

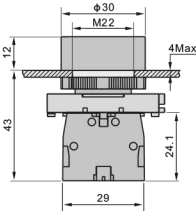
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Electrical durability	1000000cycles, DC-13, 0.3A at 24 V, operating rate <216000cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000cycles, AC-15, 0.03A at 230 V, operating rate <216000cyc/mn, load factor: 0.5 conforming to EN/IEC 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...500Hz) 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

N/C



Wiring Diagram

