



Technical Data

Range of product	Cx9 Series
Product or component type	Pilot Light
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Cap/Operator or lens colour	RED
Light source	LED
Bulb base	Integral LED
Rated supply voltage	230...240 V AC 50/60 Hz

Dimensions

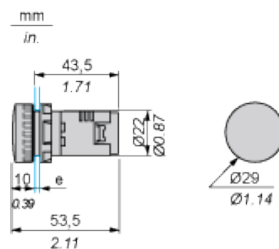
Height	29mm
Width	29mm
Depth	54mm
Terminals description	(X1-X2)
Net weight	0.02kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1...6mm >= 30 x 40 mm (support panel) plastic - thickness: 2...6mm
Fixing mode	Fixing nut beneath head: 2...2.4N.m
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 0.22...2 x 2.5 mm ² 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
[Ui] rated insulation voltage	250V (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	EN/IEC 60947-1 6kV
Signalling type	Steady
Supply voltage limits	195...264V AC
Current consumption	16...20 mA
Service life	70000h at rated voltage and 25 °C

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
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP54 (front face) conforming to IEC 60529
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
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
Electromagnetic compatibility	Disturbing field emission class B conforming to EN 55011

Pilot Light with Screw Terminal

Dimensions

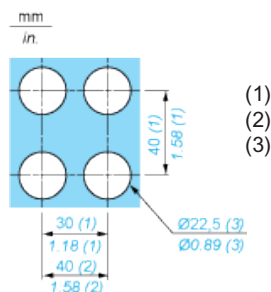


Support panel thickness:

- 1 to 6mm/0.4 to 0.24in. (metal),
- 2 to 6mm/0.8 to 0.24in. (plastic).

Mounting

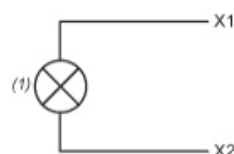
Diameter of Finished fixing holes



Minimum value.

- 40mm/1.58in. for Emergency switching off pushbutton only.
- Standard value: Ø22.3 (0; + 0.4)mm/Ø0.88 (0; + 0.02)in.

Wiring Diagram



(1) LED



Technical Data

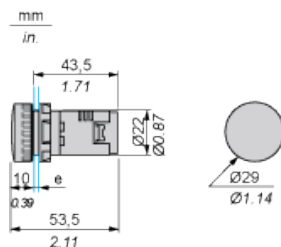
Range of product	Cx9 Series
Product or component type	Pilot Light
Mounting diameter	22mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Cap/Operator or lens colour	Red
Light source	LED
Bulb base	Integral LED
Rated supply voltage	24V AC/DC

Dimensions

Height	29mm
Width	29mm
Depth	54mm
Terminals description	(X1-X2)
Net weight	0.02kg
Device mounting	Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1
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
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 0.22...2 x 2.5 mm ² 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 JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
[Ui] rated insulation voltage	250V 3)EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	4kV EN/IEC 60947-1
[Ie] rated operational current	0.1A 250 V, DC-13, R300 EN/IEC 60947-5-1 0.22A 125 V, DC-13, R300 EN/IEC 60947-5-1 0.3A 240 V, AC-14, D300 EN/IEC 60947-5-1 0.6A 120 V, AC-14, D300 EN/IEC 60947-5-1
Electrical durability	1000000cycles, DC-13, 0.3A 24 V 216000cyc/mn 0.5 EN/IEC 60947-5-1 appendix C 1000000cycles, AC-15, 0.03A 230 V 216000cyc/mn 0.5 EN/IEC 60947-5-1 appendix C 1000000cycles, AC-15, 0.09A 240 V 108000cyc/mn 0.5 EN/IEC 60947-5-1 appendix C

Electrical reliability	$\Lambda \leq 10\exp(-6) 17 \text{ V } 5\text{mA EN/IEC 60947-5-4}$
Signalling type	Steady
Supply voltage limits	19.2...30V DC 21.6...26.4V AC
Current consumption	18...27 mA
Service life	70000h at rated voltage and 25 °C
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
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP54 (front face) conforming to IEC 60529
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
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
Electromagnetic compatibility	Disturbing field emission class B conforming to EN 55011

Dimensions

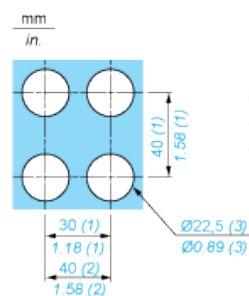


Support panel thickness:

- 1 to 6mm/0.4 to 0.24in. (metal),
- 2 to 6mm/0.8 to 0.24in. (plastic).

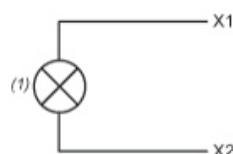
Mounting

Diameter of Finished fixing holes



- (1) Minimum value.
- (2) 40mm/1.58in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø22.3 (0; + 0.4)mm/Ø0.88 (0; + 0.02)in.

Wiring Diagram





Technical Data

Range of product
Product or component type
Mounting diameter
Sale per indivisible quantity
Shape of signaling unit head
Cap/Operator or lens colour
Light source
Bulb base
Rated supply voltage

Cx9 Series

Pilot Light

22mm

10

Round

RED

LED

Integral LED

110V AC/DC

Dimensions

Height
Width
Depth
Terminals description
Net weight
Device mounting

29mm

29mm

54mm

(X1-X2)

0.02kg

Fixing hole - diameter: 22.5mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1

>= 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

Screw clamp terminals, <= 2 x 1.5 mm²
with cable end conforming to EN/IEC 60947-1

Screw clamp terminals, 1 x 0.22...2 x 2.5 mm²
without cable end conforming to EN/IEC 60947-1

0.8...1.2N.m conforming to EN 60947-1

Cross JIS No 1
Cross Philips no 1
Cross pozidriv No 1
Slotted flat Ø 4 mm
Slotted flat Ø 5.5 mm

250V 3)EN/IEC 60947-1

4kV EN/IEC 60947-1

0.1A 250 V, DC-13, R300 EN/IEC 60947-5-1
0.22A 125 V, DC-13, R300 EN/IEC 60947-5-1
0.3A 240 V, AC-14, D300 EN/IEC 60947-5-1
0.6A 120 V, AC-14, D300 EN/IEC 60947-5-1

Tightening torque

Shape of screw head

[Ui] rated insulation voltage

[Uimp] rated impulse withstand voltage

[Ie] rated operational current

Electrical durability

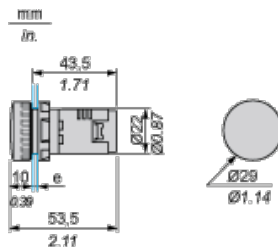
1000000cycles, DC-13, 0.3A 24 V 216000cyc/mn 0.5
EN/IEC 60947-5-1 appendix C
1000000cycles, AC-15, 0.03A 230 V 216000cyc/mn 0.5
EN/IEC 60947-5-1 appendix C
1000000cycles, AC-15, 0.09A 240 V 108000cyc/mn 0.5
EN/IEC 60947-5-1 appendix C

Electrical reliability	$\Lambda \leq 10\exp(-6)$ 17 V 5mA EN/IEC 60947-5-4
Signalling type	Steady
Supply voltage limits	90-120 V AC/DC 18...27 mA
Current consumption	70000h at rated voltage and 25 °C
Service life	

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
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP54(front face) conforming to IEC 60529
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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
Electromagnetic compatibility	Disturbing field emission class B conforming to EN 55011

Dimensions



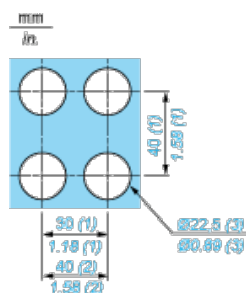
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Diameter of Finished fixing holes



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Wiring Diagram

