VCC ™

CNX 480/482 Series
.399" (10.1mm) Ruggedized LED
Panel Mount Indicator

CNX480/482 Series offer a robust anodized aluminum body with a low profile for anti-vandalism, ESD protection and NEMA4*
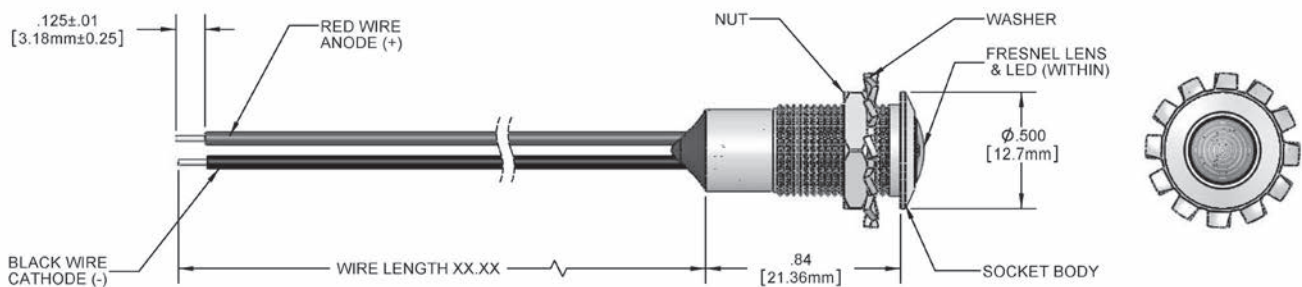
*CNX482 offer with moisture seal

Applications

- instrument panels
- disinfection and sterilization environments
- transportation dashboards
- safety applications
- outdoor signage

- aircraft and military
- industrial machinery
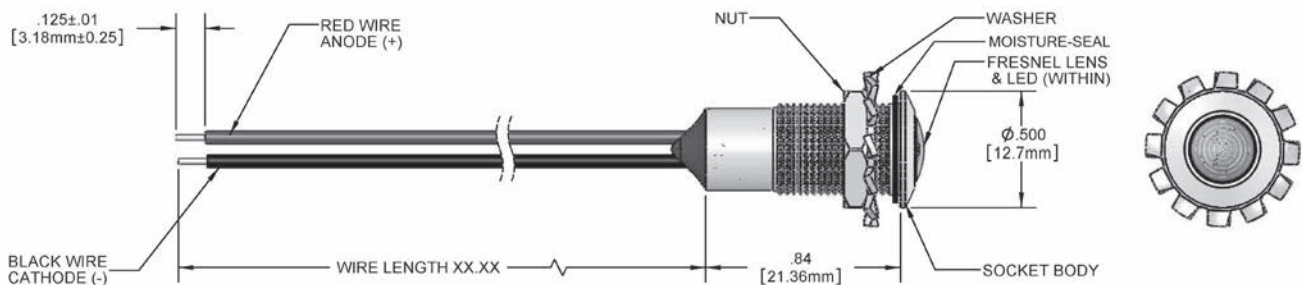- electrical control panels
- vending and gaming machines

Key features

- designed for harsh and outdoor environments
- wide angle viewable
- low profile for anti-vandalism
- direct sunlight visibility

- resistant to shock and vibration
- ESD protection
- custom LEDs, lens and body colors available
- RoHS compliant

Dimensions

CNX480 without moisture-seal
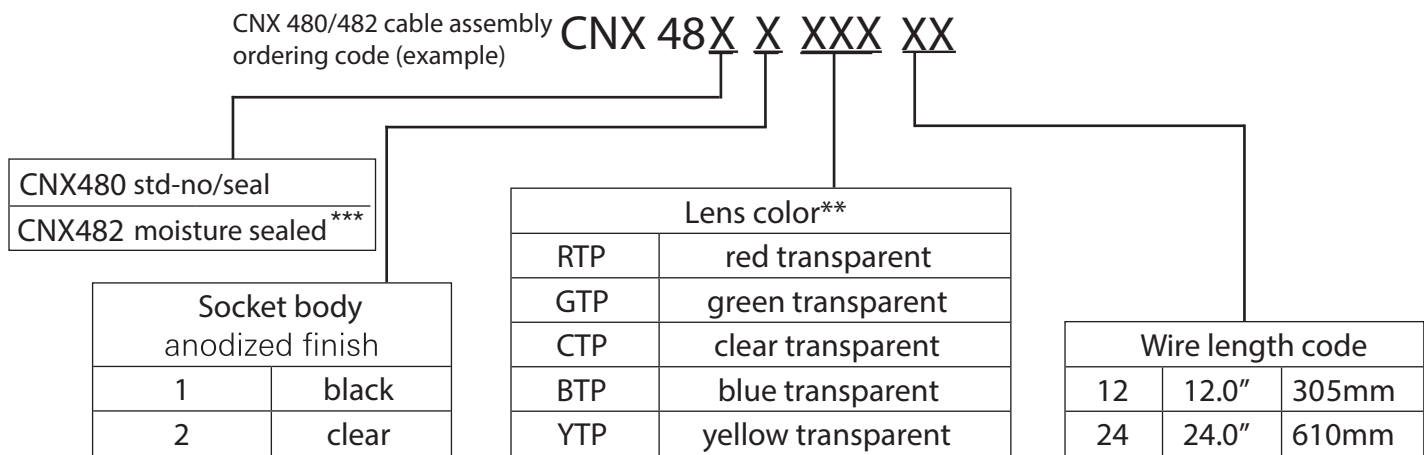

CNX482 with moisture seal

Product specifications

LED output		
LED color**	typ intensity, mcd	forward voltage, V (typ)
red	245-345	1.8
green	345-485	1.9
white	3500-4900	2.8
blue	950-1300	3.0
yellow	280-380	1.9

Installation specification	
mounting hole	.399±.004 (10.1mm±.1)
panel thickness	.059(1.5mm) min to .320 (8.1mm) max

Operating parameters	
operating temperature	-40°F (-40°C) to 176°F (80°C)
LED output current	20mA

Materials	
socket body	aluminum alloy
lens	polycarbonate, UL rating 94-V2
washer	steel, zinc plated, UL rating 94-V0
retaining nut	aluminum alloy
wire	24 AWG 1007/1569 red = anode(+) black = cathode (-)
moisture seal	EPDM

Ordering data

CNX 480/482 cable assembly ordering code (example) CNX 48X X XXX XX

CNX480 std-no/seal
CNX482 moisture sealed***

Socket body anodized finish	
1	black
2	clear

Lens color**	
RTP	red transparent
GTP	green transparent
CTP	clear transparent
BTP	blue transparent
YTP	yellow transparent

Wire length code		
12	12.0"	305mm
24	24.0"	610mm

**LED color same as the lens color.
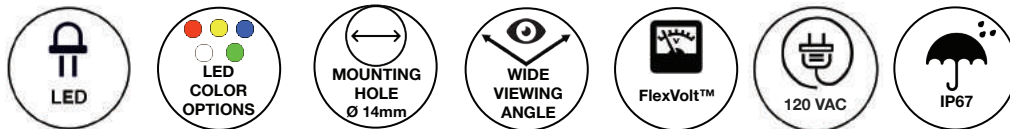Example: Red LED comes with a red lens.

***NEMA4 rated

CNX714 Series
0.551" (14mm) Ruggedized
LED Panel Mount Indicator

Ruggedized CNX714 Series with built-in LED offers fast, easy installation in harsh environments.

| LED | LED COLOR OPTIONS | MOUNTING HOLE Ø 14mm | WIDE VIEWING ANGLE | FlexVolt™ | 120 VAC | IP67 |

Applications

- Industrial Machinery
- Transportation Dashboards
- Instrument Panels
- Control Cabinets
- Safety Applications
- Disinfection and Sterilization
- Switching Stations
- Slot, Gaming and Vending Machines
- Outdoor Signs
- Military Aircraft

Key Features

- For panel hole diameter: 0.551" (14mm)
- Designed for extreme harsh and outdoor environments.
- Variety of connection options for fast, easy installation.
- Built-in LED can be used with FlexVolt™ (5 to 28 VDC) or 120VAC circuits
- Fast pitch threads ease assembly, requiring only one turn.
- Nut assembly by finger-tightening or with 1 inch hex key.

- Outdoor visibility in direct sunlight.
- Available in six solid colors (red, green, white, blue, soft yellow and yellow).
- Wide Viewing Angle
- Resistant to shock and vibration.
- Moisture sealed, IP67, protected from total dust ingress and withstanding water immersion between 15 cm and 1 meter for 30 minutes.
- Lead wire options with custom wire length available.
- Other colors (single or bicolor) are available upon request.
- RoHS and REACH Compliant.

Ordering Data

The CNX714 Series is available in a range of standard features and options.
To specify your Panel Mount Indicator, select one option from each column.

CNX714C	LED Color	Voltage	Termination Style
			W

CNX714C:
Colored Body

Example:
CNX714C600120W
Blue
120VAC
Wire Leads

200	Red
400*	Soft Yellow
401	Yellow
500	Green
600	Blue
900	White

FV	5-28VDC
120	120VAC

W	Wire Leads

* Not Available for the 120VAC Version

Product Dimensions

6.00 ± .25
[152.40 ± 6.35]

.65
[16.51]

1.00
[25.40]

Ø.67
[17.00]
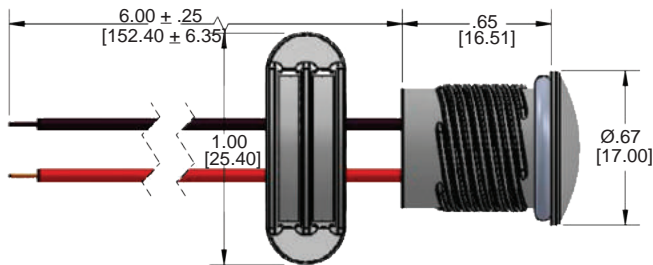
Recommended Mounting Hole

0.551
Ø[14.00]
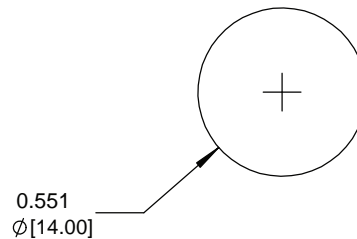
All Dimensions in inches [mm]
Tolerances are: ±0.01 inches [± 0.25 mm] unless otherwise specified

Product Specifications

Flex Voltage Version:

LED output		
LED color	Luminous intensity typ. (mcd)	I (mA)
red	1300-2700	20
soft yellow	80-400	20
yellow	450-1120	20
green	1000-1400	20
blue	280-710	20
white	1300-1800	20

120VAC Version:

LED output		
LED color	Luminous intensity typ. (mcd)	I (mA)
red	550	8
yellow	245	8
green	924	8
blue	67	8
white	644	8

Installation Specification	
mounting hole	0.551" (14.0mm)
panel thickness	Up to .250" (6.3mm)
spacing	minimum 1.5" center to center
retainer width	1" (25.4 mm)

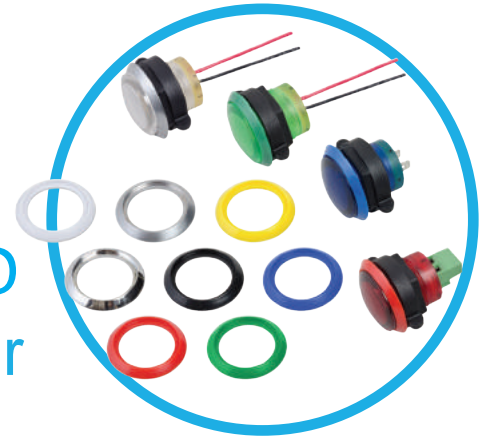| Temperatures	
operating temperature	-40°F (-40°C) to 176°F (80°C)
storage temperature	-40°F (-40°C) to 212°F (100°C)

Materials	
body	polycarbonate, UL94-V2
retaining nut	PBT/Glass Filled, UL94-V0
wire	24 AWG - Black/Red** 20 AWG - Black***
lens	polycarbonate, UL94-V2
moisture seal	EPDM

** Flex Voltage Version
*** 120 VAC Version

Compliance and Approvals

CNX 722FV Series
0.866" (22mm) Ruggedized LED
FlexVolt™ Panel Mount Indicator

CNX 722FV Series with built-in LED FlexVolt™ technology offers fast, easy installation in harsh environments
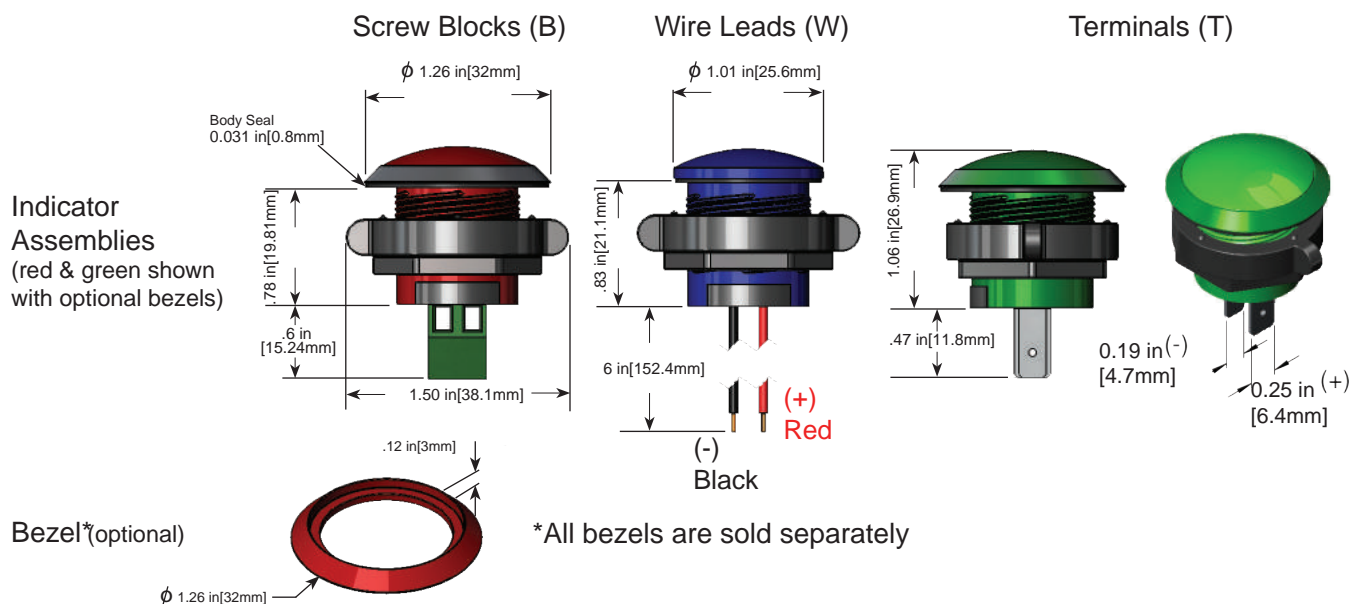
Applications

- control cabinets
- instrument panels
- disinfection and sterilization environments
- transportation dashboards
- switch stations

- safety applications
- outdoor signage
- aircraft and military
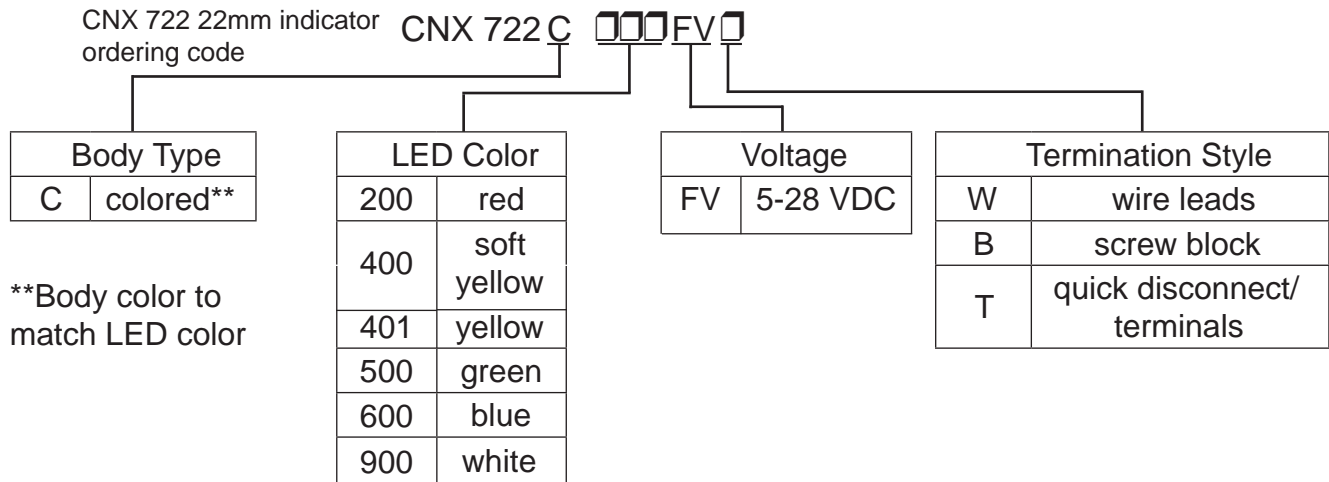- industrial machinery
- vending and gaming machines

Key Features

- designed for extreme harsh and outdoor environments
- variety of connection options for fast, easy installation
- built-in LED can be used with 5 to 28 volt DC circuits
- fast pitch threads ease assembly, requiring only 1 turn
- special nut assembles by finger, or with 1" hex tool
- direct sunlight visibility

- wide viewing angle
- resistant to shock and vibration
- custom LEDs and lens colors available
- optional bezel available in many colors
- moisture sealed, IP67 rated

Product Dimensions

Screw Blocks (B)   Wire Leads (W)   Terminals (T)

Indicator Assemblies (red & green shown with optional bezels)

ϕ 1.26 in[32mm]

Body Seal 0.031 in[0.8mm]

.78 in[19.81mm]

.6 in [15.24mm]

1.50 in[38.1mm]

ϕ 1.01 in[25.6mm]

.83 in[21.1mm]

6 in[152.4mm]

(+) Red

(-) Black

1.06 in[26.9mm]

.47 in[11.8mm]

0.19 in(-) [4.7mm]

0.25 in (+) [6.4mm]

.12 in[3mm]

Bezel* (optional)

ϕ 1.26 in[32mm]

*All bezels are sold separately

Ordering Data

CNX 722 22mm indicator ordering code

CNX 722 C ☐☐☐ FV ☐

Body Type	
C	colored**

**Body color to match LED color

LED Color	
200	red
400	soft yellow
401	yellow
500	green
600	blue
900	white

Voltage	
FV	5-28 VDC

Termination Style	
W	wire leads
B	screw block
T	quick disconnect/ terminals

Product Specifications

LED output

LED color	typ intensity (mcd)	I (mA)
red	1300-2700	20
soft yellow	80-400	20
yellow	450-1120	20
green	1000-1400	20
blue	280-710	20
white	1300-1800	20

Materials

body/lens	polycarbonate, UL 94-V2
retaining nut	Valox, black UL 94-V0
wire	22 AWG 1007/1569
moisture seal	EPDM

Installation Specification

mounting hole	.855-.910" (21.7-23.1mm)
panel thickness	Up to .300" (7.6mm)
spacing	minimum 1.5" center to center

Operating parameters

operating temperature	-40°F (-40°C) to 176°F (80°C)

Compliance and Approvals

RoHS COMPLIANT REACH COMPLIANCE IP 67

Accessory Options

Optional sealed bezel: BZL722-☐

Sealed Bezel IP67
• Material - either plastic or metal
• For indoor and outdoor applications, protects against falling dirt. Also protects against water or oil and the effects of ice formation.

moisture seal	EPDM
bezel-plastic	ABS, UL 94-HB
bezel-metal	aluminum alloy

☐	Color	Material
0	black	plastic
2	red	plastic
4	yellow	plastic
5	green	plastic
6	blue	plastic
9	white	plastic
A	actual aluminum	metal
B	brushed aluminum	plastic
C	chrome	plastic