CNX B Series
Build Your Own Indicator
for Use With T-1 (3mm) LEDs

CNX B Series features modular panel mount indicator assemblies and mounting hardware and require no tools for assembly

Applications

- Industrial
- Transportation
- Emergency Applications

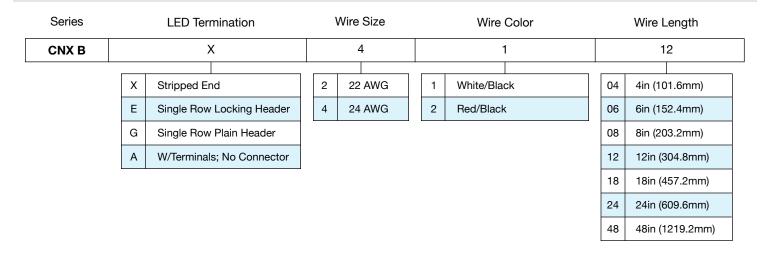- Maritime, Oil and Gas Industry
- Automation and Control
- People Movers

- Instrument Panels
- Gaming and Vending Machines
- Outdoor Applications

Key Features

- For panel hole diameter: 0.171″ (4.37mm)
- Choice of 1 type of lens and a round panel clip
- Terminations available: stripped end, locking connector, plain connector and with terminals
- Eliminates the need for soldering or crimping wires
- Available wire gauge: 22 AWG or 24 AWG
- Available in 7 standard wire lengths, from 4″ to 48″
- Choice of 2 different wires colors: White/Black or Red/Black
- Panel thickness ranges from 0.030″ (0.762mm) to 0.75″ (1.905mm)
- 3mm (T-1) LED with or without flange, lens, clip and spacer needs to be ordered separately
- Spacer SPC_040 made of EPDM rubber is optional and designed to seal against water, oil, air and dust
- For additional options please contact our technical sales department
- U.S. and foreign patent issued
- RoHS and REACH Compliant

Ordering Data

Series	LED Termination	Wire Size	Wire Color	Wire Length
CNX B	X	4	1	12

	LED Termination		Wire Size		Wire Color		Wire Length
X	Stripped End	2	22 AWG	1	White/Black	04	4in (101.6mm)
E	Single Row Locking Header	4	24 AWG	2	Red/Black	06	6in (152.4mm)
G	Single Row Plain Header					08	8in (203.2mm)
A	W/Terminals; No Connector					12	12in (304.8mm)
						18	18in (457.2mm)
						24	24in (609.6mm)
						48	48in (1219.2mm)

Example:

CNX_B_X_4_1_12

Stripped End, 24 AWG Wire Size, White/Black Wire Color, 12 Inch Wire Length
Shown with 3mm (T-1) LED and SMC 170 Lens

*Call VCC for additional options

Terminations

Stripped End (X)
Wire color options
⬤ ⬤

Single Row (E)
Locking Connector
2 Wires Option Only

Single Row (G)
Plain Connector
2 Wires Option Only

W/ Terminals (A)
No Connector

Accessories (Order Separately)

3mm (T-1)
2-leads with or
without Flange

SPC 040
O-ring Option
SPC_040

SMC 130
Round Panel Clip
SMC_130_BLK

SMC 170
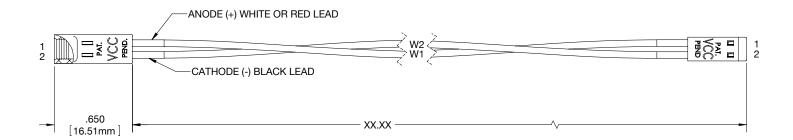Fresnel Lens
🔴 SMC_170_RTP
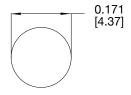🔵 SMC_170_BTP
🟢 SMC_170_GTP
🟠 SMC_170_ATP
🟡 SMC_170_YTP
⚪ SMC_170_CTP

Product Dimensions

ANODE (+) WHITE OR RED LEAD

1
2

W2
W1

CATHODE (-) BLACK LEAD

PAT.
VCC
PEND.

1
2

.650
[16.51mm]

XX.XX

Recommended Mounting Hole

0.171
[4.37]

Notes:

1. All dimensions are in inches [millimeters]
2. Tolerance is ± .500 [12.7] unless otherwise noted.
3. XX.XX refer to wire length
4. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

Materials	
Panel Connector Socket	Polypropylene, UL 94-HB
Head Connector	Polyester, UL 94-V0
Terminals	Phosphor Bronze, Tin Plate
Wire	22 or 24 AWG 1007/1569

Installation Specifications	
Mounting Hole	0.171″ (4.37mm)
Panel Thickness	.030″ (.762mm) Min - .075″ (1.905mm) Max For .030″ (.762mm) - .050″ (1.270mm) Use 1 SPC_040 Spacer For .055″ (1.397mm) - .075″ (1.905mm) No Spacer Required
LED Lead Length	SMC 130 - .380″ (9.652mm) SMC 170 - .320″ (8.128mm)

Compliances and Approvals

REACH
COMPLIANCE

RoHS
COMPLIANT