

CMCP300 Series Individual BNC Output Junction Boxes



Features:

- Connect Up to 18 Sensors
- Individual BNC Outputs
- Dual Output Sensor Compatible
- IP66, NEMA 4/4X Rated
- Fiberglass, Painted Steel or Stainless Steel
- Hinged Door and Front Panel
- Engraved Channel ID's
- Heavy Duty Sensor Input Terminal Strips
- Sensor Location Guide in Door
- Optional Installed IP68 Breakthrough Cord Grips

Product Overview

The CMCP300 Series BNC Junction Boxes are multiple channel connection centers for terminating the outputs of accelerometers or other transducers. They are normally located in a close proximity to a machine to reduce wiring costs as well as to provide a convenient and safe location to access sensor signals. The CMCP300 Series BNC Boxes are available with either a Fiberglass NEMA 4X, Painted Steel NEMA 4 or Stainless Steel NEMA 4X enclosure. All enclosures feature integral mounting flanges and quick release door latches. BNC boxes are suitable for Class 1 Division 2 environments.

Electrical Specifications:

Input

Connection: Screw Terminals, 14-22 AWG
Termination: Bare Wire or Spade Lugs (#6 Screw Size)
Isolation: Electrically Isolated

Output

Connection: 50Ω BNC Jack (Female)
BNC Dust Caps: External (-02) Versions Only

Environmental Specifications:

Material:
FG Option Compression Molded Fiberglass
PS Option 14 AWG Mild Steel ANSI 61 Polyester Powder Coated
SS Option 14 AWG 304 Stainless Steels

NEMA Rating:
FG and SS NEMA 3R, 4, 4X, 12 and 13
PS NEMA 4, 12 and 13
Suitable for Class 1 Division 2 Locations

IP Rating:
IP67
Resistant to Hose Directed Fluid and Corrosion

Temperature Range: -55 to +85°C (-67 to 185°F)

Door Closure:
Fiberglass: Snap Latch Quick Release
Steel: 3/4 Turn Twist Lock

Optional Cord Grips:
Material: Nylon Cord Grip with Zinc Plated Steel Washer
IP Rating: IP68
For Cable Size: 0.17"-0.22" Cable Diameter
Location: Enclosure Bottom

Mechanical Specifications:

Channels	Average Dimensions	Drawing Ref.:	Weight:
1-4 Channels	6"x6"x4" Average	XS-S1 (Size 1)	5 Lbs. (2.27 kg)
5-8 Channels	8"x6"x4" Average	XS-S2 (Size 2)	8 Lbs. (3.63 kg)
9-12 Channels	12"x10"x8" Average	XS-S3 (Size 3)	10 Lbs. (4.54 kg)
13-18 Channels	14"x12"x8" Average	XS-S4 (Size 4)	19 Lbs. (8.62 kg)

Refer to Mechanical Drawing for More Information

Ordering Guide

CMCP300	-XX	-XX	-XX	-XX	Description
	-FG				NEMA 4X Fiberglass Enclosure
	-PS				NEMA 4 Painted Steel Enclosure
	-SS				NEMA 4X Stainless Steel Enclosure
		1-18			Specify Channel Count (01 through 18 Channels)
			-01		Internal (Accessible from Inside Only)
			-02		External (Accessible from Outside Only)
				-NE	No Entries
				-CG	Cord Grips Installed

Notes:

For a shorter delivery time, order commonly stocked BNC boxes.
 Stocked enclosures include 1, 2, 4 and 6 channel systems (-01, -02, -04 and -06).

Example Part Number

CMCP300FG-06-01-CG
 6 Channel BNC Junction Box (6 Inputs / 6 Outputs)
 Internal BNC Connections (Behind Door)
 Cord Grips Installed In Bottom

Images:



-SS
 Stainless Steel NEMA 4X Option



-PS
 Painted Steel NEMA 4 Option



-FG
 Fiberglass NEMA 4X Option



-CG Option
 Breakthrough Liquid Tight Cord Grip (IP68)