



## CMCP300 Series

### Individual BNC Output Junction Boxes



#### Features

- Individual BNC Outputs
- Connects up to 18 Sensors
- Dual Output Sensor Compatible
- Stainless Steel, Painted Steel or Fiberglass
- Rated IP66/IP67, NEMA 4/4X
- 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 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)

#### Environmental Specifications

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

**Rating:** Stainless Steel NEMA 4X, IP67, -Resistant to Hose Directed Fluid and Corrosion  
Painted Steel NEMA 4, IP66  
Fiberglass NEMA 4X, IP66  
Suitable for Class 1 Division 2 Locations

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

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

#### 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

CMCP300XX	-XX	-XX	-XX	Description
SS				NEMA 4X, IP67 Stainless Steel Enclosure
PS				NEMA 4, IP66 Painted Steel Enclosure
FG				NEMA 4X IP66 Fiberglass Enclosure
	1-18			Specify Channel Count (01 through 18 Channels))
		-01		Internal BNC's (Accessible from Inside Only)
			-00	No Cable Entries
			-CG	Cord Grips Installed

## Notes

For a shorter delivery time, consider ordering 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



CMCP300SS-04-01-00  
Stainless Steel NEMA 4X, IP67



CMCP300PS-04-01-00  
Painted Steel NEMA 4, IP66



CMCP300FG-06-01-00  
Fiberglass NEMA 4X, IP66



CMCP300SS-04-01-00  
Stainless Steel, 4-channel



CMCP300FG-04-CG  
Fiberglass, 4-channel, open



-CG Cable Entry Option  
Liquid Tight Cord Grip (IP68)

**Note:** Due to STI's continuous process improvement, specifications are subject to change without notice.