



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 (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



CMCP300FG-04-01-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.