

CMCP310 Series Switchable Output BNC Junction Boxes



Features:

- Connect up to 48 Sensors
- Switched Output
- MS 5015 2 Pin Connector and BNC Output
- IP66, NEMA 4/4X Rated
- Fiberglass, Painted Steel or Stainless Steel
- Heavy Duty Terminal Strips
- Quick Release Door Latches
- Sensor Location Door Guide
- Optional IP68 Breakthrough Cord Grips

Product Overview

The CMCP310 Series Switchable 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 CMCP310 Series BNC Boxes are circuit board based with a removable front cover plate to ease installation. The cover plate hides all internal wiring to limit exposure for increased protection.

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)
2 Pin MS 5015 Connector
Switch: 1 Switch Per 12 Channels
Switch Type: Make Before Break
BNC Dust Caps: External (-02) Versions Only

Optional IEPE Power (Not Required for When Powered by Data Collector)

Power Input: 24VDC
Current: Built-in 4.4mA Constant Current Diode

Environmental Specifications:

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

NEMA Rating: FG and SS NEMA 4, 4X, 12 and 13
PS NEMA 4, 12 and 13

IP Rating: IP66

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

Door Closure: 3/4 Turn Quick Release Latch (Steel) or Quick Release Latch (Fiberglass)

Optional Cord Grips: Material: Nylon / Zinc Plated Steel
IP Rating: IP68
Cable Diameter: 0.17"-0.22" Cable Diameter
Location: Enclosure Bottom

Mechanical Specifications:

6-12 Channels	8"x6"x4" Overall
13-24 Channels	12"x10"x8" Overall
35-48 Channels	16"x14"x10" Overall

Ordering Guide

CMCP310	-XX	-XX	-XX	Description
-FG				NEMA 4X Fiberglass Enclosure
-PS				NEMA 4 Painted Steel Enclosure
-SS				NEMA 4X Stainless Steel Enclosure
	-06			6 Channels
	-12			12 Channels
	-18			18 Channels
	-24			24 Channels
	-30			30 Channels
	-36			36 Channels
	-48			48 Channels
		-01		Internal (Switch and Connectors Accessible Inside Only)
		-02		External (Switch and Connectors Accessible Outside Only)
			-NE	No Cable Entries
			-CG	Cord Grips Installed

Example Part Number

CMCP310FG-24-01-CG
 24 Channel Switchable BNC Junction Box (24 Inputs / Switchable Output)
 Internal Connections (Installed Behind Door)
 Cord Grips Installed In Bottom for 24 Sensors

Images:



-PS
Painted Steel NEMA 4 Option



-SS
Stainless Steel NEMA 4X Option



-FG
Fiberglass NEMA 4X Option



-CG Option
Breakthrough Liquid Tight Cord Grip (IP68)



Internal View



Shown with Cord Grip Installed