

Vibration Monitoring and Machine Protection Systems

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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

Condition Monitoring Custom Products

Connection: Termination: Isolation:	Screw Terminals, 14-22 AWG Bare Wire or Spade Lugs (#6 Screw Size) Electrically Isolated				
Output Connection: Switch:	50Ω BNC Jack (Female) 2 Pin MS 5015 Connector 1 Switch Per 12 Channels				
Switch Type: BNC Dust Caps:	Make Before Break External (-02) Versions Only				
Optional IEPE Power (I Power Input: Current:	r (Not Required for When Powered by Data Collector) 24VDC Built-in 4.4mA Constant Current Diode				
Environmental Speci Material:	fications: FG Option PS Option SS Option	Compression Molded Fiberglass 14 AWG Mild Steel Polyester Powder Coated 14 AWG 304 Stainless Steels			
NEMA Rating: IP Rating:	FG and SS PS IP66	NEMA 4, 4X, 12 and 13 NEMA 4, 12 and 13			
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: IP Rating: Cable Diameter: Location:	Nylon / Zinc Plated Steel IP68 0.17"-0.22" Cable Diameter Enclosure Bottom			
	Connection: Termination: Isolation: Output Connection: Switch: Switch Type: BNC Dust Caps: Optional IEPE Power (I Power Input: Current: Environmental Speci Material: NEMA Rating: IP Rating: Temperature Range: Door Closure:	Connection:Screw Terminals, Bare Wire or SpaTermination:Bare Wire or SpaIsolation:Electrically IsolatOutputSog BNC Jack (F 2 Pin MS 5015 Cd)Switch:1 Switch Per 12 GSwitch Type:Make Before BreadBNC Dust Caps:External (-02) VectorOptional IEPE Power(Not Required for 24VDC)Power Input:24VDCCurrent:Built-in 4.4mA Cd)Environmental Specifications: Material:FG Option PS Option SS OptionNEMA Rating:FG and SS PSIP Rating:IP66Temperature Range:-55 to +85°C (-67)Door Closure:3/4 Turn Quick ROptional Cord Grips:Material: IP Rating: Cable Diameter:			

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	-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



-CG Option Breakthrough Liquid Tight Cord Grip (IP68)



-SS Stainless Steel NEMA 4X Option



Internal View



-FG Fiberglass NEMA 4X Option



Shown with Cord Grip Installed