



CMCP310 Switchable BNC Junction Boxes

The **CMCP310** Series Switchable BNC Junction Boxes are designed for terminating and switching the outputs of up to 48 accelerometers. They are installed in a location as close to the machine as practical to reduce wiring cost and yet provide convenient safe access to the vibration signal by an operator with a portable data collector or analyzer.



CMCP310PC-06-02

The CMCP310 Series Junction Boxes are available in three (3) versions, "FG" Nema 4x Fiberglass, "PS" Nema 4 Powder Coated Steel and "SS" Nema 4x Stainless Steel. Both internal and external switch/BNC models are available. Internal models are provided with quick access latches and external models with screw covers and protective caps for the BNC fitting. In harsh environments internal models should be specified. Black and white bezel tagging is provided for channel and switch identification.

The **CMCP310FG Fiberglass** NEMA 4X enclosure made of molded fiberglass polyester and is easily punched or drilled. It has outstanding chemical and temperature resistance and physical properties. A seamless foam in-place gasket assures a watertight and dust tight seal. Screw covers are secured with captivated Monel cover screws.

The **CMCP310PC Powder Coated** NEMA 4 enclosure is constructed of 14 gauge mild steel and is ANSI 61 gray polyester powder coated on the all surfaces.

CMCP310FG	XX	X X	Powder Coat Steel NEMA 4	Dimensions
	06		6 Channels	9.5" x 7.0" x 3.5" (24.13 x 17.78 x 8.89 cm)
	12		12 Channels	9.5" x 7.0" x 3.5" (24.13 x 17.78 x 8.89 cm)
	24		24 Channels	15.5" x 13.0" x 6.0" (39.37 x 33.02 x 15.24cm)
	32		32 Channels	17.5" x 15.0" x 6.0" (44.45 x 38.10 x 15.24cm)
	48		48 Channels	17.5" x 15.0" x 6.0" (44.45 x 38.10 x 15.24cm)
		01	Internal BNC	
		02	External BNC	

CMCP310PC	XX	XX	Powder Coat Steel NEMA 4	Dimensions
	06		6 Channels	9.5" x 7.0" x 3.5" 24.13 x 17.78 x 8.89 cm)
	12		12 Channels	9.5" x 7.0" x 3.5" (24.13 x 17.78 x 8.89 cm)
	24		24 Channels	15.5" x 13.0" x 6.0" (39.37 x 33.02 x 15.24cm)
	32		32 Channels	17.5" x 15.0" x 6.0" (44.45 x 38.10 x 15.24cm)
	48		48 Channels	17.5" x 15.0" x 6.0" (44.45 x 38.10 x 15.24cm)
		01	Internal BNC	
		02	External BNC	



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The **CMCP310SS Stainless Steel NEMA 4X** enclosure is constructed from 14 gauge 304 Stainless Steel.

CMCP310SS	XXX	XX	Stainless Steel NEMA 4X	Dimensions
	06		6 Channels	9.5" x 7.0" x 4.0" (24.13 x 17.78 x 10.16 cm)
	12		12 Channels	9.5" x 7.0" x 4.0" (24.13 x 17.78 x 10.16 cm)
	24		24 Channels	15.5" x 13.0" x 6.0" (39.37 x 33.02 x 15.24cm)
	32		32 Channels	17.5" x 15.0" x 6.0" (44.45 x 38.10 x 15.24cm)
	48		48 Channels	17.5" x 15.0" x 6.0" (44.45 x 38.10 x 15.24cm)
		01	Internal BNC	
		02	External BNC	

CMCP261 Liquid Tight Strain Relief Connectors are used for either extension cable or multi-conductor wire entries into the CMCP310 BNC Junction boxes. Connectors are constructed of Polyamide and provide both environmental sealing and strain relief. The connectors are temperature rated to -40°F to +212°F (-60°C to +100°C) and have a pressure rating of up to 150 PSIG. Check your data sheet for the diameter of your extension cable.

CMCP261FG	XX	Min. O.D.	Max. O.D.
	01	0.08" (2)	0.20" (5)
	02	0.16" (4)	0.31" (8)
	03	0.20" (5)	0.35" (9)
	04	0.28" (7)	0.47" (12)
	05	0.35" (9)	0.70" (18)
	06	0.51" (13)	0.78" (20)