SKF
Condition Monitoring Custom Products
"Vibration Monitoring and Machine Protection Systems"
2911 S. Shore Blvd., Ste. 170, League City, TX 77573 Phone: 281.334.0766 Fax: 281.334.4255

Condition Monitoring Custom Products

CMCP300 BNC Junction Boxes

The **CMCP300** series BNC Junction Boxes are multiple channel connecting centers for terminating the outputs of accelerometers or other transducer field wiring. They are normally located in close proximity to the machine to reduce wiring cost and provide convenient access to the vibration signal by a portable data collector or analyzer.

CMCP300FG-04-01

The CMCP300 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 **CMCP300FG 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.

CMCP300FG	XX	XX	Fiberglass NEMA 4X	Dimensions
	01		1 Channel	6.5” x 6.5” x 4.25” (16.5 x 16.5 x 10.8 cm)
	02		2 Channels	6.5” x 6.5” x 4.25” (16.5 x 16.5 x 10.8 cm)
	04		4 Channels	8.5” x 6.5” x 4.25” (21.6 x 16.5 x 10.8 cm)
	06		6 Channels	8.5” x 6.5” x 4.25” (21.6 x 16.5 x 10.8 cm)
		01	Internal BNC	
		02	External BNC	

CMCP300PC	XX	XX	Powder Coated Steel NEMA 4	Dimensions
	01		1 Channel	7.5” x 7.0” x 4.0” (19.05 x 17.78 x 10.16 cm)
	02		2 Channels	7.5” x 7.0” x 4.0” (19.05 x 17.78 x 10.16 cm)
	04		4 Channels	9.5” x 7.0” x 3.5” (24.13 x 17.78 x 8.89 cm)
	06		6 Channels	9.5” x 7.0” x 3.5” (24.13 x 17.78 x 8.89 cm)
		01	Internal BNC	
		02	External BNC	

www.cmcpweb.com

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

CMCP300SS	XX	XX	Stainless Steel NEMA 4X	Dimensions
	01		1 Channel	7.5" x 5.0" x 4.0" (19.05 x 12.70 x 10.16 cm)
	02		2 Channels	7.5" x 5.0" x 4.0" (19.05 x 12.70 x 10.16 cm)
	04		4 Channels	9.5" x 7.0" x 4.0" (24.13 x 17.78 x 10.16 cm)
	06		6 Channels	9.5" x 7.0" x 4.0" (24.13 x 17.78 x 10.16 cm)
		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 -40ºF to +212ºF (-60ºC to +100ºC) 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 mm)	0.20" (5 mm)
	02	0.16" (4 mm)	0.31" (8 mm)
	03	0.20" (5 mm)	0.35" (9 mm)
	04	0.28" (7 mm)	0.47" (12 mm)
	05	0.35" (9 mm)	0.70" (18 mm)
	06	0.51" (13 mm)	0.78" (20 mm)

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