



CMCP303 Series

Triaxial Connection Boxes



Features

- For 2, 4 or 6 Triaxial Accelerometers
- Speeds Up Data Collection
- More Repeatable Readings
- Painted Steel, Fiberglass or Stainless-Steel
- IP66, NEMA 4/4X Enclosure
- Hinged Door and Front Panel
- M12 5-Pin Quick Connect Connectors
- Engraved Channel ID's
- Heavy Duty Sensor Input Terminal Strips
- Sensor Location Guide in Door
- Optional Installed IP68 Breakthrough Cord Grips

Product Overview

The CMCP303 Series Triaxial Connection Boxes are multiple channel connection centers for terminating the outputs of triaxial accelerometers. 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 CMCP303 Series Triaxial Connection 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. A 5 pin M12 output connector is available for each triaxial sensor input. The 5 pin allows for the use of triaxial sensors with the optional temperature output and is compatible with 4 and 5 socket connecting cables. The CMCP303 is not data collector specific and can be used with any manufacturer with the proper cable. (Select the -M12 option for Side B when specifying CMCP665/667 Data Collector Cable Assemblies)

Specifications

Input

Connection: Screw Terminals, 14-22 AWG
Termination: Bare Wire or Spade Lugs (#6 Screw Size)
Isolation: Electrically Isolated

Output

Connection: M12 Connector, A CODE, Male, 5-PIN

Environmental

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, IP66, -Resistant to Hose Directed Fluid and Corrosion
Painted Steel NEMA 4, IP66
Fiberglass NEMA 4X, IP66

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

Size

2x or 4x M12 5-Pin Connectors:
6x M12 5-Pin Connectors:

Dimensions

7.5"H x 7.0"W x 4.0"D (19.1 x 17.8 x 10.2 cm)
9.5"H x 7.0"W x 4.0"D (24.1 x 17.8 x 8.9 cm)

Weight

3.0 Lbs. (1.4 kg)
3.8 Lbs. (1.7 kg)

Ordering Guide

CMCP303XX	-XX	-XX	Description
SS			NEMA 4X, IP66 Stainless Steel Enclosure
PS			NEMA 4, IP66 Painted Steel Enclosure
FG			NEMA 4X IP66 Fiberglass Enclosure
	-02		For Two Triaxial Accelerometer
	-04		For Four Triaxial Accelerometer
	-06		For Six Triaxial Accelerometer
		-00	No Cable Entries
		-CG	Cord Grips Installed

Example Part Number

CMCP303FG-04-CG

Triaxial Connection Box, Fiberglass, for 4 Triaxial Accelerometers, Cord Grips Installed in Bottom

Images



CMCP303FG-02-00
Fiberglass NEMA 4X, IP66



CMCP303FG-02-00
Inside



CMCP303FG-06-00
Fiberglass NEMA 4X, IP66



-CG Cable Entry Option
Breakthrough Liquid Tight Cord Grip (IP68)