CMCP300 Series
Individual BNC Output Junction Boxes

Features:
- Connect Up to 18 Sensors
- Individual BNC Outputs
- Dual Output Sensor Compatible
- IP66, NEMA 4/4X Rated
- Fiberglass, Painted Steel or Stainless Steel
- Hinged Door and Front Panel
- Engraved Channel ID’s
- Heavy Duty Sensor Input Terminal Strips
- Sensor Location Guide in Door
- Optional Installed IP68 Breakthrough Cord Grips

Product Overview
The CMCP300 Series 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 CMCP300 Series BNC 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. BNC boxes are suitable for Class 1 Division 2 environments.

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)
BNC Dust Caps: External (-02) Versions Only

Environmental Specifications:
Material:
FG Option: Compression Molded Fiberglass
PS Option: 14 AWG Mild Steel ANSI 61 Polyester Powder Coated
SS Option: 14 AWG 304 Stainless Steels

NEMA Rating:
FG and SS: NEMA 3R, 4, 4X, 12 and 13
PS: NEMA 4, 12 and 13
Suitable for Class 1 Division 2 Locations

IP Rating:
IP67
Resistant to Hose Directed Fluid and Corrosion

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

Door Closure:
Fiberglass: Snap Latch Quick Release
Steel: 3/4 Turn Twist Lock

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:

<table>
<thead>
<tr>
<th>Channels</th>
<th>Average Dimensions</th>
<th>Drawing Ref.:</th>
<th>Weight:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-4 Channels</td>
<td>6”x6”x4” Average</td>
<td>XS-S1 (Size 1)</td>
<td>5 Lbs. (2.27 kg)</td>
</tr>
<tr>
<td>5-8 Channels</td>
<td>8”x6”x4” Average</td>
<td>XS-S2 (Size 2)</td>
<td>8 Lbs. (3.63 kg)</td>
</tr>
<tr>
<td>9-12 Channels</td>
<td>10”x8”x6” Average</td>
<td>XS-S3 (Size 3)</td>
<td>10 Lbs. (4.54 kg)</td>
</tr>
<tr>
<td>13-18 Channels</td>
<td>14”x12”x8” Average</td>
<td>XS-S4 (Size 4)</td>
<td>19 Lbs. (8.62 kg)</td>
</tr>
</tbody>
</table>

Refer to Mechanical Drawing for More Information

### Ordering Guide

<table>
<thead>
<tr>
<th>CMCP300</th>
<th>-XX</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FG</td>
<td></td>
<td></td>
<td>NEMA 4X Fiberglass Enclosure</td>
</tr>
<tr>
<td></td>
<td>PS</td>
<td></td>
<td></td>
<td>NEMA 4 Painted Steel Enclosure</td>
</tr>
<tr>
<td></td>
<td>SS</td>
<td></td>
<td></td>
<td>NEMA 4X Stainless Steel Enclosure</td>
</tr>
</tbody>
</table>

1-18 Specify Channel Count (01 through 18 Channels)

-01 Internal (Accessible from Inside Only)

-02 External (Accessible from Outside Only)

-NE No Entries

-CG Cord Grips Installed

### Notes:

For a shorter delivery time, order commonly stocked BNC boxes. Stocked enclosures include 1, 2, 4 and 6 channel systems (-01, -02, -04 and -06).

### Example Part Number

CMCP300FG-06-01-CG

6 Channel BNC Junction Box (6 Inputs / 6 Outputs)

Internal BNC Connections (Behind Door)

Cord Grips Installed In Bottom

### Images:

- **-SS** Stainless Steel NEMA 4X Option
- **-PS** Painted Steel NEMA 4 Option
- **-FG** Fiberglass NEMA 4X Option
- **-CG Option** Breakthrough Liquid Tight Cord Grip (IP68)