ITTCannon CGE
High Power VG96929 Connectors

A single pole high power bayonet connector solution for critical military vehicle and heavy industrial applications.

Featuring two PTFE insulators with a spring retention system and sealing rings that deliver a water tight connection to 1 bar, the CGE Series is an extremely rugged and reliable interconnect solution for the harshest environments. Ideal for military ground vehicle, marine and heavy industrial applications it is suitable for cables from 25mm² to 240mm², has durability up to 500 mating cycles and an operating temperature of -55°C to 150°C.

Featuring a ruggedized aluminum shell the CGE Series has a variety of harsh environment plating options including ITT Cannon’s the best in class Blue Generation, cadmium alternative. Fully interchangeable and intermateable with single pole reverse bayonet connectors qualified and designed to VG96929, the GGE Series is the ultimate choice – for when it matters most.

The cannon difference:
• Global capabilities and local support
• Proven application expertise
• Over a century of interconnect leadership
• A committed innovator and business partner

Features:
• Fully VG96929 certified
• Ideal for high power low voltage applications up to 900 A
• Proven bayonet coupling design for fast mating and outstanding vibration resistance
• Visual, audible and tactile locking system for extra secure mating
• Water pressure tightness to 1 Bar
• RoHS compliant plating options including best in class – Blue Generation (A240)

Applications

MILITARY GROUND VEHICLES
SHIPBOARD AND MARINE
INDUSTRIAL EQUIPMENT
ITT Cannon CGE – How to order

VG Order reference

<table>
<thead>
<tr>
<th>Series</th>
<th>Shell style</th>
<th>Dash</th>
<th>Shell size</th>
<th>Contact type</th>
<th>Angular position</th>
</tr>
</thead>
<tbody>
<tr>
<td>VG96929</td>
<td>A1, A2 – box mounting receptacle</td>
<td>–</td>
<td>22</td>
<td>F</td>
<td>N</td>
</tr>
</tbody>
</table>

Explanation

Series: VG96929

Shell style:
- A1, A2 – box mounting receptacle
- B1 – wall mounting receptacle
- F, G – straight plug
- C1, C2 – bulkhead
- E – plug 90°

Shell size:
- 16, 18, 22, 28, 32

Contact type:
- F = Spring contact (pin)
- Z = Cylinder contact (socket)
- D = Cylinder-spring contact (Style C1 and C2 only)

Angular position:
- N – 180°
- W – 120°

Cannon Order reference

<table>
<thead>
<tr>
<th>Series</th>
<th>Shell style</th>
<th>Class</th>
<th>Shell size</th>
<th>Contact size</th>
<th>Contact type</th>
<th>Angular position</th>
<th>Bayonet coupling</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGE</td>
<td>6 – wall mounting receptacle with flange</td>
<td>E</td>
<td>32</td>
<td>H24</td>
<td>F</td>
<td>N – 180°</td>
<td>B – bayonet coupling</td>
<td>03 - adapter for heat shrink boots, metric crimp contact</td>
</tr>
</tbody>
</table>

Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT's Cannon brand is a leading global manufacturer of connector products serving international customers in aerospace, defense, medical, industrial and transportation end markets. ITT’s Connector business, which also includes the Veam and BIW Connector Systems brand, manufactures and supplies a variety of connectors and interconnects that make it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit us at www.ittcannon.com