



# ITT Cannon 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 25mm<sup>2</sup> to 240mm<sup>2</sup>, 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 CGE 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...
  - TinZinc "J" plating, the 1:1 Cadmium replacement as defined in VG96929 (A241)
  - High performance industrial Blue Generation (A240)

### Applications



MILITARY GROUND VEHICLES



SHIPBOARD AND MARINE



INDUSTRIAL EQUIPMENT

VG Order reference

VG96929	A1	–	22	F	N	J
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Series	
Shell style	
Dash	
Shell size	
Contact type	
Angular position	
Plating	

Explanation

<b>Series</b> VG96929	<b>Shell style</b> A1, A2 - box mounting receptacle B1 - wall mounting receptacle F, G - straight plug C1, C2 - bulkhead E - plug 90°	<b>Shell size</b> 16, 18, 22, 28, 32	<b>Contact type</b> F = Spring contact (socket) Z = Cylinder contact (pin) D = Cylinder-spring contact (Style C1 and C2 only)	<b>Angular position</b> N - 180° W - 120°	<b>Plating</b> Identification "J" = RoHS, Matt Grey SnZn plating, VG approved
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Cannon Order reference

CGE	6	E	32	H24	F	W	B	*
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Series	
Shell style	
Class	
Shell size	
Contact size	
Contact type	
Angular position	
Bayonet coupling	
Modification	

Explanation

<b>Series</b> CGE	<b>Class</b> E - environment, Degree of protection IPX8	<b>Contact type</b> F = Spring contact (pin) Z = Cylinder contact (socket) X = Cylinder-spring contact (Style 9 only)	<b>Modification</b> 03 - adapter for heat shrink boots, metric crimp contact 04 - rear panel mounting, threaded holes in flange, metric crimp contact 05 - rear panel mounting, through holes in flange, metric crimp contact 14 - shielded version, metric crimp contact 16 - thread bolt termination, front panel mounting, O ring for sealing A240 - Zinc Nickel Blue plating A241 - Tin Zinc Matt Grey plating
<b>Shell style</b> 0 - wall mounting receptacle with flange 1 - cable connecting plug 2 - box mounting receptacle with flange 6 - straight plug 8 - plug 90° 9 - bulkhead	<b>Shell size</b> 16, 18, 22, 28, 32	<b>Angular position</b> N - 180° W - 120°	
	<b>Contact size</b> H2 - 25 mm² H5 - 50 mm² H9 - 95 mm² H15 - 150 mm² H24 - 240 mm²	<b>Bayonet coupling</b> B - bayonet coupling	

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.

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