Cannon

# CA Bayonet Connectors

## In Accordance with VG95234

*IP69K Compliant*

ITT

ENGINEERED FOR LIFE

## Interconnect Technologies & Solutions

For over 90 years, ITT has been developing innovative solutions for harsh environment applications. We have a proven track record of demonstrating our expertise and commitment to the industrial industry, offering the broadest portfolio of interconnect products.

Our interconnect range include sealed circulars, plastic and metal shell bayonet coupling circulars, miniature metal shell circulars, PC Board header connectors and sensor and direct device connectors. ITT is also a systems supplier, providing value-added module and harness assemblies.

### In addition to our CA Bayonet series, we also offer these connectivity solutions:

## Environmentally Sealed & Harsh Environments

### Cannon MIL-DTL-38999

High density contact arrangements, corrosion-resistant shells, rear release crimp snap-in contacts, operates under severe high temperature vibration testing.

### Cannon KPT / KPSE

Environmentally sealed miniature circular connectors available in two versions: KPT (solder contact) and KPSE (high performance crimp contact). Intermateable and intermountable with all MIL-C-26482 connectors and is available with many materials, finishes and configurations.

### Cannon Trident

Versatile range of electrical connectors based on a standard contact design. Options include; industrial grade, harsh environment and shielded circulars.

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| | Connector Series Selection Table | Sure Seal | CLC | SLC | SLE | APD | Trident Rectangular | Trident Circular | MS E/F/R |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| General | Industrial/Commercial | O | O | O | O | O | O | O | O |
| | Military | - | - | - | - | - | - | - | O |
| | Standards/Associated Specifications | - | SAE J2030 USCar | SAE J2030 USCar | SAE J2030 USCar | ISO 15170 | UL 1977 NFF 61-030 (TFR) | UL 1977 EN 61984 | MIL-DTL-5015 VG 95342 |
| | Number of Circuits | 2 to 10 | 2 & 4 | 5, 8, 10 & 15 | 19 & 28 | 1 to 51 | 2 to 36 | 4 to 48 | 1 to 65 |
| Electrical | Max. Operating Voltage | 48 V DC | 300 V AC | 300 V AC | 300 V AC | 48 V DC High Voltage: 500 V DC/AC | 250 V AC | 250 V AC High Voltage: 500 V DC/AC | 50 V DC |
| | Dielectric Withstanding Voltage (at sea level) | 1200 V AC | 1000 V AC | 1000 V AC | 1000 V AC | 1000 V AC High Voltage: 3500 V AC | 2000 V AC | 2000 V AC High Voltage: 3500 V AC | 3000 V AC |
| | Max. Current Rating @ 40°C | 17 A | 5 A | 13 A | 13 A | 245 A | 13 A | 30 A | 245 A |
| | EMI/RFI Shielding | - | - | - | - | - | - | O | O |
| Mechanical | Wire Gauge Range AWG | 20 to 14 | 20 to 16 | 20 to 16 | 20 to 16 | 22 to 0 | 26 to 14 | 26 to 12 | 26 to 0 |
| | Wire Gauge Range mm² | 0,4 - 1,5 mm² | 0,50 - 1,0 mm² | 0,50 - 1,0 mm² | 0,50 - 1,0 mm² | 0,35 - 50 mm² | 0,14 - 2,5 mm² | 0,14 - 4,0 mm² | 0,14 - 50 mm² |
| | Power & Signal Layouts | - | - | - | - | - | - | O | O |
| | Mating Cycles (max.) | 100 | 25 | 25 | 25 | 50 | 500 | 500 | 100 |
| | Type of Coupling | Ring Snap | Clip Lock | Snap Lock | Snap Lock | Bayonet | Snap Lock | Bayonet | Thread |
| | Mechanical Coding | - | - | - | O | O | O | O | - |
| Environmental | Environmental Sealing (mated condition) | IP 68 (1 bar / 12h) | IP 68 | IP 68 | IP 68 | IP67 IP69k | IP 20 | IP 67 | IP 65 |
| | Operating Temperature | -40°C to 105°C -40°F to 221°F | -40°C to 150°C -40°F to 302°F | -40°C to 150°C -40°F to 302°F | -40°C to 125°C -40°F to 257°F | -40°C to 125°C -40°F to 257°F | -55°C to 105°C -67°F to 221°F | -55°C to 125°C -67°F to 257°F | -55°C to 125°C -67°F to 257°F |
| | Shock Test (g's) | 50 | 100 | 100 | 100 | - | 50 | 50 | 50 |
| | Max. Vibration Resistance | 10 - 55 Hz 1,5 mm | 100 m/s² 10 g´s | 100 m/s² 10 g´s | 100 m/s² 10 g´s | 300 m/s² 30 g's | 100 m/s² 10 g´s | 100 m/s² 10 g´s | 100 m/s² 10 g´s |
| | Individual Wire Sealing | O | O | O | O | O | - | O | O |
| | Cable Jacket Sealing | O | - | - | - | O | - | O | O |
| | Shell Material | Nitril-Butadien Elastomer | Thermoplastic | Thermoplastic | Thermoplastic | Polyamide Plastic | Polyamide Plastic | Black Nylon or Zinc Alloy | Aluminum Alloy |
| Shell Plating | RoHS Nickel (48h salt spray) | - | - | - | - | - | - | O | O |
| | Cadmium (olive, 500h) | - | - | - | - | - | - | - | O |
| | RoHS Zinc Cobalt (black, 200h) | - | - | - | - | - | - | - | O |
| | Zinc Cobalt (green, 200h) | - | - | - | - | - | - | - | - |
| | RoHS Zinc Nickel (blue, 500h) BLUE GENERATION® | - | - | - | - | - | - | - | - |
| Contacts | Contact Plating | Tin or Silver | Tin or Gold | Tin or Gold | Tin or Gold | Tin, Silver or Gold | Tin or Gold | Tin or Gold | Silver or Gold |
| | Crimp, machined | O | O | O | O | O | O | O | - |
| | Crimp, stamped | O | O | O | O | O | O | O | - |
| | Solder | - | - | - | - | O | O | O | O |
| | Printed Circuit Solder | - | O | O | O | O | O | O | O |
| | Co-Ax | - | - | - | - | - | O | O | - |
| | Fiber Optic | - | - | - | - | - | - | - | - |
| | First-Mate Last-Break | - | - | - | - | - | O | O | O |

O Available - Not available

| CA Bayonet | CA-INDUSTRIAL | CA Triple Thread | CGL | KPT / KPSE | KPTC | PV | KJL | KJ | KJA |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| ○ | ○ | ○ | ○ | ○ | ○ | - | ○ | ○ | ○ |
| ○ | - | - | - | ○ | ○ | ○ | ○ | ○ | ○ |
| VG 95234 | - | ISO 16750<br>VG 95234 | DIN/VDE 0627<br>5.4.3<br>IEC 512-25-1<br>DIN/VDE 0100<br>Part 410 | MIL-DTL-26482<br>Series 1,<br>VG 95328 | MIL-DTL-26482<br>Series 1,<br>VG 95328 | MIL-DTL 26482<br>Series 2 | MIL-DTL-38999<br>Series I | MIL-DTL-38999<br>Series II | MIL-DTL-38999<br>Series III |
| 1 to 85 | 2 to 55 | 1 to 85 | 3 to 11 | 2 to 61 | 2 to 61 | 3 to 61 | 3 to 128 | 3 to 128 | 3 to 128 |
| 50 V DC | 50 V DC | 50 V DC | 700 V DC | 50 V DC | 50 V DC | 500 V AC | 1250 V AC | 1250 V AC | 1250 V AC |
| 3000 V AC | 2000 V AC | 3000 V AC | 7200 V AC | 2300 V AC | 2300 V AC | 2300 V AC | 2300 V AC | 2300 V AC | 2300 V AC |
| 245 A | 30 A | 245 A | 100 A | 22 A | 22 A | 23 A | 23 A | 23 A | 23 A |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 26 to 0 | 26 to 12 | 26 to 0 | 15 to 3 | 24 to 16 | 24 to 16 | 24 to 12 | 28 to 12 | 28 to 12 | 28 to 12 |
| 0,14 - 50 mm² | 0,14 - 4,0 mm² | 0,14 - 50 mm² | 1,5 - 25 mm² | 0,21 - 1,91 mm² | 0,4 - 2,0 mm² | 0,4 - 5,0 mm² | 0,45 - 5,0 mm² | 0,45 - 5,0 mm² | 0,45 - 5,0 mm² |
| ○ | ○ | ○ | ○ | - | - | ○ | ○ | ○ | ○ |
| 500 | 200 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| Reverse Bayonet | Reverse Bayonet | Triple Thread | Bayonet | Bayonet | Bayonet | Bayonet | Bayonet | Bayonet | Triple Thread |
| ○ | ○ | ○ | ○ | ○ | ○ | - | - | - | - |
| IP68 (1 bar / 16h)<br>IP69k | IP68 (1 bar / 16h)<br>IP69k | IP68 (1 bar / 16h)<br>IP69k | IP 67 | IP 68<br>(0,2 bar / 48h) | IP 68<br>(0,2 bar / 48h) | Environmental resitant acc. to EIA-364-02 | Environmental resitant acc. to EIA-364-02 | Environmental resitant acc. to EIA-364-02 | Environmental resitant acc. to EIA-364-02 |
| -55°C to 125°C<br>-67°F to 257°F | -55°C to 125°C<br>-67°F to 257°F | -55°C to 125°C<br>-67°F to 257°F | -50°C to 140° C<br>-58°F to 284°F | -55°C to 125°C<br>-67°F to 257°F | -55°C to 125°C<br>-67°F to 257°F | -55°C to 200°C<br>-67°F to 392°F | -65°C to 200°C<br>-85°F to 392°F | -65°C to 200°C<br>-85°F to 392°F | -65°C to 200°C<br>-85°F to 392°F |
| 50 | 50 | 50 | 50 | 50 | 50 | 10 | 300 | 300 | 300 |
| 200 m/s²<br>20 g´s | 100 m/s²<br>10 g´s | 300 m/s²<br>30 g's | 300 m/s²<br>30 g's | 200 m/s²<br>20 g´s | 200 m/s²<br>20 g´s | 200 m/s²<br>20 g´s | 300 m/s²<br>30 g's | 10Hz - 500Hz<br>Random: 43,7g | 600m/s²<br>60g' |
| ○ | - | - | - | ○ | ○ | ○ | ○ | ○ | ○ |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy | Aluminum Alloy |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| ○ | - | ○ | - | ○ | ○ | ○ | ○ | ○ | ○ |
| ○ | - | ○ | - | ○ | ○ | - | - | - | ○ |
| ○ | - | ○ | - | ○ | ○ | - | - | - | - |
| ○ | ○ | ○ | ○ | ○ | ○ | - | - | - | - |
| Silver or Gold | Tin or Gold | Silver or Gold | Silver or Gold | Gold | Gold | Gold | Gold | Gold | Gold |
| ○ | - | ○ | ○ | ○ (KPSE) | ○ | ○ | ○ | ○ | ○ |
| - | ○ | - | - | - | - | - | - | - | - |
| ○ | - | ○ | ○ | ○ (KPT) | ○ | - | - | - | ○ |
| ○ | - | ○ | - | ○ | ○ | ○ | ○ | ○ | ○ |
| - | - | - | - | ○ | - | ○ | ○ | ○ | ○ |
| - | - | - | - | - | - | ○ | ○ | ○ | ○ |
| ○ | - | ○ | - | ○ | ○ | - | - | - | - |

Dimensions shown in mm

Specifications and dimensions subject to change

## Introduction

Cannon CA-Bayonet series was designed in accordance with the VG95234 specification. This versatile and highly reliable connector series is an improvement on the well established MIL-C-5015 series. CA-Bayonet has a proven "reverse bayonet" coupling design that offers exceptional vibration protection, by a simple 120° turn.

Initially designed for aircraft and airborne applications, these rugged connectors are used in the electrical equipment of various off-road vehicles, construction machinery, industrial devices, railroad and military wheelers.

Connectors in accordance with VG95234 are interchangeable with the corresponding MIL-C-5015 connectors. Both connector lines feature the same shell dimensions and contacts layouts. However, due to the different coupling systems (MIL-C-5015 threaded coupling, VG95234 bayonet coupling) they are not intermateable.

## Advantages

– rugged shell design
– environmental
– bayonet coupling for easy mating and unmating
– vibration proof
– waterproof up to IP68, (10 meters / 35 feet or 1 bar for 16 h) and IP69k (Jet water)

Cannon has the complete VG95234 program available and, in addition, many other types which exceed the requirements of VG95234 and MIL-C-5015.

**Attention:**
Metal shell connectors which may be touched are not suitable for mains power.

**Restrictions:**

* European Community "Old Car" directive (2000/53/EG)
* European Community Waste Electrical and Electronic Equipment (WEEE) 2000/0158
* European Community restrictions of use of certain hazardous substances in WEEE (ROS) (2000/0159)

## Connector Design

Due to the rugged shell made of an aluminium alloy, these connectors withstand most severe conditions. Olive drab chromate coating over cadmium plating protects the surface of the shell.

Cannon offers three plating solutions to customers refusing cadmium plating. Zinc cobalt green offers similar properties like cadmium plating while zinc cobalt black and zinc nickel is RoHS compliant.

Over 180 contact arrangements are available for 1 to 65 circuits and up to 245 A per unit.

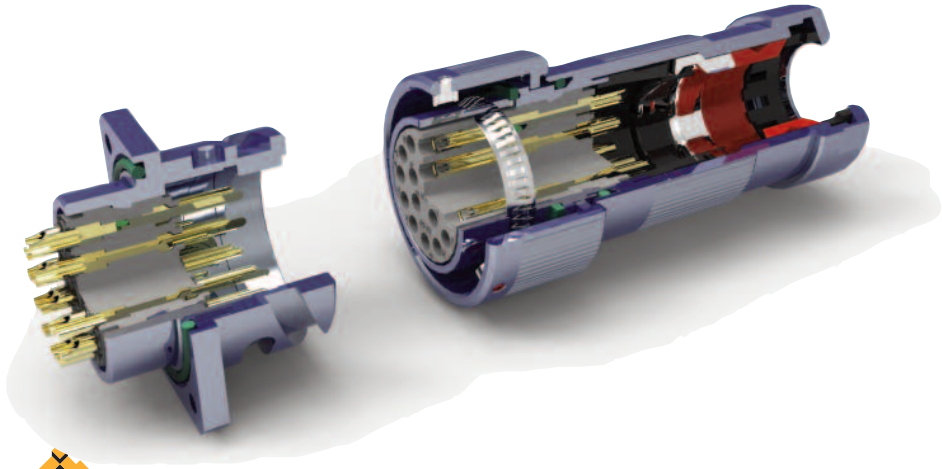
The insulators are made of high quality polychloroprene and withstand temperatures from -67°/+257°F (-55/125°C). This material is self-extinguishing, resistant against hydraulic fluids, jet fuel, diesel fuel, gasolines, lubricants, brake and fire extinguisher fluids (short wetting only). In case of lifetime moistening ITT Cannon offers FKM insulators as an alternative.

The contacts are made of copper alloy plated with a hard silver finish guarantee at least 500 mating cycles. There are solder, crimp and PCB contacts in place. The crimp contacts offer a comprehensive range of termination reductions. All solder contacts feature a special passivation to comply with ROHS requirements. The crimp contacts allow highly reliable crimping with wires when using the recommended tools according to VG95234. Crimp contacts can be exchanged at least five times still preserving specified contact retention.

The coupling unit is featured by the Cannon roller bolts made of stainless steel actually rolling down the mating ramps, thus reducing coupling force by the operator. In addition, the Cannon design employs two coupling nut versions for different application cases, with and without wavespring and washer. The version without wavespring guarantees perfect sealing while the other version stands up to high vibration levels. The bayonet design allows fast and easy coupling and uncoupling. An audible control by metallic sound and visual control by colour-marked snap-in position offer additional coupling security.

VG connectors are basically designed for single wire harnessing. For full environmental sealing each conductor is sealed completely within the grommet. However, Cannon offers as an alternative O-ring sealed PG and metric gland adaptors for faster harnessing standing up to the same sealing level than the VG types.

For highest environmental sealing levels the Universal Endbell is available. Connectors equipped with this Endbell and a receptacle with O-ring option reach a sealing up to IP69k according to DIN 40050. So the CA-Bayonet is equipped for applications where water jets are used for cleanig the equipment. Universal Endbell has simple to harness shielding connection and is field repairable.



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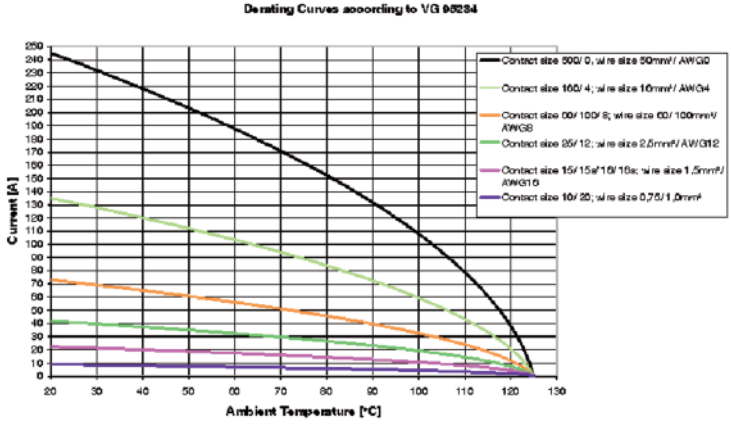
Dimensions shown in mm
Specifications and dimensions subject to change

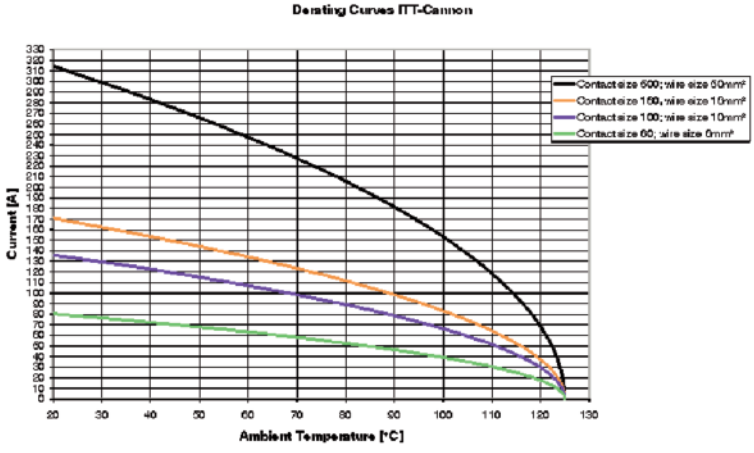
## Technical Data

### Contact rating at 68 °F (+20 °C)

| Contact size | Max. current A |
|---|---|
| 10 | 8 |
| 16S/15S | 22 |
| 16/15 | 22 |
| 12/25 | 41 |
| 8/60/100 | 74 |
| 4/160 | 135 |
| 0/500 | 245 |

### Current rating
Depending on ambient temperature




### Contact resistance
(Millivolt test)

The contact resistance has to be tested according to VG95234 part 2, test no. 5.10.1 and VG 95210, part 37. The measuring points are indicated in the illustration.

| Contact size Metric | AWG | Max. contact resistance mΩ |
|---|---|---|
| 10 | – | 12 |
| 15S/15 | 16S/16 | 6 |
| 25 | 12 | 3 |
| 60/100 | 8 | 1 |
| 160 | 4 | 0,5 |
| 500 | 0 | 0,2 |

### Insulation resistance
Acc. to VG95319, part 2, test no. 5.12 and VG95210, part 32, test condition B

| | |
|---|---|
| Standard insulator material | > 1000 MΩ |
| FKM insulator material (upon request) | > 5000 MΩ |

### Test voltage
Acc. to VG95319, part 2, test no. 5.13 and VG 95210, part 31
Test voltage for service rating:

| Service rating | Test voltage $V_{rms}$ |
|---|---|
| Instruments | 1050 |
| A | 2000 |
| B | 4500 |
| D | 2500 |
| E | 3500 |

### Air and creepage paths (min.)

| Voltage class | Instr. | A | D | E |
|---|---|---|---|---|
| Air and creepage paths mm | 0,7 | 1,1 | 2,8 | 4,8 |

### Operating voltage and connector usage

Connectors in equipments must not be separated or mated under load when used per specifications.

As according to specification the connectors are suitable for an operating voltage of 50 V (see Product Safety Information). However, this is only valid, when the connectors are freely accessible during operation and consequently might be touchable. When the connectors will be operated with line voltage, please contact ITT Customer Service for an alternative connector solution.

Dimensions shown in mm
Specifications and dimensions subject to change

## Mechanical Features

**Ambient temperature**
Standard insulator material
–55°/125°C (– 67/257°F)

FKM insulator material*
–30°/200°C (– 22/392°F)

**Safety provisions****
In mated condition
General (All connectors):
IP67 acc. to . DIN 40050

VG 95234 Connectors:
1 bar for 16h

IP69k Version Connectors:
Plug with Universal Endbell and receptacle with O- RIng
IP68 (1bar for 16h); IP69k (Water jet sealed) acc. to DIN 40050

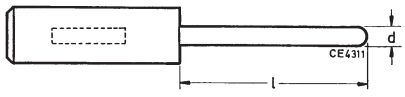
**Vibration test**
200 m/s$^2$ at 10 to 2000 Hz

**Mating cycles**
500 min.

**Withdrawl force per contact**.
The corresponding separating force has to be measured according to VG95319, part 2, test no. 5.7. using the required test gage and DIN EN60512-16-5.

| Contact size metric | AWG | Separating force min. N | Gage |
|---|---|---|---|
| 10 | – | 0,3 | G 0,99 |
| 15S/15 | 16S/16 | 1,0 | G 1,56 |
| 25 | 12 | 1,5 | G 2,36 |
| 60/100 | 8 | 3,0 | G 3,58 |
| 160 | 4 | 4,0 | G 5,69 |
| 500 | 0 | 8,5 | G 9,04 |

**Gage**
(see also VG95234, Part 1)




| Gage | Contact diameter d +0,01 | L –1 |
|---|---|---|
| G 0,99 | 0,99 | 7 |
| G 1,56 | 1,56 | 9 |
| G 2,36 | 2,36 | 12 |
| G 3,58 | 3,58 | 13 |
| G 5,69 | 5,69 | 13 |
| G 9,04 | 9,04 | 13 |

**Coupling torque**

The allowable coupling torques have to be tested under full bundle conditions of the connectors to VG95319, part 2, test no. 5.8.2.

| Shell size | Allowable coupling torque closing and opening Nm max. | Opening Nm min. |
|---|---|---|
| 10SL | 1,7 | 0,15 |
| 12S | 2,5 | 0,23 |
| 14S | 3,6 | 0,35 |
| 16S/16 | 5,5 | 0,46 |
| 18 | 8 | 0,58 |
| 20 | 9 | 0,7 |
| 22 | 11 | 0,8 |
| 24 | 14 | 0,8 |
| 28 | 17 | 0,92 |
| 32 | 19 | 1,03 |
| 36 | 23 | 1,03 |

**Contact retention**

The contact retention has to be tested according to VG95319, part 2, test no. 5.4. Test force direction = Mating direction.

| Contact size | AWG | Test force N |
|---|---|---|
| 10 | – | 30 |
| 15S/15 | 16S/16 | 35 |
| 25 | 12 | 55 |
| 60/100 | 8 | 80 |
| 160 | 4 | 90 |
| 500 | 0 | 95 |

## Materials

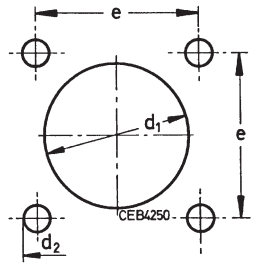
| | |
|---|---|
| **Shell** | Aluminum alloy |
| Standard finish | Olive drab chromate coating over cadmium plating |
| Alternative finish | Zinc cobalt (see page 12 – Modification) |
| **Insulator and grommets** | Polychloroprene (Standard) FKM (High temperature)* |
| **Contacts** | Copper alloy |
| Standard finish | Hard silver |
| Special finish | A176 nickel and hard gold plating |

* upon request

** **Longitudinal sealing:** The connector is not sealed against fluids entering through the cable, as the sealing lips of the single wire sealing are pressing against the jacket of the individual conductors.

## Mounting Holes

Mounting holes for wall mounting receptacles style A, B1, B2, C1, C2, J1, J2, N1 and N2 acc. to VG95234, or CA 3100E/F/R-B and CA 3102 E-B.




| Shell size | ø d1H12 Style A CA 3102E-B | Style B1, B2 C1, C2, J1, J2 N1, N2 CA 3100E, F, R-B TBF-B/-05 | ø d2H13 Style A, B2, C2, J2, N2 CA-B Mod-05 | Style B1, C1, J1, N1 CA 3100E, F, R-B | e ±0,15 | screws to be used A, B2, C2, J2, N2 CA-B-Mod. 05 | B1, C1, J1, N CA 3100E, F |
|---|---|---|---|---|---|---|---|
| 10SL | 16,4 | 18,5 | 3,4 | 4,5 | 18,2 | M3...DIN 85 | M4...DIN 84 |
| 12S | 16,4 | 21,7 | 3,4 | 4,5 | 20,6 | M3...DIN 85 | M4...DIN 84 |
| 14S | 19,7 | 24,9 | 3,4 | 4,5 | 23,0 | M3...DIN 85 | M4...DIN 84 |
| 16S | 22,9 | 27,7 | 3,4 | 4,5 | 24,6 | M3...DIN 85 | M4...DIN 84 |
| 16 | 22,9 | 27,7 | 3,4 | 4,5 | 24,6 | M3...DIN 85 | M4...DIN 84 |
| 18 | 26,1 | 31,1 | 3,4 | 4,5 | 27,0 | M3...DIN 85 | M4...DIN 84 |
| 20 | 29,5 | 34,5 | 3,4 | 4,5 | 29,4 | M3...DIN 85 | M4...DIN 84 |
| 22 | 32,7 | 37,8 | 3,4 | 4,5 | 31,8 | M3...DIN 85 | M4...DIN 84 |
| 24 | 36,0 | 41,3 | 3,9 | 4,5 | 34,9 | M3,5...DIN 85 | M4...DIN 84 |
| 28 | 42,0 | 47,1 | 3,9 | 5,5 | 39,7 | M3,5...DIN 85 | M5...DIN 84 |
| 32 | 48,3 | 53,8 | 4,5 | 5,5 | 44,5 | M4...DIN 85 | M5...DIN 84 |
| 36 | 54,6 | 60,0 | 4,5 | 5,5 | 49,2 | M4...DIN 85 | M5...DIN 84 |

* When used with safety elements the max. outer diameter must not exceed the outer diameter of the screw head.

## Harnessing

VG95234 connectors are designed for single wire harnessing. Full sealing will be guaranteed only by using wires in accordance with MIL-W-5086, LN 9251 (for AWG) and TL 6145-009 and TL 6145-011 (for metric wires). All other wires have to conform to wire and insulation diameters with the data given in the following table:

| Contact size AWG | metric mm | Crimp- and solder contacts AWG | metric $mm^2$ | Insulation Ø AWG | metric mm |
|---|---|---|---|---|---|
| – | 10 | – | 0,75-1,0 | – | 1,45-2,5 |
| 16S/15S | 16/15 | 16 | 0,75-1,5 | 1,6-2,8 | 1,60-2,8 |
| 12 | 25 | 12 | 2,5 | 2,9-3,5 | 2,9-3,5 |
| – | 60 | – | 6,0 | – | 3,5-4,9 |
| 8 | 100 | 8 | 10,0 | 4,2-5,8 | 5,5-6,5 |
| 4 | 160 | 4 | 16,0 | 6,2-9,0 | 7,1-9,0 |
| 0 | 500 | 0 | 50,0 | 10,5-13,0 | 10,5-13,0 |

## Wire Stripping

Either mechanical or hot stripping can be used. Prevent conductor or insulator damage. For solder contacts, conductors have to be pretinned.

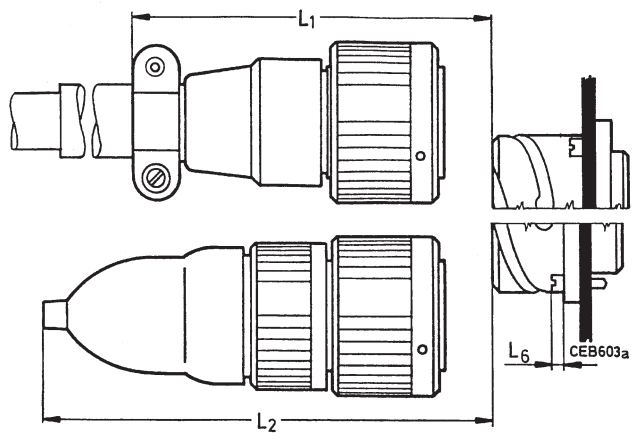
Note: Do not twist conductors used with crimp contacts. Do not touch uninsulated conductors before crimping. Twisting of conductors and grease or lubricants on the wires cause poor crimp quality.

| Contact size AWG | metric | Stripping length mm |
|---|---|---|
| – | 10 | 4,0 + 0,4 |
| 16S/15S | 16/15 | 6,0 + 0,5 |
| 12 | 25 | 6,0 + 0,5 |
| 8 | 60/100 | 11,0 + 0,8 – 0,4 |
| 4 | 160 | 11,0 + 0,8 – 0,4 |
| 0 | 500 | 13,0 + 0,8 – 0,4 |

## Separating and Mounting Dimensions

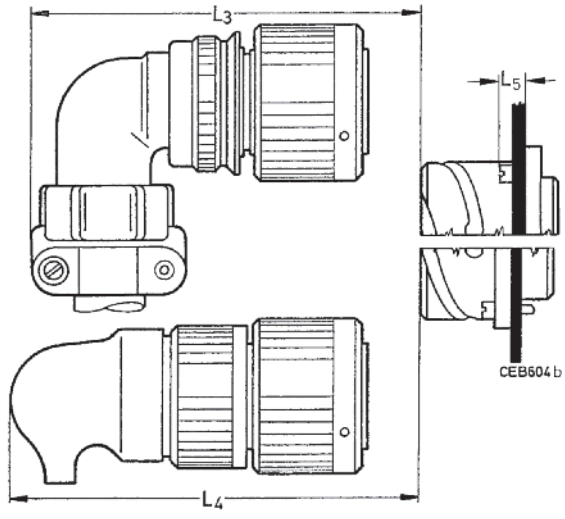
When using connectors according to VG95234 the below mentioned installation dimensions have to be met.

Connector style D
or
CA3106E-B and
CA3106F-B
CA3106F-B-13/-14/-15




Connector style G, M, R1
or
CA3106E-B-02/-03/-06
CA3106E-B-13/-14/-15 and
CA3106E-B-32
with shrink boot, straight,
acc. VG95343

Connector style E, E1 and K
or
CA3108E/F-B and
CA3108F-B-13/-14/-15

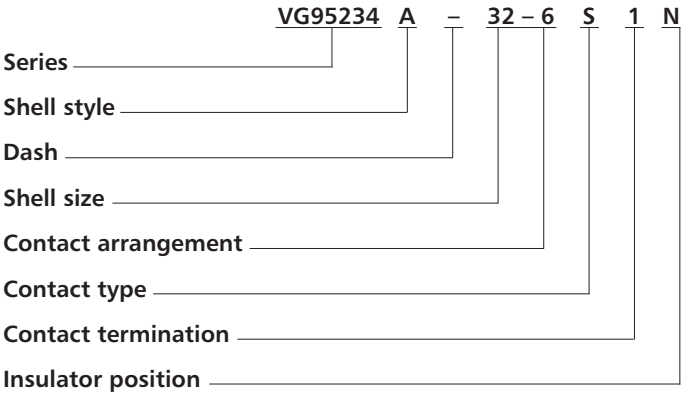



Connector style G, M, R1
or
CA3106E-B-02/-03/-06
CA3106E-B-32
with shrink boot 90°
acc. to VG 95343

| Shell Size | L1 (D) min. | L2 (G/M) min. | L3 min. | L4 (G/M) min. | L4 R1 +10 mm | L5 max. | L6 max. |
|---|---|---|---|---|---|---|---|
| 10SL | 70 | 70 | 70 | 65 | 75 | 8,0 | 3,5 |
| 12S | 70 | 75 | 75 | 70 | 80 | 8,0 | 3,5 |
| 14S | 70 | 75 | 75 | 70 | 80 | 8,0 | 3,5 |
| 16S | 70 | 90 | 80 | 80 | 90 | 8,0 | 3,5 |
| 16 | 80 | 100 | 90 | 90 | 100 | 6,5 | 3,5 |
| 18 | 90 | 100 | 90 | 90 | 100 | 8,0 | 3,5 |
| 20 | 90 | 100 | 95 | 100 | 110 | 8,0 | 3,5 |
| 22 | 90 | 100 | 95 | 100 | 110 | 8,0 | 3,5 |
| 24 | 110 | 120 | 105 | 110 | 120 | 8,0 | 5,0 |
| 28 | 110 | 120 | 105 | 110 | 120 | 9,0 | 5,0 |
| 32 | 110 | 180 | 115 | 120 | 130 | 9,0 | 6,0 |
| 36 | 110 | 190 | 120 | 130 | 140 | 9,0 | 6,0 |

# Cannon VG/CA-Bayonet

## How to order
**VG Order reference**




## Explanation

| | |
|---|---|
| **Series** | VG95234 |
| **Shell style** | J1, J2, N1, N2, S1, U1, U2 – wall mounting receptacle<br>F – cable connection plug<br>A, B1, B2 – box mounting receptacle<br>C1, C2 – bulkhead receptacle<br>D, G, H, L, M, R1, T – straight plug<br>E, E1, K – plug 90° |
| **Shell size** | 10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36 |
| **Contact arrangement** | see page 13 |
| **Contact type** | P – Pin contact<br>S – Socket contact |
| **Contact termination** | without identification – contacts for metric wire sizes identification 1* – contact for AWG wire sizes |
| **Insulator position** | see page 31 |

## Accessories acc. to VG

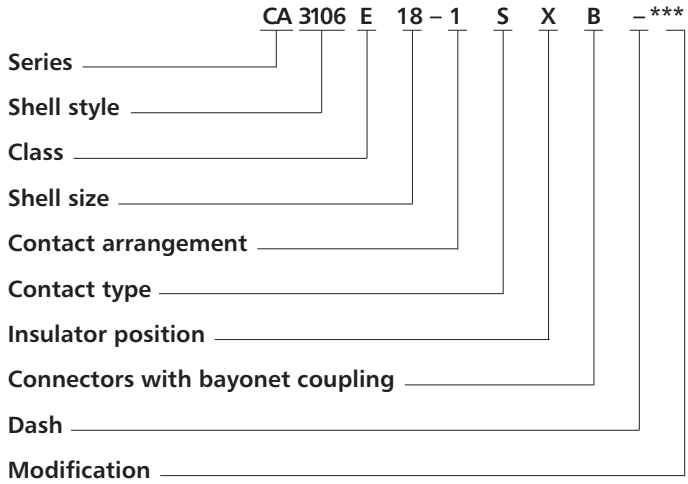
| | |
|---|---|
| Dummy receptacles | VG95234 BOD |
| Gaskets, front mount | VG95234 DA |
| Gaskets, rear mount | VG95234 DH |
| Protecting caps | VG95234 KR |
| Protecting caps | VG95234 KB |
| Cabel caps | VG95234 KK |
| Bushing | VG95234 KT |

* Only valid for layout within the VG95234.

Layout list permitting identification 1:

| Layout | Page Number |
|---|---|
| 22-2 | 18 |
| 24-9 | 19 |
| 24-11 | 19 |
| 24-12 | 20 |
| 28-22 | 22 |
| 32-1 | 22 |
| 32-6 | 23 |
| 36-3 | 24 |
| 36-5 | 24 |
| 36-6 | 24 |

## How to order
**Cannon Order reference**




## Explanation

| | |
|---|---|
| **Series** | CA – Circular connectors with bayonet coupling |
| **Shell style** | 3100 – Wall mounting receptacle<br>3101 – Cable connecting plug<br>3102 – Box mounting receptacle<br>3105 – Dummy receptacle for front and panel mounting<br>3106 – Plug, straight<br>3108 – Plug, 90°<br>TBF – Bulkhead receptacle |
| **Class** | E – environmental with resilient insulators and endbell with clamp and bushing<br>F – environmental with resilient insulator and endbell for flex tube<br>R – environmental with resilient insulator and shortened light-weight endbell without cable clamp<br>PG - PG gland adaptor environmental<br>ME - Metric gland adaptor environmental* |
| **Shell size** | 10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36 |
| **Contact arrangement** | see page 13 |
| **Contact type** | P – Pin<br>S – Socket<br>PS – one side pin, one side socket (only for TBF) |
| **Insulator position** | Besides the normal position further insulator positions are possible for Cannon connectors (see page 31) to prevent mismating. Polarization is achieved by turning the pin contact insulator clockwise towards the shell, the socket insulator, however, in opposite clockwise direction. This information refers to the mating side of the contact insulator. For special insert alternations of standard inserts see page 28. |
| **Modification** | see next page |

## Modification
(only for CA.....-B)

| | |
|---|---|
| 01 | – metric crimp contacts |
| 02 | – adapter for heat shrink boots AWG crimp contacts |
| 03 | – adapter for heat shrink boots, metric contacts |
| 04 | – rear mount, thread in flange, metric crimp contacts (CA3102 only) |
| 05 | – rear mount, through holes in flange, (CA3100, CA 3102, rear mounting CA 20, TBF) |
| 06 | – shrink boot adapter, solder pot contacts |
| 08 | – angular endbell, through holes in flange (for CA3100 only) |
| 09 | – angular endbell, through holes in flange (for CA3100 only) |
| 13 | – shielded version, solder contacts |
| 14 | – shielded version, metric crimp contacts |
| 15 | – shielded version, AWG crimp contacts |
| 32 | – shielded endbell, reduced cable entry diameter |
| 41 | – shielded version, grounding spring on barrel |
| 109 | – F80 contacts, rear mount, thread holes in flange (for CA3102 only) |
| 111 | – rear mount, thread holes (CA3102 only), solder contacts |
| F80 | – AWG crimp contacts |
| A176 | – gold plated contact, see pages 58-59 |
| A232 | – Zinc cobalt black plating |
| A233 | – Zinc cobalt green plating |
| A240 | – Zinc Nickel plating, blue iridescent |
| F42 | – less grommet and backshell |
| F0 | – less contacts, contacts to be ordered separately, see pages 58-61 |

## Important!

When connectors are requested according to VG95234 modification, e.g. with another finish, with other contact arrangements and solder contacts, they are to be ordered only with the ITT Cannon order reference.

Connectors acc. to VG95234 are generally available with insert positions X and Y only.

VG order reference with modification is not possible.

## With Spring Washer and Friction Ring

These connectors feature a spring washer and a friction ring under the coupling nut.

| | |
|---|---|
| Advantage | Vibrations are being compensated |
| Ordering example | according performance class insert „W" after Class E, F or R |
| CA06EW | – connector with spring washer, endbell with cable and bushing |
| CA06FW | – connector with spring washer, endbell for flex tube |
| CA06RW | – connector with spring washer and short endbell |
| CA08EW/FW | – connector with spring washer and 90° endbell |

The connectors acc. to **VG95234** are generally delivered **with spring washer**.

## Other Shell Styles

| | |
|---|---|
| CA3100E-B-02/03/06 | – adapter for heat shrink boot |
| CA3100F-B-08/09 | – 90° endbell for flex tube |
| CA3100E-B-08/09 | – 90° endbell, cable clamp and bushing |
| CA3100F-B-08/09 | – 90° endbell flex tube |
| CA02L-B | – receptacle with pcb solder contacts |
| CA20L-B | – rear mount receptacle with pcb solder contacts |
| CA06EH | – H stands for FKM insulator and sealing material. FKM is a high temperature material good for up to 200°C/392°F plus an extraordinary performance against oils of the various nature. (The full range of end bell styles can be utilized). |
| CA07A-B | – jam nut receptacle |
| CA00EP-B-TL | – TINEL-LOCK adapter, contact factory |
| CA06EW-B-TLXX | – TINEL-LOCK adapter, contact factory |

# Cannon VG/CA-Bayonet

## Contact Arrangements

| | View on Mating face of Pin Insulator | No. of Contacts | **Contact arrangement** Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3 | **10SL-3** 15S | **10SL-3** 16S | – A | 0 | – | – | – | – | – | – | – | 6 | 9 |
| | | 2 | **10SL-4** 15S | **10SL-4** 16S | A | 0 | – | – | – | – | – | – | – | 4 | 6 |
| ♦ | | 2 | – | **12S-3** 16S | A | 0 | 100 | 70 | 145 | 215 | 290 | – | – | 4 | 6 |
| | | 1 | – | **12S-4** 16S | D | 0 | – | – | – | – | – | – | – | 3 | 4,5 |
| | | 4 | – | **12SA10** 16S | Instr. | 0 | – | – | – | – | – | 3<br>8 | 110<br>250 | 6 | 8 |
| | | 3 | – | **14S-1** 16S | A | 0 | – | – | – | – | – | – | – | 6 | 9 |
| | | 4 | – | **14S-2** 16S | Instr. | 0 | – | – | 120 | 240 | – | – | – | 7 | 11 |
| | | 1 | – | **14S-4** 16S | D | 0 | – | – | – | – | – | – | – | 4 | 7 |
| | | 5 | – | **14S-5** 16S | Instr. | 0 | – | – | 110 | – | – | – | – | 9 | 13 |
| | | 6 | **14S-6** 15S | **14S-6** 16S | Instr. | 0 | – | – | – | – | – | – | – | 11 | 15 |
| ♦ | | 3 | – | **14S-7** 16S | A | 0 | – | 90 | 180 | 270 | – | | – | 6 | 9 |
| | | 2 | – | **14S-9** 16S | Instr. | 0 | – | 70 | 145 | 215 | 290 | – | – | 5 | 18 |
| | | 7 | – | **14SA7** 16S | Instr. | 0 | – | – | – | – | – | – | – | 10 | 15 |
| ♦ | | 7 | **16S-1** 15S | **16S-1** 16S | A | 0 | – | 80 | – | – | 280 | – | – | 14 | 19 |
| | | 2 | **16S-4** 15S | **16S-4** 16S | D | 0 | – | 35 | 110 | 250 | 325 | – | – | 7 | 10 |
| ♦ | | 3 | – | **16S-5** 16S | A | 0 | – | 70 | 145 | 215 | 290 | – | – | 8 | 12 |
| | | 5 | – | **16S-8** 16S | A | 0 | – | – | 170 | 265 | – | – | – | 10 | 15 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

Dimensions shown in mm

Specifications and dimensions subject to change

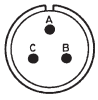
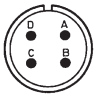
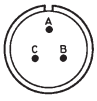
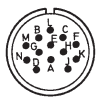
# Cannon VG/CA-Bayonet

| | View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3<br>2<br>1 | **16-7**<br>15<br>100 | **16-7**<br>16<br>8 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 16 | 25 |
| | | 4<br>2<br>2 | – | **16-9**<br>12<br>16 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 13 | 20 |
| ♦ | | 3 | **16-10**<br>25 | **16-10**<br>12 | A | 0 | – | 90 | 180 | 270 | – | – | – | 17 | 24 |
| | | 2 | – | **16-11**<br>12 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 11 | 17 |
| | | 1 | **16-12**<br>160 | **16-12**<br>4 | A | 0 | – | – | – | – | – | – | – | 24 | 28 |
| | | 2 | **16A11**<br>25 (socket)<br>25A (pin) short | **16A11**<br>12 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 11 | 17 |
| ♦ | | 10 | **18-1**<br>15 | **18-1**<br>16 | A (B, C, F, G) Instr. (all others) | 0 | – | 70 | 145 | 215* | 290 | – | – | 24 | 37 |
| | | 2 | – | **18-3**<br>12 | D | 0 | – | 35 | 110 | 250 | 325 | – | – | 13 | 22 |
| | | 4 | – | **18-4**<br>16 | D | 0 | – | 35 | 110 | 250 | 325 | – | – | 19 | 30 |
| | | 3<br>2<br>1 | – | **18-5**<br>12<br>16 | D | 0 | – | 80 | 110 | 250 | 280 | – | – | 15 | 25 |
| | | 1 | – | **18-6**<br>4 | D | 0 | – | – | – | – | – | – | – | 24 | 32 |
| | | 1 | – | **18-7**<br>8 | D | 0 | – | – | – | – | – | – | – | 16 | 25 |
| | | 8<br>1<br>7 | – | **18-8**<br>12<br>16 | A | 0 | – | 70 | – | – | 290 | – | – | 18 | 30 |
| | | 7<br>2<br>5 | 8-9<br>25<br>5 | **18-9**<br>12<br>16 | Instr. | 0 | – | 80 | 110 | 250 | 280 | – | – | 18 | 30 |
| | | 4 | – | **18-10**<br>12 | A | 0 | – | – | 120 | 240 | – | – | – | 13 | 22 |
| | | 5 | **18-11**<br>25 | **18-11**<br>12 | A | 0 | – | – | 170 | 265 | – | – | – | 31 | 40 |

*No good coding; mates with "0" positive easily.

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

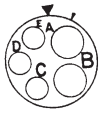
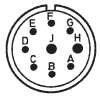
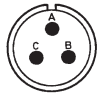
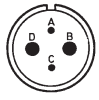
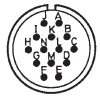
| View on Mating face of Pin Insulator | No. of Contacts | **Contact arrangement** Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | – | **18-12**<br>16 | A | 0 | – | 80 | – | – | 280 | – | – | 15 | 25 |
| ♦ | 4<br>1<br>3 | **18-13**<br>60<br>25 | **18-13**<br>8<br>12 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 15 | 24 |
| | 7<br>2<br>5 | – | **18-17**<br>12<br>16 | Instr. | 0 | – | – | – | – | – | 12 | 100 | 15 | 23 |
| | 10 | – | **18-19**<br>16 | A | 0 | – | – | 120 | 240 | – | – | – | 19 | 31 |
| | 5 | – | **18-20**<br>16 | A | 0 | – | 90 | 180 | 270 | | – | – | 15 | 25 |
| | 3 | – | **18-21**<br>12 | A | 0 | – | – | – | – | – | – | – | 17 | 28 |
| | 3 | – | **18-22**<br>16 | D | 0 | – | 70 | 145 | 215 | 290 | – | – | 10 | 20 |
| | 1 | **20-2**<br>500 | **20-2**<br>0 | D | 0 | – | – | – | – | – | – | – | 46 | 55 |
|  | 3 | – | **20-3**<br>12 | D | 0 | – | 70 | 145 | 215 | 290 | – | – | 28 | 42 |
|  | 4 | – | **20-4**<br>12 | D | 0 | – | 45 | 110 | 250 | – | – | 250<br>(20A37) | 24 | 40 |
|  | 3 | – | **20-6**<br>16 | D | 0 | – | – | – | – | – | – | – | 22 | 36 |
| | 8 | – | **20-7**<br>16 | A (C, D, E, F)<br>D (A, B, H, G) | 0 | – | 80 | 110 | 250 | 280 | – | – | 28 | 42 |
| | 6<br>2<br>4 | **20-8**<br>100<br>15 | **20-8**<br>8<br>16 | Instr. | 0 | – | 80 | 110 | 250 | 280 | – | – | 37 | 49 |
|  | 13 | – | **20-11**<br>16 | Instr. | 0 | – | – | – | – | – | – | – | 25 | 41 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

Dimensions shown in mm

Specifications and dimensions subject to change

# Cannon VG/CA-Bayonet

| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 5<br>3<br>2 | –<br>– | **20-14**<br>12<br>8 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 22 | 39 |
| | 7 | – | **20-15**<br>12 | A | 0 | – | 80 | – | – | 280 | – | – | 27 | 46 |
|  | 9<br>2<br>7 | – | **20-16**<br>12<br>16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 19 | 32 |
| | 6<br>5<br>1 | – | **20-17**<br>12<br>16 | A | 0 | – | 90 | 180 | 270 | – | – | – | 20 | 33 |
| | 9<br>3<br>6 | – | **20-18**<br>12<br>16 | A | – | – | 35 | 110 | 250 | 325 | – | – | 19 | 32 |
|  | 3 | – | **20-19**<br>8 | A | 0 | – | 90 | 180 | 270 | – | – | – | 33 | 46 |
| | 6<br>3<br>3 | – | **20-22**<br>8<br>16 | A | – | – | 80 | ♦ 110 | ♦ 250 | 280 | – | – | 37 | 49 |
| | 2 | – | **20-23**<br>8 | A | – | – | 35 | 110 | 250 | 325 | – | – | 25 | 35 |
|  | 4<br>2<br>2 | – | **20-24**<br>8<br>16 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 40 | 53 |
|  | 14 | – | **20-27**<br>16 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 26 | 42 |
| | 17 | – | **20-29**<br>16 | A | 0 | – | 80 | – | – | 280 | – | – | 29 | 47 |

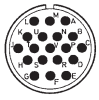
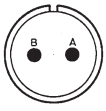
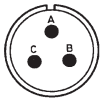
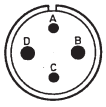
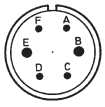
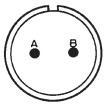
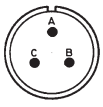
♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

ITT

Dimensions shown in mm

Specifications and dimensions subject to change

# Cannon VG/CA-Bayonet

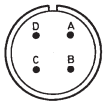
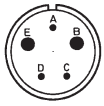
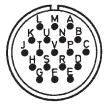
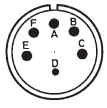
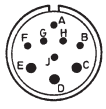
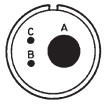
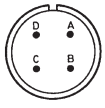
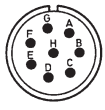
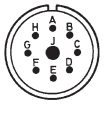
| View on Mating face of Pin Insulator | No. of Contacts | **Contact arrangement** Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | – | **20-33**<br>16 | A | 0 | – | – | – | – | 2<br>3<br>17 | 260<br>110<br>130 | – | 23 | 38 |
| | 9 | **20A9**<br>25 | **20A9**<br>12 | D (J) Instr. (all others) | 0 | – | – | 110 | 250 | – | – | – | 21 | 35 |
|  | 19 | **20A48**<br>15 | **20A48**<br>16 | Instr. | 0 | – | – | 80 | 280 | – | – | – | 30 | 50 |
|  | 2 | – | **22-1**<br>8 | D | 0 | – | 35 | 110 | 250 | 325 | – | – | 28 | 42 |
|  | 3 | **22-2**<br>8 | **22-2**<br>8 | D | 0 | – | 70 | 145 | 215 | 290 | – | – | 35 | 50 |
|  | 4<br>2<br>2 | – | **22-4**<br>8<br>12 | A | – | – | 35 | 110 | 250 | 325 | – | – | 34 | 48 |
|  | 6<br>2<br>4 | – | **22-5**<br>12<br>16 | D | – | – | 35 | 110 | 250 | 325 | – | – | 23 | 38 |
| | 1 | – | **22-7**<br>0 | E | 0 | – | – | – | – | – | – | – | 45 | 57 |
|  | 2 | –<br>– | **22-8**<br>12 | E | – | – | 35 | 110 | 250 | 325 | – | – | 18 | 28 |
|  | 3 | –<br>– | **22-9**<br>12 | E | 0 | – | 70 | 145 | 215 | 290 | – | – | 21 | 32 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

Dimensions shown in mm

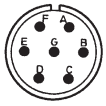
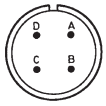
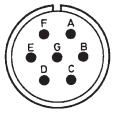
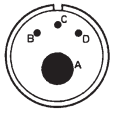
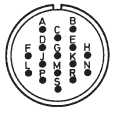
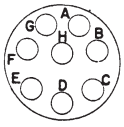
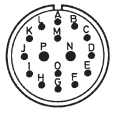
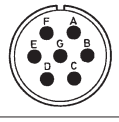
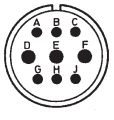
Specifications and dimensions subject to change

# Cannon VG/CA-Bayonet

| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 4 | – – | **22-10** 16 | E | – | – | 35 | 110 | 250 | 325 | – | – | 17 | 31 |
|  | 5 2 3 | **22-12** 100 15 | **22-12** 8 16 | D | 0 | – | 80 | 110 | 250 | 280 | – | – | 28 | 42 |
| ♦  | 19 | **22-14** 15 | **22-14** 16 | A | 0 | – | 80 | – | – | 280 | – | – | 30 | 50 |
|  | 6 5 1 | – | **22-15** 12 16 | A (A, B, C, E, F) E (D) | 0 | – | 80 | 110 | 250 | 280 | – | – | 30 | 50 |
|  | 9 3 6 | – | **22-16** 12 16 | A | 0 | – | 80 | 110 | 250 | 280 – | – | – | 28 | 45 |
| | 14 | – | **22-19** 16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 28 | 47 |
| | 9 | – | **22-20** 16 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 22 | 39 |
|  | 3 2 1 | – | **22-21** 16 0 | A | 0 | – | 80 | 110 | 250 | 280 – | – | – | 49 | 58 |
|  | 4 | **22-22** 100 | **22-22** 8 | A | 0 | – | – | 110 | 250 | – | – | – | 42 | 58 |
|  | 8 | – | **22-23** 12 | D (H) A (all others) | 0 | – | 35 | – | 250 | – | – | – | 34 | 54 |
|  | 9 1 8 | **22-27** 60 15 | **22-27** 8 16 | A (A to H) D (J) | 0 | – | 80 | – | 250 | 280 | – | – | 21 | 34 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

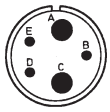
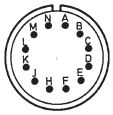
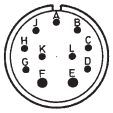
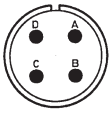
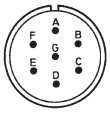
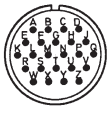
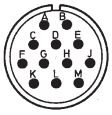
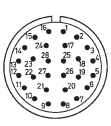
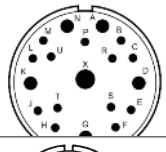
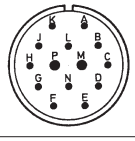
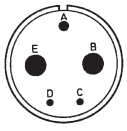
# Cannon VG/CA-Bayonet

| View on Mating face of Pin Insulator | No. of Contacts | **Contact arrangement** Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 7 | – | **22-28** 12 | A | – | – | 80 | – | – | 280 | – | – | 33 | 50 |
|  | 4 | **22B22** 60 | – | A | 0 | – | – | 110 | 250 | – | – | – | 42 | 58 |
|  | 7 | – | **24-2** 12 | D | 0 | – | 80 | – | – | 280 | – | – | 33 | 53 |
|  | 4<br>1<br>3 | – | **24-4**<br>0<br>16 | D | – | – | 80 | 110 | 250 | 280 | – | – | 51 | 63 |
|  | 16 | – | **24-5** 16 | A | – | – | 80 | 110 | 250 | 280 | – | – | 30 | 54 |
|  | 8<br>8 | – | **24-6** 12 | A<br>(B,C,D,E,F) | 0 | – | 80 | 110 | 250 | 280 | – | – | 32 | 41 |
|  | 16<br>2<br>14 | – | **24-7**<br>12<br>16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 45 | 65 |
| | 2 | **24-9** 4 | **24-9** 4 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 45 | 60 |
|  | 7 | **24-10** 100 | **24-10** 8 | A | 0 | – | 80 | – | – | 280 | – | – | 65 | 85 |
|  | 9<br>3<br>6 | **24-11**<br>100/8<br>25/12 | **24-11**<br>8<br>12 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 55 | 75 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

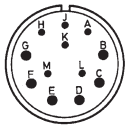
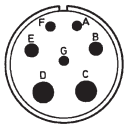
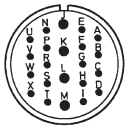
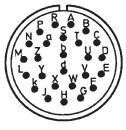
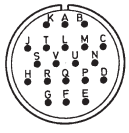
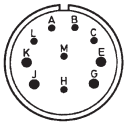
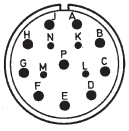
Dimensions shown in mm

Specifications and dimensions subject to change

| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 5<br>2<br>3 | **24-12**<br>4<br>12 | **24-12**<br>4<br>12 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 60 | 80 |
|  | 12 | – | **24-19**<br>16 | A | 0 | – | – | – | – | – | – | – | 28 | 47 |
|  | 11<br>2<br>9 | – | **24-20**<br>12<br>16 | D | 0 | – | 80 | 110 | 250 | 280 | – | – | 40 | 60 |
|  | 4 | – | **24-22**<br>8 | D | 0 | – | 45 | 110 | 250 | | – | – | 44 | 61 |
|  | 7 | – | **24-27**<br>16 | E | – | – | 80 | – | – | 280 | – | – | 21 | 37 |
|  | 24 | **24-28**<br>15 | **24-28**<br>16 | Instr. | 0 | – | 80 | 110 | 250 | 280 | – | – | 40 | 65 |
|  | 12 | – | **24A24**<br>12 | A | –<br>–<br>–<br>– | –<br>–<br>–<br>– | –<br>–<br>–<br>– | –<br>–<br>–<br>– | –<br>–<br>–<br>– | –<br>–<br>–<br>– | 2<br>4<br>9<br>12 | 260<br>80<br>280<br>100 | 46 | 71 |
|  | 28 | – | **24A28**<br>16 | Instr. | – | – | 65 | 146 | 235 | – | – | – | 42 | 75 |
|  | 19<br>13<br>5<br>1 | | **24A51**<br>16<br>12<br>8 | A | – | – | – | – | – | – | 14 | 30 | 60 | 70 |
|  | 14<br>12<br>2 | – | **28-2**<br>16<br>12 | D | – | – | 35 | 110 | 250 | 325 | – | – | 43 | 61 |
|  | 5<br>2<br>2<br>1 | – | **28-5**<br>4<br>16<br>12 | D | – | – | 35 | 110 | 250 | 325 | – | – | 60 | 70 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

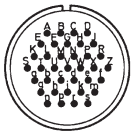
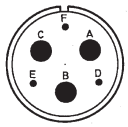
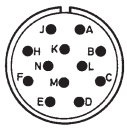
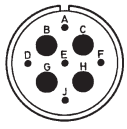
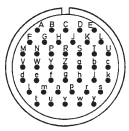
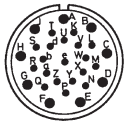
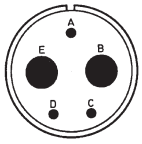
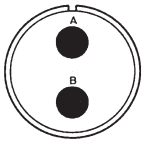
# Cannon VG/CA-Bayonet

| View on Mating face of Pin Insulator | No. of Contacts | **Contact arrangement** Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 12<br>6<br>6 | – | **28-9**<br>16<br>12 | D | – | – | 80 | 110 | 250 | 280 | – | – | 46 | 65 |
|  | 7<br>2<br>2<br>3 | – | **28-10**<br>4<br>8<br>12 | A (= A, B, C, D, E, F)<br>D (= G) | – | – | 80 | 110 | 250 | 280 | – | – | 80 | 91 |
|  | 22<br>4<br>18 | **28-11**<br>25<br>15 | **28-11**<br>12<br>16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 65 | 110 |
|  | 26 | – | **28-12**<br>16 | A | 0 | – | 90 | 180 | 270 | – | – | – | 47 | 77 |
| | 35 | – | **28-15**<br>16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 54 | 90 |
|  | 20 | – | **28-16**<br>16 | A (A-L)<br>D (M, N, P)<br>B (R) | 0 | – | 80 | 110 | 250 | 280 | – | – | 41 | 68 |
|  | 10<br>6<br>4 | – | **28-19**<br>16<br>12 | A (= C, E, G, J, K, L)<br>D = A, B<br>B = H, M | – | – | 80 | 110 | 250 | 280 | – | – | 40 | 58 |
|  | 14<br>10<br>4 | **28-20**<br>25<br>15 | **28-20**<br>12<br>16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 65 | 110 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

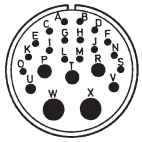
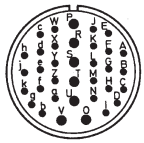
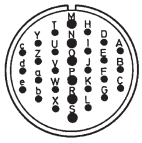
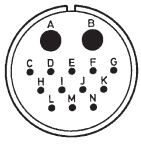
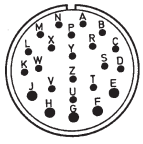
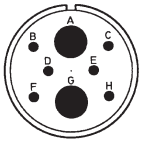
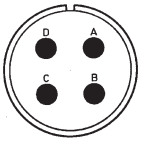
Dimensions shown in mm

Specifications and dimensions subject to change

| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 37 | **28-21** 15 | **28-21** 16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 58 | 93 |
|  | 6 3 3 | **28-22** 160/4 15/16 | **28-22** 4 16 | D | 0 | – | 70 | 145 | 215 | 290 | – | – | 80 | 120 |
| | All alternating insert position as above are permitted for VG95234 types. | | | | | | | | | | | | | |
|  | 12 | – | **28-51** 12 | D | – | – | 80 | 135 | 195 | – | – | – | 57 | 77 |
|  | 9 4 5 | – | **28A16** 4 16 | A (e) Instr. (all others) | 0 – – – | – – – – | – – – – | – – – – | – – – – | – – – – | 2 3 8 9 | 260 110 250 280 | 100 | 135 |
|  | 43 | – | **28A51** 16 | A | 0 – – – – | – – – – – | – – – – – | – – – – – | – – – – – | – – – – – | 3 4 8 9 12 | 110 80 250 280 100 | 64 | 107 |
|  | 28 9 19 | **28A63** 25 15 | **28A63** 12 16 | A | 0 | – | – | 100 | 260 | – | – | – | 85 | 135 |
|  | 5 2 3 | **32-1** 500/0 25/12 | **32-1** 0 12 | E (A) D (all others) | 0 | – | 80 | 110 | 250 | 280 | – | – | 130 | 155 |
|  | 2 | | **32-5** 0 | D | 0 | – | 35 | 110 | 250 | 325 | – | – | 86 | 114 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

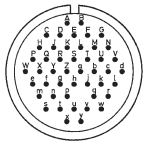
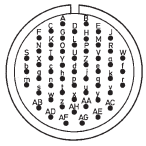
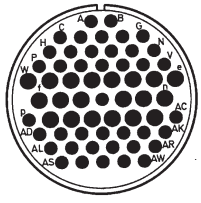
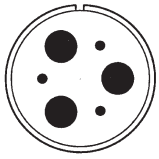
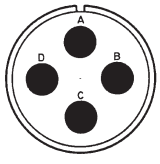
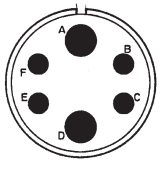
# Cannon VG/CA-Bayonet

| View on Mating face of Pin Insulator | No. of Contacts | **Contact arrangement** Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 23<br>2<br>3<br>2<br>16 | **32-6**<br>160/4<br>60/8<br>25/12<br>15/16 | **32-6**<br>4<br>8<br>12<br>16 | A | 0 | – | 80 | 110 | 250 | 280 | – | – | 130 | 170 |
|  | 35<br>7<br>28 | **32-7**<br>25<br>15 | **32-7**<br>12<br>16 | Instr.<br>(A, B, U, I.)<br>A (all others) | 0 | – | 80 | 125 | 235 | 280 | – | – | 110 | 160 |
|  | 30<br>6<br>24 | – | **32-8**<br>12<br>16 | A | 0 | – | 80 | 125 | 235 | 280 | – | – | 105 | 155 |
|  | 14<br>12<br>2 | – | **32-9**<br>16<br>4 | D | 0 | – | 80 | 110 | 250 | 280 | – | – | 79 | 130 |
|  | 23<br>5<br>18 | – | **32-13**<br>12<br>16 | D | 0 | – | 80 | 110 | 250 | 280 | – | – | 95 | 145 |
|  | 8<br>2<br>6 | – | **32-15**<br>0<br>12 | D | 0 | – | 35 | 110 | 250 | 325 | – | – | 140 | 165 |
|  | 4 | – | **32-17**<br>4 | D | 0 | – | 45 | 110 | 250 | – | – | – | 80 | 116 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

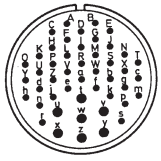
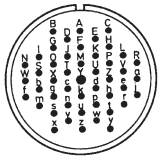
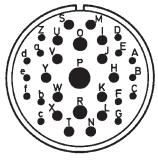
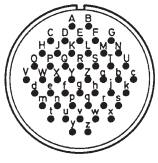
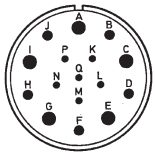
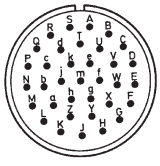
Dimensions shown in mm

Specifications and dimensions subject to change

| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 54 | – | **32A10** 16 | A | – – – – – – | – – – – – – | – – 80 – – – | – – 110 – – – | – – 250 – – – | – – 280 – – – | 2 3 4 8 9 12 | 260 110 80 250 280 100 | 89 | 132 |
|  | 47 | – | **32A47** 16 | A | – – – – – – | – – – – – – | – – – – – – | – – – – – – | – – – – – – | – – – – – – | 2 3 4 8 9 12 | 260 110 80 250 280 100 | 73 | 120 |
|  | 55 | | **32A55** 16 | A | – | – | 80 | 110 | 250 | 280 | – | – | 90 | 134 |
|  | 61<br>20<br>41 | **32A69**<br>15<br>10 | **32A69**<br>16<br>20 | Instr. | 0 | – | – | 110 | 250 | – | – | – | 49 | 84 |
| | Not for through-bulkhead receptacle C1 / C2. | | | | | | | | | | | | | |
|  | 6<br>3<br>3 | **36-3**<br>500/0<br>25/12 | **36-3**<br>0<br>12 | D | 0 | – | 70 | 145 | 215 | 290 | – | – | 165 | 200 |
| | All alternating insert position as above are permitted for VG95234 type. | | | | | | | | | | | | | |
|  | 4 | **36-5**<br>500/0 | **36-5**<br>0 | A | 0 | – | – | 120 | 240 | – | – | – | 152 | 181 |
|  | 6<br>4<br>2 | **36-6**<br>4<br>0 | **36-6**<br>4<br>0 | A | 0 | – | 35 | 110 | 250 | 325 | – | – | 155 | 173 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

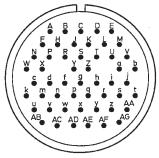
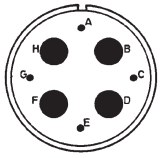
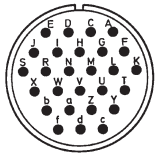
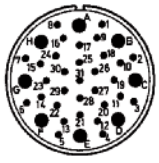
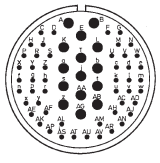
| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 47<br>7<br>40 | – | **36-7**<br>12<br>16 | A | – | – | 80 | 110 | 250 | 280 | – | – | 92 | 144 |
|  | 47<br>1<br>46 | – | **36-8**<br>12<br>16 | A | – | – | 80 | 110 | 250 | 280 | – | – | 80 | 132 |
|  | 31<br>14<br>14<br>2<br>1 | – | **36-9**<br>16<br>12<br>8<br>4 | A | 0 | – | 80 | 125 | 235 | 280 | – | – | 116 | 159 |
|  | 48 | **36-10**<br>15 | **36-10**<br>16 | A | 0 | – | 80 | 125 | 235 | 280 | – | – | 79 | 133 |
|  | 16<br>5<br>5<br>6 | – | **36-14**<br>8<br>12<br>16 | D | 0 | – | – | – | – | – | – | – | 150 | 230 |
|  | 35 | – | **36-15**<br>16 | D (m)<br>A (all others) | 0 | – | 60 | 125 | 245 | 305 | – | – | 70 | 111 |

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

Dimensions shown in mm

Specifications and dimensions subject to change

# Cannon VG/CA-Bayonet

| View on Mating face of Pin Insulator | No. of Contacts | Contact arrangement Contact size VG | CA | Service rating | Insulator position N | V | W | X | Y | Z | Position | Special polarization | Insulator weight (g) including contacts pin | socket |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 52 | – | **36A34** 16 | A | – | – | – | – | – | – | 2 | 260 | | |
| | | | | | – | – | – | – | – | – | 3 | 110 | | |
| | | | | | – | – | – | – | – | – | 4 | 80 | 83 | 139 |
| | | | | | – | – | – | – | – | – | 8 | 250 | | |
| | | | | | – | – | – | – | – | – | 9 | 280 | | |
| | | | | | – | – | – | – | – | – | 12 | 100 | | |
| | | | | | – | – | – | – | – | – | 20 | 220 | | |
|  | 8 | – | **36A35** | | | | | | | | | | | |
| | 4 | | 16 | A | – | – | – | – | – | – | 2 | 260 | 172 | 183 |
| | 4 | | 0 | | – | – | – | – | – | – | 3 | 110 | | |
| | | | | | – | – | – | – | – | – | 8 | 250 | | |
| | | | | | – | – | – | – | – | – | 9 | 280 | | |
|  | 27 | – | **36A46** 12 | A | – | – | – | – | – | – | 2 | 260 | | |
| | | | | | – | – | – | – | – | – | 3 | 110 | | |
| | | | | | – | – | – | – | – | – | 4 | 80 | 112 | 154 |
| | | | | | – | – | – | – | – | – | 8 | 250 | | |
| | | | | | – | – | – | – | – | – | 9 | 280 | | |
| | | | | | – | – | – | – | – | – | 12 | 100 | | |
|  | 39 | – | **36A98** | | | | | | | | | | | |
| | 8 | | 8 | A | 0 | – | – | 110 | – | – | – | – | 160 | 140 |
| | 31 | | 16 | | | | | | | | | | | |
| ♦  | 65 | – | **36A99** | | | | | | | | | | | |
| | 15 | | 16 | Instr. | – | – | 30 | 135 | – | – | – | – | 80 | 121 |
| | 50 | | 20* | | | | | | | | | | | |

* reduced contact termination 0,3 mm$^2$

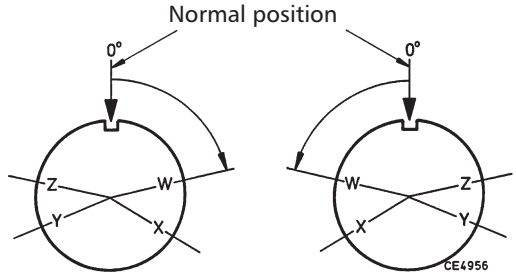
♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

## Alternate Insert Positions

Indicates location of centerline of key or keyway of shells in fixed normal position. Insert is rotated as shown by arrow and letters.

Connectors according to VG95234 are generally available with insert positions X and Y only.

Tolerances:
# 10SL-20: ± 2°
# 22-36: ± 1,5°
# 32A69: ± 1°




Pin
Mating face

Socket
Mating face

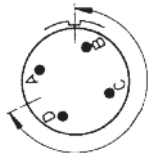
## Special Insert Alternations

Special insert alternations are marked by positions. The position number indicates the turning of the contact insert in the direction of the polarizing key in view of the mating or termination side of the socket insulator.

| Position | Polarization |
|---|---|
| 2 | 260° |
| 3 | 110° |
| 4 | 80° |
| 5 | use pos. 3 |
| 6 | 85° |
| 8 | 250° |
| 9 | 280° |
| 11 | 105° |
| 12 | 100° |
| 13 | use pos. 8 |
| 14 | 30° |
| 15 | 45° |
| 16 | 120° |
| 17 | 130° |
| 18 | 150° |
| 19 | 195° |
| 20 | 220° |
| 21 | 255° |
| 22 | 290° |
| 23 | 165° |
| 24 | 330° |
| 25 | 235° |
| 26 | 125° |

| Contact arrangement | Position of | Contact arrangement | Polarization |
|---|---|---|---|
| 12SA10 | 3 | 12SA10 | 110° |
| | 8 | 12SA10 | 250° |
| 18-17 | 12 | 18-9 | 100° |
| 24A24 | 2 | 24A24 | 260° |
| | 4 | 24A24 | 80° |
| | 9 | 24A24 | 280° |
| | 12 | 24A24 | 100° |
| 32-16 | 12 | 32-6 | 100° |

**Positions**
View shows mating side of pin or termination side of socket.




Insert positions are added without hyphen directly behind the contact type.

Example:
CA3106F32A10P2-B-01

## Contact Arrangements

| Contact arrangement | No. of contacts | Contact size 0 500 | 4 160 | 8 100 60 | 12 25 | 16 15 | 20 10 |
|---|---|---|---|---|---|---|---|
| **12S4** | 1 | | | | | 1 | |
| **14S4** | 1 | | | | | 1 | |
| **16-12** | 1 | | 1 | | | | |
| **18-6** | 1 | | 1 | | | | |
| **18-7** | 1 | | | 1 | | | |
| **20-2** | 1 | 1 | | | | | |
| **22-7** | 1 | 1 | | | | | |
| | | | | | | | |
| **10SL4** | 2 | | | | | 2 | |
| **14S9** | 2 | | | | | 2 | |
| **16S4** | 2 | | | | | 2 | |
| **16-11** | 2 | | | | 2 | | |
| **16A11** | 2 | | | | 2 | | |
| **18-3** | 2 | | | | 2 | | |
| **20-23** | 2 | | | 2 | | | |
| **22-1** | 2 | | | 2 | | | |
| **22-8** | 2 | | | | 2 | | |
| **24-9** | 2 | | 2 | | | | |
| **32-5** | 2 | 2 | | | | | |
| | | | | | | | |
| **10SL3** | 3 | | | | | 3 | |
| **14S1** | 3 | | | | | 3 | |
| **14S7** | 3 | | | | | 3 | |
| **16S5** | 3 | | | | | 3 | |
| **16-7** | 3 | | | 1 | | 2 | |
| **16-10** | 3 | | | | 3 | | |
| **18-5** | 3 | | | | 2 | 1 | |
| **18-21** | 3 | | | | 3 | | |
| **18-22** | 3 | | | | | 3 | |
| **20-6** | 3 | | | | | 3 | |
| **20-19** | 3 | | | 3 | | | |
| **22-2** | 3 | | | 3 | | | |
| **22-9** | 3 | | | 3 | | | |
| **22-21** | 3 | 1 | | | | 2 | |
| | | | | | | | |
| **12SA10** | 4 | | | | | 4 | |
| **14S2** | 4 | | | | | 4 | |
| **16-9** | 4 | | | | 2 | 2 | |
| **18-4** | 4 | | | | | 4 | |
| **18-10** | 4 | | | | 4 | | |
| **18-13** | 4 | | | 1 | 3 | | |
| **20-4** | 4 | | | | 4 | | |
| **20-24** | 4 | | | 2 | | 2 | |
| **22-4** | 4 | | | 2 | 2 | | |
| **22-10** | 4 | | | | | 4 | |
| **22-22** | 4 | | | 4 | | | |
| **22B22** | 4 | | | 4 | | | |
| **24-4** | 4 | 1 | | | | 3 | |
| **24-22** | 4 | | | 4 | | | |
| **32-17** | 4 | | 4 | | | | |
| **36-5** | 4 | 4 | | | | | |

| Contact arrangement | No. of contacts | Contact size 0 500 | 4 160 | 8 100 60 | 12 25 | 16 15 | 20 10 |
|---|---|---|---|---|---|---|---|
| **14S5** | 5 | | | | | 5 | |
| **16S8** | 5 | | | | | 5 | |
| **18-11** | 5 | | | | 5 | | |
| **18-20** | 5 | | | | | 5 | |
| **22-12** | 5 | | | 2 | | 3 | |
| **24-12** | 5 | | 2 | | 3 | | |
| **28-5** | 5 | | 2 | | 1 | 2 | |
| **32-1** | 5 | 2 | | | 3 | | |
| | | | | | | | |
| **14S6** | 6 | | | | | 6 | |
| **18-12** | 6 | | | | | 6 | |
| **20-8** | 6 | | | 2 | | 4 | |
| **20-22** | 6 | | | 3 | | 3 | |
| **22-5** | 6 | | | | 2 | 4 | |
| **22-15** | 6 | | | | 5 | 1 | |
| **28-22** | 6 | | 3 | | | 3 | |
| **36-3** | 6 | 3 | | | 3 | | |
| **36-6** | 6 | 2 | 4 | | | | |
| | | | | | | | |
| **14SA7** | 7 | | | | | 7 | |
| **16S1** | 7 | | | | | 7 | |
| **18-9** | 7 | | | | 2 | 5 | |
| **18-17** | 7 | | | | 2 | 5 | |
| **20-15** | 7 | | | | 7 | | |
| **22-28** | 7 | | | | 7 | | |
| **24-2** | 7 | | | | 7 | | |
| **24-10** | 7 | | | 7 | | | |
| **24-27** | 7 | | | | | 7 | |
| **28-10** | 7 | | 2 | 2 | 3 | | |
| | | | | | | | |
| **18-8** | 8 | | | | 1 | 7 | |
| **20-7** | 8 | | | | | 8 | |
| **22-23** | 8 | | | | 8 | | |
| **32-15** | 8 | 2 | | | 6 | | |
| **36A35** | 8 | 4 | | | | 4 | |
| **24-6** | 8 | | | | 8 | | |
| **20-16** | 9 | | | | 2 | 7 | |
| **20-18** | 9 | | | | 3 | 6 | |
| **20A9** | 9 | | | | 9 | | |
| **22-16** | 9 | | | | 3 | 6 | |
| **22-20** | 9 | | | | | 9 | |
| **22-27** | 9 | | | 1 | | 8 | |
| **24-11** | 9 | | | 3 | 6 | | |
| **28A16** | 9 | | 4 | | | 5 | |
| | | | | | | | |
| **18-1** | 10 | | | | | 10 | |
| **18-19** | 10 | | | | | 10 | |
| **28-19** | 10 | | | | 4 | 6 | |
| | | | | | | | |
| **20-33** | 11 | | | | | 11 | |
| **24-20** | 11 | | | | 2 | 9 | |

## Contact Arrangements

| Contact arrangement | No. of contacts | Contact size 0 500 | 4 160 | 8 100 60 | 12 25 | 16 15 | 20 10 |
|---|---|---|---|---|---|---|---|
| **24-19** | 12 | | | | | 12 | |
| **24A24** | 12 | | | | 12 | | |
| **28-9** | 12 | | | | 6 | 6 | |
| **28-51** | 12 | | | | 12 | | |
| | | | | | | | |
| **20-11** | 13 | | | | | 13 | |
| | | | | | | | |
| **20-27** | 14 | | | | | 14 | |
| **22-19** | 14 | | | | | 14 | |
| **28-2** | 14 | | | | 2 | 12 | |
| **28-20** | 14 | | | | 10 | 4 | |
| **32-9** | 14 | 2 | | | | 12 | |
| | | | | | | | |
| **24-5** | 16 | | | | | 16 | |
| **24-7** | 16 | | | | 2 | 14 | |
| **36-14** | 16 | | | 5 | 5 | 6 | |
| | | | | | | | |
| **20-29** | 17 | | | | | 17 | |
| | | | | | | | |
| **20A48** | 19 | | | | | 19 | |
| **22-14** | 19 | | | | | 19 | |
| | | | | | | | |
| **28-16** | 20 | | | | | 20 | |
| | | | | | | | |
| **28-11** | 22 | | | | 4 | 18 | |
| | | | | | | | |
| **32-6** | 23 | | 2 | 3 | 2 | 16 | |
| **32-13** | 23 | | | | 5 | 18 | |
| | | | | | | | |
| **24-28** | 24 | | | | | 24 | |
| | | | | | | | |
| **28-12** | 26 | | | | | 26 | |
| | | | | | | | |
| **36A46** | 27 | | | | 27 | | |
| | | | | | | | |
| **24A28** | 28 | | | | | 28 | |
| **28A63** | 28 | | | | 9 | 19 | |
| | | | | | | | |
| **32-8** | 30 | | | | 6 | 24 | |
| | | | | | | | |
| **36-9** | 31 | | 1 | 2 | 14 | 14 | |
| | | | | | | | |
| **28-15** | 35 | | | | | 35 | |
| **32-7** | 35 | | | | 7 | 28 | |
| **36-15** | 35 | | | | | 35 | |
| | | | | | | | |
| **28-21** | 37 | | | | | 37 | |
| | | | | | | | |
| **36A98** | 39 | | | 8 | | 31 | |

| Contact arrangement | No. of contacts | Contact size 0 500 | 4 160 | 8 100 60 | 12 25 | 16 15 | 20 10 |
|---|---|---|---|---|---|---|---|
| **28A51** | 43 | | | | | 43 | |
| | | | | | | | |
| **32A47** | 47 | | | | | 47 | |
| **36-7** | 47 | | | | 7 | 40 | |
| **36-8** | 47 | | | | 1 | 46 | |
| | | | | | | | |
| **36-10** | 48 | | | | | 48 | |
| | | | | | | | |
| **36A34** | 52 | | | | | 52 | |
| | | | | | | | |
| **32A10** | 54 | | | | | 54 | |
| | | | | | | | |
| **32A55** | 55 | | | | | 55 | |
| | | | | | | | |
| **32A69** | 61 | | | | | 20 | 41 |
| | | | | | | | |
| **36A99** | 65 | | | | | 15 | 50 |

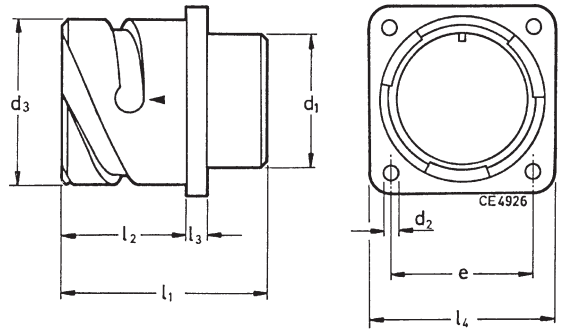
## Contact Dimensions

## Box Mounting Receptacle

### VG95234 – Style A

**CA 3102E-B** and Modifications, see page 12

Receptacle for front panel mounting with square flange.
Threaded holes in flange not possible.



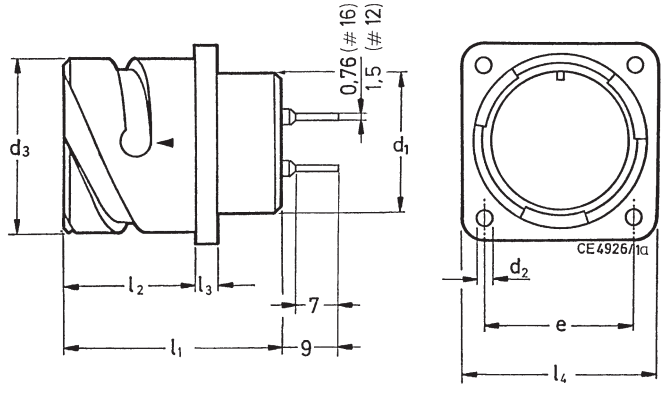

| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$ H13 | $d_3$ –0,15 | $l_1$ ±0,3 | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|
| VG95234A-10SL | CA3102E10SL-**-B | 16,2 | 3,2 | 18,2 | 24,7 | 14,2 | 2,8 | 25,4 | 12 |
| – | CA3102E12S-**-B | 16,2 | 3,2 | 21,4 | 24,7 | 14,2 | 3,2 | 28,0 | 15 |
| VG95234A-14S | CA3102E14S-**-B | 19,2 | 3,2 | 24,6 | 24,7 | 14,2 | 3,2 | 30,0 | 17 |
| VG95234A-16S | CA3102E16S-**-B | 22,4 | 3,2 | 27,4 | 24,7 | 14,2 | 3,2 | 32,5 | 19 |
| VG95234A-16 | CA3102E16-**-B | 22,4 | 3,2 | 27,4 | 33,8 | 19,0 | 3,2 | 32,5 | 22 |
| VG95234A-18 | CA3102E18-**-B | 25,6 | 3,2 | 30,8 | 33,8 | 19,0 | 4,0 | 35,0 | 28 |
| VG95234A-20 | CA3102E20-**-B | 29,0 | 3,2 | 34,2 | 33,8 | 19,0 | 4,0 | 38,0 | 33 |
| VG95234A-22 | CA3102E22-**-B | 32,2 | 3,2 | 37,4 | 33,8 | 19,0 | 4,0 | 41,0 | 38 |
| VG95234A-24 | CA3102E24-**-B | 35,3 | 3,7 | 40,9 | 33,8 | 20,6 | 4,0 | 44,5 | 46 |
| VG95234A-28 | CA3102E28-**-B | 41,4 | 3,7 | 46,7 | 33,8 | 20,6 | 4,0 | 50,8 | 52 |
| VG95234A-32 | CA3102E32-**-B | 47,8 | 4,3 | 53,4 | 33,8 | 22,2 | 4,0 | 57,0 | 64 |
| VG95234A-36 | CA3102E36-**-B | 52,6 | 4,3 | 59,6 | 33,8 | 22,2 | 4,0 | 63,5 | 80 |

[1] Weight without insulator

CA02L-B designates a receptacle for front panel mounting with solder pin contacts to solder into printed circuits. All pattern drawings upon request. For all other dimensions see above table.

For contact arrangements with #16 and #12 contacts only.

#12 contacts available upon request.



## Box Mounting Receptacle

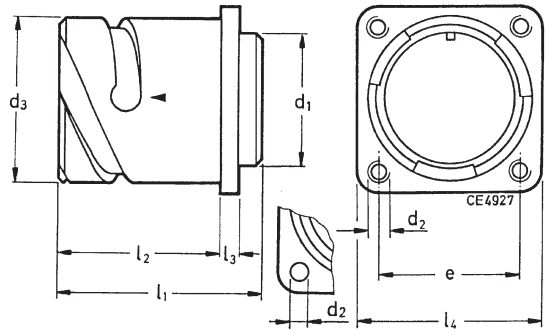
**VG95234 Style B1** (with threaded holes in flange)

**CA3102-B** and Modifications, e g **-04, -109** or **-111**

**CA3102-B** designates a receptacle with square flange for rear panel mounting.

**VG95234** Style **B2** (with through holes in flange)

**CA3102E-B** and Modifications, see page 12




Style B2

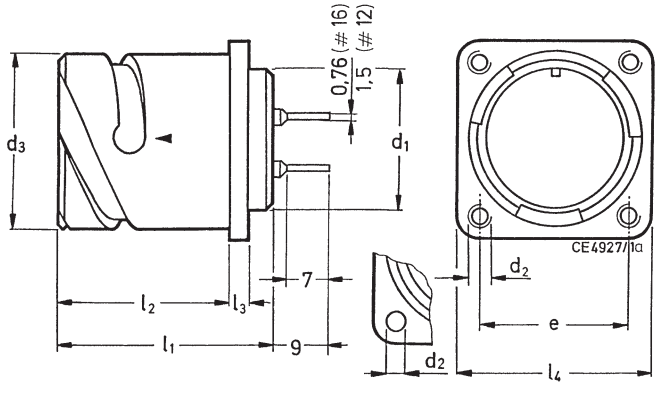
| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$ B1 H13 | B2 | $d_3$ –0,15 | $l_1$ ±0,3 | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|
| VG95234XX-10SL-* | CA3102E10SL-*B-*** | 16,2 | M4 | 3,2 | 18,2 | 24,7 | 18,2 | 2,8 | 25,4 | 14 |
| – | CA3102E12S-*B-*** | 16,2 | M4 | 3,2 | 21,4 | 24,7 | 18,2 | 3,2 | 28,0 | 18 |
| VG95234XX-14S-* | CA3102E14S-*B-*** | 19,2 | M4 | 3,2 | 24,6 | 24,7 | 18,2 | 3,2 | 30,0 | 21 |
| CG95234XX-16S-* | CA3102E16S-*B-*** | 22,4 | M4 | 3,2 | 27,4 | 24,7 | 18,2 | 3,2 | 32,5 | 22 |
| VG95234XX-16-* | CA3102E16-*B-*** | 22,4 | M4 | 3,2 | 27,4 | 33,8 | 23,05 | 3,2 | 32,5 | 27 |
| VG95234XX-18-* | CA3102E18-*B-*** | 25,6 | M4 | 3,2 | 30,8 | 33,8 | 23,05 | 4,0 | 35,0 | 33 |
| VG95234XX-20-* | CA3102E20-*B-*** | 29,0 | M4 | 3,2 | 34,2 | 33,8 | 23,05 | 4,0 | 38,0 | 37 |
| VG95234XX-22-* | CA3102E22-*B-*** | 32,2 | M4 | 3,2 | 37,4 | 33,8 | 23,05 | 4,0 | 41,0 | 42 |
| VG95234XX-24-* | CA3102E24-*B-*** | 35,3 | M4 | 3,7 | 40,9 | 33,8 | 23,05 | 4,0 | 44,5 | 48 |
| VG95234XX-28-* | CA3102E28-*B-*** | 41,4 | M5 | 3,7 | 46,7 | 33,8 | 24,05 | 4,0 | 50,8 | 58 |
| VG95234XX-32-* | CA3102E32-*B-*** | 47,8 | M5 | 4,3 | 53,4 | 33,8 | 24,05 | 4,0 | 57,0 | 72 |
| VG95234XX-36-* | CA3102E36-*B-*** | 54,1 | M5 | 4,3 | 59,6 | 33,8 | 24,05 | 4,0 | 63,5 | 84 |

[1] Weight without insulator

CA20L-B designates a receptacle for rear panel mounting with solder pin contacts to solder into printed circuits. All pattern drawings upon request. For all other dimensions see above table.

For contact arrangements with #16 and #12 contacts only.

#12 contacts available upon request.



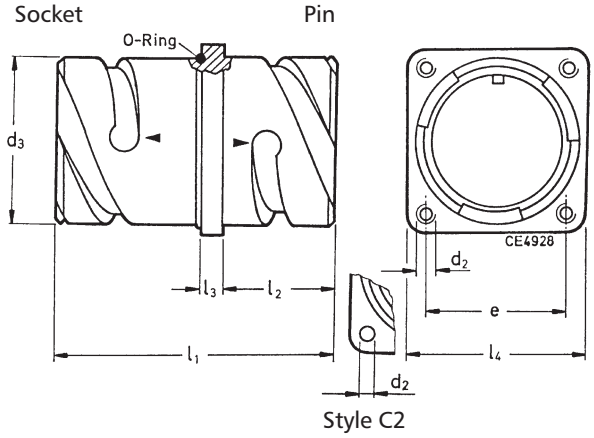

Mod. -05

## Thru-Bulkhead Receptacle

**VG95234 Style C1** resp. **TBF-B** (with threaded holes)
**VG95234 Style C2** resp **TBF-B-05** (with flange through holes)

TBF-B designates a bulkhead receptacle with mounting flange.

Modifications see page 12



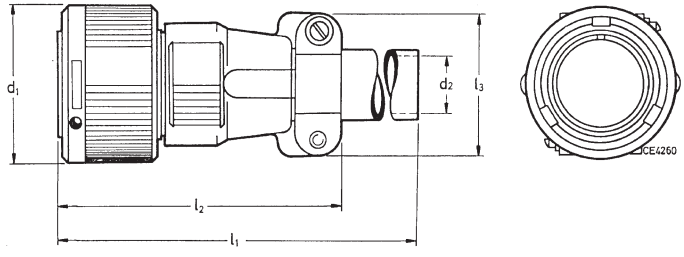

| VG95234 Part no. | Cannon Part no. | $d_2$ C1 | C2 H13 | $d_2$ –0,15 | e ±0,1 | $l_1$ ±0,7 | $l_2$ +0,3 | $l_3$ ±0,2 | $l_4$ ±0,3 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|
| VG95234XX-10SL-* | TBF10SL-*B-*** | M4 | 3,2 | 18,2 | 18,2 | 37,5 | 14,2 | 2,8 | 25,4 | 17 |
| – | TBF12S-*B-*** | M4 | 3,2 | 21,4 | 20,6 | 37,5 | 14,2 | 3,2 | 28,0 | 24 |
| VG95234XX-14S-* | TBF14S-*B-*** | M4 | 3,2 | 24,6 | 23,0 | 37,5 | 14,2 | 3,2 | 30,0 | 29 |
| CG95234XX-16S-* | TBF16S-*B-*** | M4 | 3,2 | 27,4 | 24,6 | 37,5 | 14,2 | 3,2 | 32,5 | 34 |
| VG95234XX-16-* | TBF16-*B-*** | M4 | 3,2 | 27,4 | 24,6 | 51,4 | 19,0 | 3,2 | 32,5 | 41 |
| VG95234XX-18-* | TBF18-*B-*** | M4 | 3,2 | 30,8 | 27,0 | 51,4 | 19,0 | 4,0 | 35,0 | 49 |
| VG95234XX-20-* | TBF20-*B-*** | M4 | 3,2 | 34,2 | 29,4 | 51,4 | 19,0 | 4,0 | 38,0 | 56 |
| VG95234XX-22-* | TBF22-*B-*** | M4 | 3,2 | 37,4 | 31,8 | 51,4 | 19,0 | 4,0 | 41,0 | 61 |
| VG95234XX-24-* | TBF24-*B-*** | M4 | 3,7 | 40,9 | 34,9 | 51,4 | 20,6 | 4,0 | 44,5 | 65 |
| VG95234XX-28-* | TBF28-*B-*** | M5 | 3,7 | 46,7 | 39,7 | 51,4 | 20,6 | 4,0 | 50,8 | 76 |
| VG95234XX-32-* | TBF32-*B-*** | M5 | 4,3 | 53,4 | 44,5 | 51,4 | 22,2 | 4,0 | 57,0 | 92 |
| VG95234XX-36-* | TBF36-*B-*** | M5 | 4,3 | 59,6 | 49,2 | 51,4 | 22,2 | 4,0 | 63,5 | 103 |

[1] Weight without insulator, grommets and contacts.

## Straight Plug

**CA3106E-B** designates a straight plug with endbell, cable clamp and telescoping bushing

**VG95234** Style **D** resp.
**CA3106E-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$[2] max. | $l_1$ max. | $l_2$ max. | $l_3$ max. | $l_4$ max. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|
| VG95234D-10SL-* | CA3106E10SL-**B-*** | 22,8 | 6,5 | 115 | 55 | 22,7 | 22,7 | 30 |
| | CA3106E12S-**B-*** | 26,0 | 6,5 | 115 | 55 | 22,7 | 22,7 | 37 |
| VG95234D-14S-* | CA3106E14S-**B-*** | 29,2 | 9,0 | 115 | 60 | 27,5 | 27,5 | 44 |
| VG95234D-16S-* | CA3106E16S-**B-*** | 32,0 | 11,0 | 115 | 60 | 30,0 | 30,0 | 54 |
| VG95234D-16-* | CA3106E16-**B-*** | 32,0 | 11,0 | 120 | 70 | 30,0 | 30,0 | 62 |
| VG95234D-18-* | CA3106E18-**B-*** | 36,5 | 14,2 | 120 | 75 | 33,0 | 33,0 | 70 |
| VG95234D-20-* | CA3106E20-**B-*** | 39,9 | 15,8 | 120 | 75 | 37,5 | 37,5 | 85 |
| VG95234D-22-* | CA3106E22-**B-*** | 43,1 | 15,8 | 120 | 75 | 37,5 | 37,5 | 92 |
| VG95234D-24-* | CA3106E24-**B-*** | 46,6 | 21,4 | 120 | 90 | 43,3 | 43,3 | 127 |
| VG95234D-28-* | CA3106E28-**B-*** | 53,4 | 21,4 | 120 | 90 | 48,0 | 43,3 | 154 |
| VG95234D-32-* | CA3106E32-**B-*** | 60,1 | 26,7 | 120 | 90 | 55,0 | 51,7 | 199 |
| VG95234D-36-* | CA3106E36-**B-*** | 66,3 | 31,7 | 130 | 100 | 58,0 | 58,0 | 260 |

[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

Dimensions shown in mm
Specifications and dimensions subject to change

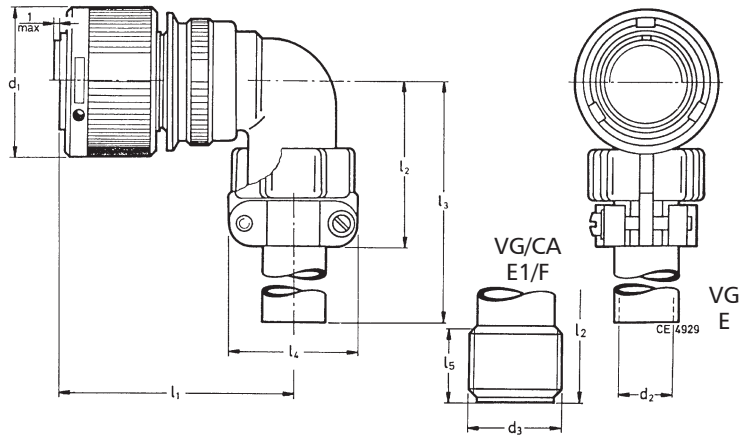
## Plug 90°

**VG95234 Style E1** (with flex tube)
CA 3108 F-B and Modifications, see page 9

**CA3108E/F** designates a plug 90°, which is available with cable clamp and bushing (E) or with flex tube termination (F)

**VG95234** Style **E** (with cable clamp and telescoping bushing)

**CA 3108E-B** and Modifications, see page 12




| VG 95 234 Part no. | Cannon Part no. | $d_3$-Thread Style E1 CA3108F | $d_1$ max. | $d_2$[2] max. | $l_1$ max. | $l_2$ max. | $l_3$ max. | | $l_4$ max. | $l_5$ | Weight[1] g | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | E | E1 | E | | | E | E1 |
| VG95234XX-10SL-* | CA3108X10SL-**B-*** | 5/8-24NEF-2A | 22,8 | 6,5 | 45 | 42 | 30 | 100 | 22,7 | 9,4 | 37 | 27 |
| – | CA3108X12S-**B-*** | 5/8-24NEF-2A | 26,0 | 6,5 | 45 | 42 | 30 | 100 | 22,7 | 9,4 | 45 | 35 |
| VG95234XX-14S-* | CA3108X14S-**B-*** | 3/4-20UNEF-2A | 29,2 | 9,0 | 47 | 42 | 30 | 100 | 27,5 | 9,4 | 58 | 43 |
| VG95234XX-16S-* | CA3108X16S-**B-*** | 7/8-20UNEF-2A | 32,0 | 11,0 | 48 | 45 | 30 | 100 | 30,0 | 9,4 | 68 | 48 |
| VG95234XX-16-* | CA3108X16-**B-*** | 7/8-20UNEF-2A | 32,0 | 11,0 | 57 | 45 | 30 | 100 | 30,0 | 9,4 | 78 | 58 |
| VG95234XX-18-* | CA3108X18-**B-*** | 1-20UNEF-2A | 36,5 | 14,2 | 58 | 53 | 35 | 100 | 33,0 | 9,4 | 90 | 58 |
| VG95234XX-20-* | CA3108X20-**B-*** | 1 3/16-18UNEF-2A | 39,9 | 15,8 | 61 | 53 | 35 | 100 | 37,5 | 9,4 | 109 | 74 |
| VG95234XX-22-* | CA3108X22-**B-*** | 1 3/16-18UNEF-2A | 43,1 | 15,8 | 61 | 53 | 35 | 100 | 37,5 | 9,4 | 113 | 78 |
| VG95234XX-24-* | CA3108X24-**B-*** | 1 7/16-18UNEF-2A | 46,6 | 21,4 | 66 | 58 | 40 | 100 | 43,3 | 9,4 | 159 | 104 |
| VG95234XX-28-* | CA3108X28-**B-*** | 1 7/16-18UNEF-2A | 53,4 | 21,4 | 66 | 58 | 40 | 100 | 43,3 | 9,4 | 181 | 126 |
| VG95234XX-32-* | CA3108X32-**B-*** | 1 3/4 -18UNS-2A | 60,1 | 26,7 | 72 | 66 | 45 | 110 | 51,7 | 11,0 | 245 | 160 |
| VG95234XX-36-* | CA3108 36-**B-*** | 2 -18UNS-2A | 66,3 | 31,7 | 75 | 69 | 50 | 110 | 58,0 | 12,6 | 300 | 190 |

[1] Weight without insulator, grommets and contacts.

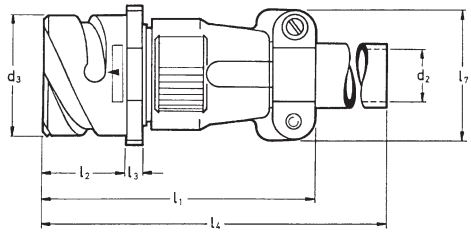
[2] For max. cable entry.

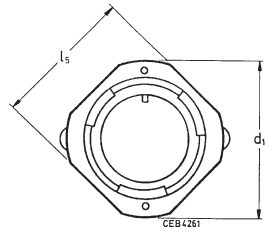
## Straight Plug

### VG95234 Style F

**CA3101E-B** designates a cable connection plug with cable clamp and and telescoping bushing

**CA 3101E-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$[2] | $d_3$ -0,15 | $l_1$ max. | $l_2$ ±0,1 | $l_3$ ±0,2 | $l_4$ max. | $l_5$ ±0,2 | $l_7$ max. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VG95234F-10SL-* | CA3101E10SL-**B-*** | 25,2 | 6,5 | 18,2 | 57 | 18,2 | 2,8 | 120 | 20,6 | 22,7 | 35 |
| – | CA3101E12S-**B-*** | 27,8 | 6,5 | 21,4 | 57 | 18,2 | 3,2 | 120 | 23,6 | 22,7 | 43 |
| VG95234F-14S-* | CA3101E14S-**B-*** | 29,8 | 9,0 | 24,6 | 59 | 18,2 | 3,2 | 120 | 25,4 | 27,5 | 50 |
| VG95234F-16S-* | CA3101E16S-**B-*** | 32,3 | 11,0 | 27,4 | 60 | 18,2 | 3,2 | 120 | 28,6 | 30,0 | 60 |
| VG95234F-16-* | CA3101E16-**B-*** | 32,3 | 11,0 | 27,4 | 68 | 23,05 | 3,2 | 125 | 28,6 | 30,0 | 65 |
| VG95234F-18-* | CA3101E18-**B-*** | 34,8 | 14,2 | 30,8 | 72 | 23,05 | 4,0 | 125 | 31,7 | 33,0 | 80 |
| VG95234F-20-* | CA3101E20-**B-*** | 37,8 | 15,8 | 34,2 | 72 | 23,05 | 4,0 | 125 | 34,9 | 37,5 | 95 |
| VG95234F-22-* | CA3101E22-**B-*** | 41,1 | 15,8 | 37,4 | 72 | 23,05 | 4,0 | 125 | 38,1 | 37,5 | 105 |
| VG95234F-24-* | CA3101E24-**B-*** | 44,6 | 21,4 | 40,9 | 78 | 23,05 | 4,0 | 125 | 41,3 | 43,3 | 140 |
| VG95234F-28-* | CA3101E28-**B-*** | 50,9 | 21,4 | 46,7 | 79 | 24,05 | 4,0 | 125 | 47,6 | 43,3 | 160 |
| VG95234F-32-* | CA3101E32-**B-*** | 57,1 | 26,7 | 53,4 | 78 | 24,05 | 4,0 | 125 | 54,0 | 51,7 | 205 |
| VG95234F-36[*]-* | CA3101E36[*]-**B-*** | 63,6 | 31,7 | 59,6 | 78 | 24,05 | 4,0 | 135 | 60,6 | 58,0 | 270 |

[1] Weight without insulator, grommets and contacts.
[*] For contact insert 36-5P a support washer is included.

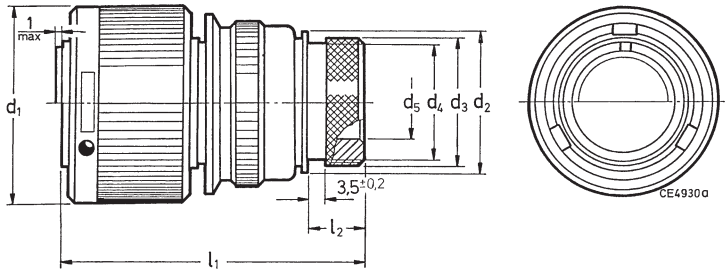
[2] For max. cable entry.

## Straight Plug

### VG95234 – Style G

**CA3106E-B, -02, -03** or **-06** designates a straight plug with adapter for heat shrinkable boots

**CA3106E-B** and Modificationes, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$ ±0,2 | $d_3$ ±0,2 | $d_4$ max. | $d_5$ min. | $l_1$ max. | $l_2$ ±0,5 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|
| VG95234G-10SL-* | CA3106E10SL-**B-*** | 22,8 | 17,0 | 15,5 | 13,3 | 7,7 | 50 | 11,7 | 24 |
| – | CA3106E12S-**B-*** | 26,0 | 17,8 | 15,5 | 13,3 | 7,9 | 50 | 11,7 | 35 |
| VG95234G-14S-* | CA3106E14S-**B-*** | 29,2 | 20,1 | 19,1 | 17,0 | 10,6 | 50 | 11,7 | 41 |
| VG95234G-16S-* | CA3106E16S-**B-*** | 32,0 | 23,5 | 23,9 | 21,9 | 13,5 | 50 | 11,7 | 51 |
| VG95234G-16-* | CA3106E16-**B-*** | 32,0 | 23,5 | 23,9 | 21,9 | 13,5 | 60 | 11,7 | 58 |
| VG95234G-18-* | CA3106E18-**B-*** | 36,5 | 26,5 | 23,9 | 21,9 | 14,6 | 60 | 11,7 | 65 |
| VG95234G-20-* | CA3106E20-**B-*** | 39,9 | 30,2 | 29,6 | 26,2 | 18,7 | 65 | 12,7 | 75 |
| VG95234G-22-* | CA3106E22-**B-*** | 43,1 | 33,6 | 29,6 | 26,2 | 20,8 | 65 | 12,7 | 80 |
| VG95234G-24-* | CA3106E24-**B-*** | 46,6 | 38,1 | 37,8 | 34,5 | 24,6 | 65 | 12,7 | 95 |
| VG95234G-28-* | CA3106E28-**B-*** | 53,4 | 41,4 | 37,8 | 34,5 | 27,0 | 65 | 12,7 | 120 |
| VG95234G-32-* | CA3106E32-**B-*** | 60,1 | 48,6 | 47,8 | 43,6 | 33,3 | 70 | 15,2 | 165 |
| VG95234G-36-* | CA3106E36-**B-*** | 66,3 | 54,8 | 47,8 | 43,6 | 38,5 | 80 | 15,2 | 180 |

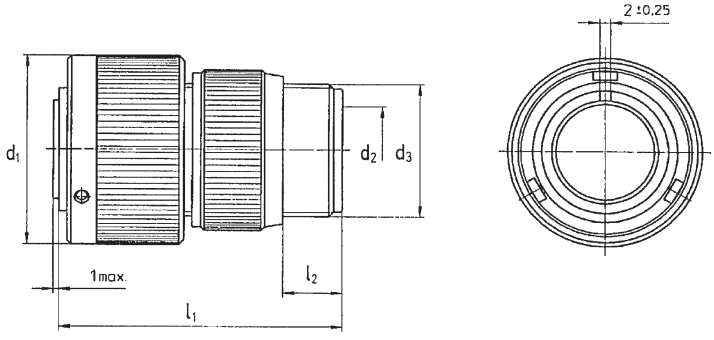
[1] Weight without insulator, grommets and contacts.

## Straight Plug

**VG95234** Style **H**

**CA3106-F-B** designates a straight plug for flex tube

**CA3106-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_3$-Thread | $d_1$ max. | $d_{2a}$[2] | $l_1$ max. | $l_2$ min. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|
| VG95234H-10SL-* | CA3106F10SL-**B-*** | 5/8-24NEF-2A | 22,8 | 8,2 | 50 | 9,5 | 21 |
| – | CA3106F12S-**B-*** | 5/8-24NEF-2A | 26,0 | 8,2 | 50 | 9,5 | 29 |
| VG95234H-14S-* | CA3106F14S-**B-*** | 3/4-20UNEF-2A | 29,2 | 11,1 | 50 | 9,5 | 33 |
| VG95234H-16S-* | CA3106F16S-**B-*** | 7/8-20UNEF-2A | 32,0 | 14,3 | 50 | 9,5 | 42 |
| VG95234H-16-* | CA3106F16-**B-*** | 7/8-20UNEF-2A | 32,0 | 14,3 | 60 | 9,5 | 51 |
| VG95234H-18-* | CA3106F18-**B-*** | 1-20UNEF-2A | 36,5 | 16,7 | 60 | 9,5 | 59 |
| VG95234H-20-* | CA3106F20-**B-*** | 1 3/16-18UNEF-2A | 39,9 | 19,8 | 60 | 9,5 | 59 |
| VG96234H-22-* | CA3106F22-**B-*** | 1 3/16-18UNEF-2A | 43,1 | 19,8 | 60 | 9,5 | 62 |
| VG95234H-24-* | CA3106F24-**B-*** | 1 7/16-18UNEF-2A | 46,6 | 25,4 | 65 | 9,5 | 84 |
| VG95234H-28-* | CA3106F28-**B-*** | 1 7/16-18UNEF-2A | 53,4 | 27,0 | 65 | 9,5 | 100 |
| VG95234H-32-* | CA3106F32-**B-*** | 1 3/4-18UNS-2A | 60,1 | 32,5 | 65 | 11,0 | 116 |
| VG95234H-36-* | CA3106F36-**B-*** | 2-18UNS-2A | 66,3 | 35,7 | 80 | 11,8 | 142 |

[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

## Wall Mounting Receptacle

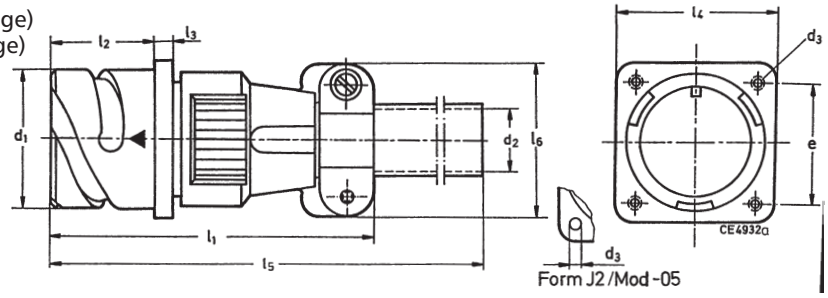
for rear mounting

**VG95234 Style $J_1$** (with threaded holes in flange)
**VG95234 Style $J_2$** (with through holes in flange)

**CA3100E-B** and Modifications e g -05
(with through holes)

**CA3100E-B** designates a wall mounting receptacle with cable clamp and telescoping bushing

**CA3100E-B** and Modifications e g -01, -F80
(for ordered contacts)




| VG95234 Part no. | Cannon Part no. | $d_1$ -0,15 | $d_2$[1] | $d_3$ J1 | $d_3$ J2 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | $l_5$ max. |
|---|---|---|---|---|---|---|---|---|---|---|
| VG95234*XX-10SL-* | CA3100E10SL-**-B-*** | 18,2 | 6,5 | M4 | 3,2 | 57 | 18,2 | 2,8 | 25,4 | 120 |
| – | CA3100E12S-**-B-*** | 21,4 | 6,5 | M4 | 3,2 | 57 | 18,2 | 3,2 | 28,0 | 120 |
| VG95234*XX-14S-* | CA3100E14S-**-B-*** | 24,6 | 9,0 | M4 | 3,2 | 59 | 18,2 | 3,2 | 30,0 | 120 |
| VG95234*XX-16S-* | CA3100E16S-**-B-*** | 27,4 | 11,0 | M4 | 3,2 | 60 | 18,2 | 3,2 | 32,5 | 120 |
| VG95234*XX-16-* | CA3100E16-**-B-*** | 27,4 | 11,0 | M4 | 3,2 | 68 | 23,05 | 3,2 | 32,5 | 125 |
| VG95234*XX-18-* | CA3100E18-**-B-*** | 30,8 | 14,2 | M4 | 3,2 | 72 | 23,05 | 4,0 | 35,0 | 125 |
| VG95234*XX-20-* | CA3100E20-**-B-*** | 34,2 | 15,8 | M4 | 3,2 | 72 | 23,05 | 4,0 | 38,0 | 125 |
| VG95234*XX-22-* | CA3100E22-**-B-*** | 37,4 | 15,8 | M4 | 3,2 | 72 | 23,05 | 4,0 | 41,0 | 125 |
| VG95234*XX-24-* | CA3100E24-**-B-*** | 40,9 | 21,4 | M4 | 3,7 | 78 | 23,05 | 4,0 | 44,5 | 125 |
| VG95234*XX-28-* | CA3100E28-**-B-*** | 46,7 | 21,4 | M5 | 3,7 | 79 | 24,05 | 4,0 | 50,8 | 125 |
| VG95234*XX-32-* | CA3100E32-**-B-*** | 53,4 | 26,7 | M5 | 4,3 | 78 | 24,05 | 4,0 | 57,0 | 125 |
| VG95234*XX-36-* | CA3100E36-**-B-*** | 59,6 | 31,7 | M5 | 4,3 | 78 | 24,05 | 4,0 | 63,5 | 135 |

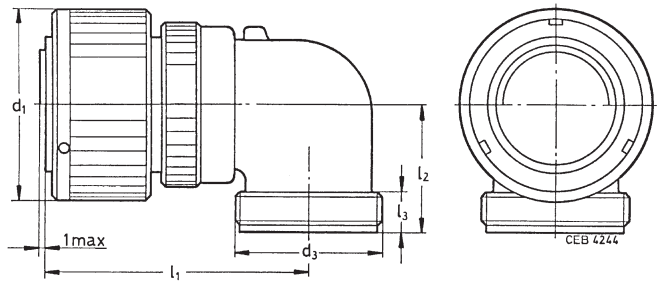
[1] For max. cable entry.

## Plug 90°, Shielded

### VG95234 Style K

**CA3108F-B-13, -14** or **-15** designates a shielded plug with 90° endbell for flex tube, grounding spring on the barrel. No rear accessories to mount cable braid to the endbell.

**CA3108F** and Modifications, see page 12




| VG96234 Part no. | Cannon Part no. | $d_3$-Thread | $d_1$ max. | $l_1$ max. | $l_2$ max. | $l_3$ min. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|
| – | CA3108F10SL-**-B-*** | 5/8-24UNEF-2A | 22,8 | 45 | 22 | 9,4 | 27 |
| VG95234K-12S-* | CA3108F12S-**-B-*** | 5/8-24UNEF-2A | 26,0 | 45 | 22 | 9,4 | 35 |
| VG95234K-14S-* | CA3108F14S-**-B-*** | 3/4-20UNEF-2A | 29,2 | 47 | 24 | 9,4 | 43 |
| VG95234K-16S-* | CA3108F16S-**-B-*** | 7/8-20UNEF-2A | 32,0 | 48 | 25 | 9,4 | 48 |
| VG95234K-16-* | CA3108F16-**-B-*** | 7/8-20UNEF-2A | 32,0 | 57 | 25 | 9,4 | 58 |
| VG95234K-18-* | CA3108F18-**-B-*** | 1-20UNEF-2A | 36,5 | 58 | 27 | 9,4 | 58 |
| VG95234K-20-* | CA3108F20-**-B-*** | 1 3/16-18UNEF-2A | 39,9 | 61 | 29 | 9,4 | 74 |
| VG95234K-22-* | CA3108F22-**-B-*** | 1 3/16-18UNEF-2A | 43,1 | 61 | 30 | 9,4 | 78 |
| VG95234K-24-* | CA3108F24-**-B-*** | 1 7/16-18UNEF-2A | 46,6 | 66 | 32 | 9,4 | 104 |
| VG95234K-28-* | CA3108F28-**-B-*** | 1 7/16-18UNEF-2A | 53,4 | 66 | 34 | 9,4 | 126 |
| CG95234K-32-* | CA3108F32-**-B-*** | 1 3/4-18UNS-2A | 60,1 | 72 | 39,5 | 11,0 | 160 |
| VG95234K-36-* | CA3108F36-**-B-*** | 2-18UNS-2A | 66,3 | 75 | 45 | 12,6 | 190 |

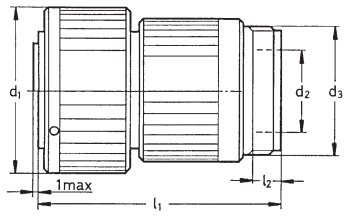
[1] Weight without insulator, grommets and contacts.

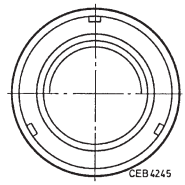
## Straight Plug, shielded

### VG95234 Style L

**CA3106F-B-13, -14 or -15** designates a straight plug with endbell for flex tube, grounding spring on the barrel.

**CA3106F-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_3$-Thread | $d_1$ | $d_2$[2] max. | $l_1$ | $l_2$ min. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|
| VG95234L-10SL-* | CA3106F10SL-**-B-*** | 5/8-24UNEF-2A | 22,8 | 8,2 | 50 | 9,5 | 21 |
| VG95234L-12S-* | CA3106F12S-**-B-*** | 5/8-24UNEF-2A | 26,0 | 8,2 | 50 | 9,5 | 29 |
| VG95234L-14S-* | CA3106F14S-**-B-*** | 3/4-20UNEF-2A | 29,2 | 11,1 | 50 | 9,5 | 33 |
| VG95234L-16S-* | CA3106F16S-**-B-*** | 7/8-20UNEF-2A | 32,0 | 14,3 | 50 | 9,5 | 42 |
| VG95234L-16-* | CA3106F-16-**-B-*** | 7/8-20UNEF-2A | 32,0 | 14,3 | 60 | 9,5 | 51 |
| VG95234L-18-* | CA3106F-18-**-B-*** | 1-20UNEF-2A | 36,5 | 16,7 | 60 | 9,5 | 59 |
| VG95234L-20-* | CA3106F-20-**-B-*** | 1 3/16-18UNEF-2A | 39,9 | 19,8 | 60 | 9,5 | 58 |
| VG95234L-22-* | CA3106F-22-**-B-*** | 1 3/16-18UNEF-2A | 43,1 | 19,8 | 60 | 9,5 | 62 |
| VG95234L-24-* | CA3106F-24-**-B-*** | 1 7/16-18UNEF-2A | 46,6 | 25,4 | 65 | 9,5 | 84 |
| VG95234L-28-* | CA3106F-28-**-B-*** | 1 7/16-18UNEF-2A | 53,4 | 27,0 | 65 | 9,5 | 100 |
| VG95234L-32-* | CA3106F-32-**-B-*** | 1 3/4-18UNS-2A | 60,1 | 32,5 | 65 | 11,0 | 116 |
| VG95234L-36-* | CA3106F-36-**-B-*** | 2-18UNS-2A | 66,3 | 35,7 | 80 | 11,8 | 142 |

[1] Weight without insulator, grommets and contacts.

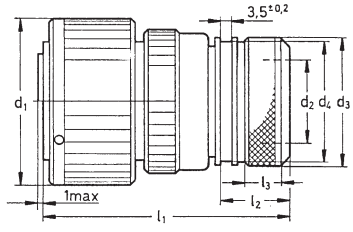
[2] For max. cable entry.

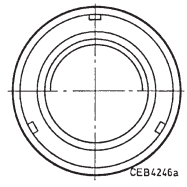
## Straight Plug, shielded

### VG95234 Style M

**CA3106E-B-13, -14 or -15** designates a straight, shielded plug with endbell for shielded braids, and heat shrinkable boots, grounding spring on the barrel.

**CA3106E-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$[2] min. | $d_3$ ±0,5 | $d_4$ max. | $l_1$ max. | $l_2$ +1 | $l_3$ ±0,5 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|
| VG95234M-10SL-* | CA3106E10SL-**-B-*** | 22,8 | 7,7 | 18,5 | 16,3 | 55,0 | 17,0 | 7,0 | 40 |
| – | CA3106E12S-**-B-*** | 26,0 | 9,3 | 20,0 | 17,0 | 55,0 | 17,0 | 7,0 | 42 |
| VG95234M-14S-* | CA3106E14S-**-B-*** | 29,2 | 10,6 | 22,0 | 20,0 | 55,0 | 17,0 | 7,0 | 45 |
| VG95234M-16S-* | CA3106E16S-**-B-*** | 32,0 | 13,5 | 25,0 | 23,0 | 60,0 | 18,0 | 8,0 | 55 |
| VG95234M-16-* | CA3106E16-**-B-*** | 32,0 | 13,5 | 25,0 | 23,0 | 70,0 | 18,0 | 8,0 | 65 |
| VG95234M-18-* | CA3106E18-**-B-*** | 36,5 | 14,6 | 28,0 | 24,5 | 70,0 | 18,0 | 8,0 | 75 |
| VG95234M-20-* | CA3106E20-**-B-*** | 39,9 | 18,5 | 32,0 | 28,5 | 70,0 | 18,0 | 10,0 | 85 |
| VG95234M-22-* | CA3106E22-**-B-*** | 43,1 | 20,8 | 34,0 | 30,5 | 70,0 | 18,0 | 10,0 | 100 |
| VG95234M-24-* | CA3106E24-**-B-*** | 46,6 | 24,6 | 38,0 | 34,5 | 70,0 | 18,0 | 10,0 | 115 |
| VG95234M-28-* | CA3106E28-**-B-*** | 53,4 | 27,0 | 41,0 | 37,5 | 70,0 | 18,0 | 10,0 | 130 |
| VG95234M-32-* | CA3106E32-**-B-*** | 60,1 | 33,3 | 48,0 | 44,0 | 70,0 | 18,0 | 10,0 | 170 |
| VG95234M-36-* | CA3106E36-**-B-*** | 66,3 | 38,5 | 55,0 | 51,0 | 80,0 | 18,0 | 10,0 | 190 |

[1] Weight without insulator, grommets and contacts.

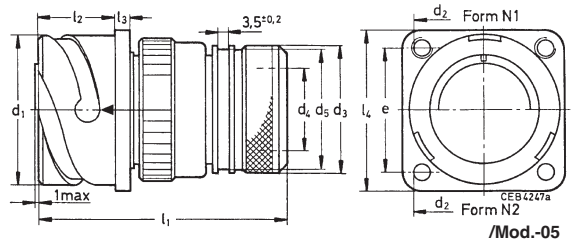
[2] For max. cable entry.

## Wall Mounting Receptacle

**VG95234 Style N1** (with threaded holes in flange)
**VG95234 Style N2** (with through holes in flange)

**CA3100E-B , -13, -14** or **-15, -05-13, -05-14** or **-05-15** designates a shielded receptacle with endbell for shielding braids, and also for heat shrinkable boots

**CA3100E-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ -0,15 | $d_2$ Thread H13 N1 | $d_2$ Thread H13 N2 | $d_3$ ±0,5 | $d_4$[2] min. | $d_5$ max. | e ±0,1 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ +0,3 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG95234*XX-10SL-* | CA3100E10SL-**-B-*** | 18,2 | M4 | 3,2 | 18,5 | 7,7 | 16,3 | 18,2 | 55 | 18,2 | 2,8 | 25,4 | 45 |
| VG95234*XX-14S-* | CA3100E14S-**-B-*** | 24,6 | M4 | 3,2 | 22,0 | 10,6 | 20,0 | 23,0 | 58 | 18,2 | 3,2 | 30,0 | 55 |
| VG95234*XX-16S-* | CA3100E16S-**-B-*** | 27,4 | M4 | 3,2 | 25,0 | 13,5 | 23,0 | 24,6 | 70 | 18,2 | 3,2 | 32,5 | 65 |
| VG95234*XX-16-* | CA3100E16-**-B-*** | 27,4 | M4 | 3,2 | 25,0 | 13,5 | 23,0 | 24,6 | 70 | 23,05 | 3,2 | 32,5 | 75 |
| VG95234*XX-18-* | CA3100E18-**-B-*** | 30,8 | M4 | 3,2 | 28,0 | 14,6 | 24,5 | 27,0 | 70 | 23,05 | 4,0 | 35,0 | 85 |
| VG95234*XX-20-* | CA3100E20-**-B-*** | 34,2 | M4 | 3,2 | 32,0 | 18,5 | 28,5 | 29,4 | 70 | 23,05 | 4,0 | 38,4 | 95 |
| VG95234*XX-22-* | CA3100E22-**-B-*** | 37,4 | M4 | 3,2 | 34,0 | 20,8 | 30,5 | 31,8 | 70 | 23,05 | 4,0 | 41,0 | 105 |
| VG95234*XX-24-* | CA3100E24-**-B-*** | 40,9 | M4 | 3,7 | 38,0 | 24,6 | 34,5 | 34,9 | 70 | 23,05 | 4,0 | 44,5 | 120 |
| VG95234*XX-28-* | CA3100E28-**-B-*** | 46,7 | M5 | 3,7 | 41,0 | 27,0 | 37,5 | 39,7 | 70 | 24,05 | 4,0 | 50,8 | 150 |
| VG95234*XX-32-* | CA3100E32-**-B-*** | 53,4 | M5 | 4,3 | 48,0 | 33,3 | 44,0 | 44,5 | 75 | 24,05 | 4,0 | 57,0 | 190 |
| VG95234*XX-36-* | CA3100E36-**-B-*** | 59,6 | M5 | 4,3 | 55,0 | 38,5 | 51,0 | 49,2 | 85 | 24,05 | 4,0 | 63,5 | 220 |

[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

## Straight Plug

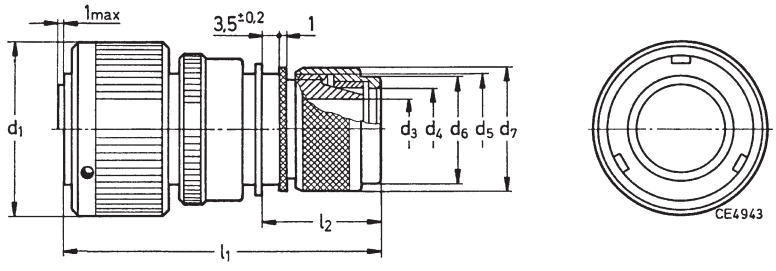
**VG95234 Style R1** (designated as shielded plug)

**CA3106E-B, -32-DXX** designates a straight plug, shielded, with endbell for system cable.

Grounding spring on the barrel.

(DXX means cable entry diameter)

**CA3106E-B** and Modification, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ | $d_3$ | $d_4$ | $d_5$ | $d_6$ | $d_7$ | $l_1$ | $l_2$ | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|
| VG95234R1-14S | CA3106E14S-**-B-32 | 29,2 | 10,0 | 14,0 | M 20x1 | 21,0 | 23,5 | 57 | 21,0 | 50 |
| VG95234R1-16S | CA3106E16S-**-B-32 | 32,0 | 10,0 | 14,0 | M 20x1 | 21,0 | 23,5 | 57 | 21,0 | 60 |
| – | CA3106E16S-**-B-32-D12 | 32,0 | 12,2 | 16,0 | M 22x1 | 23,0 | 25,5 | 57 | 21,0 | 60 |
| VG95234R1-18 | CA3106E18-**-B-32 | 36,5 | 12,2 | 16,0 | M 22x1 | 23,0 | 25,5 | 66 | 21,0 | 80 |
| VG95234R1-20 | CA3106E20-**-B-32 | 39,9 | 13,4 | 18,0 | M 27x1 | 26,6 | 30,5 | 68 | 21,0 | 90 |
| – | CA3106E20-**-B-32-D19 | 39,9 | 19,6 | 22,6 | M 27x1 | 31,5 | 35,5 | 68 | 21,0 | 90 |
| VG95234R1-28 | CA3106E28-**-B-32 | 53,4 | 19,0 | 26,0 | M 35x1 | 37,6 | 41,5 | 76 | 26,0 | 135 |
| – | CA3106E28-**-B-32-D22 | 53,4 | 23,0 | 26,5 | M 35x1 | 37,6 | 41,5 | 76 | 26,0 | 135 |
| VG95234R1-32 | CA3106E32-**-B-32 | 60,1 | 21,0 | 26,5 | M 35x1 | 37,5 | 41,5 | 79 | 26,0 | 175 |
| – | CA3106E32-**-B-32-D22 | 60,3 | 23,0 | 26,5 | M 35x1 | 37,5 | 41,5 | 82 | 26,0 | 200 |
| – | CA3106E36-**-B-32-D22 | 66,3 | 23,0 | 26,5 | M 42x1 | 37,5 | 41,5 | 82 | 26,0 | 200 |
| – | CA3106E36-**-B-32-D26 | 66,3 | 27,0 | 33,0 | M 42x1 | 45,0 | 49,7 | 82 | 26,0 | 200 |

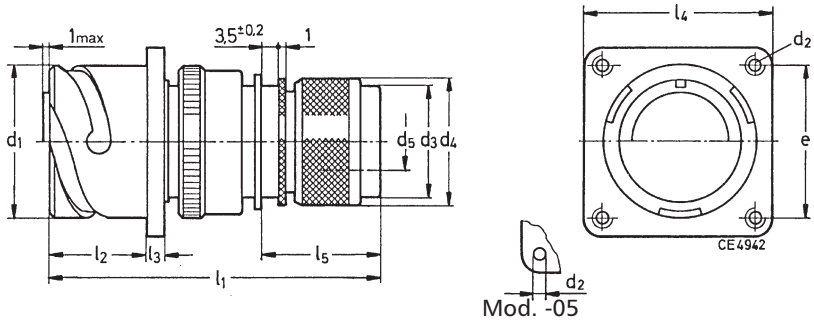
[1] Weight without insulator, grommets and contacts.

## Wall Mounting Receptacle

### VG95234 Style S1 (with thread holes in flange)

**CA3100E-B, -32, -32-05** designates a wall mounting receptacle, shielded, with endbell for system cable acc. MTV 6145-005.

**CA3100E-B** and Modification, see page 12



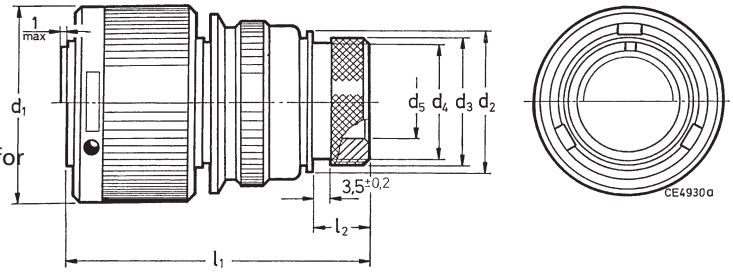

| VG95234 Part no. | Cannon Part no. | $d_1$ −0,15 | $d_2$ Thread | $d_2$ H13 | $d_3$ | $d_4$ ±0,3 | $d_5$ | e ±0,1 | $l_1$ max. | $l_2$ ±0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | $l_5$ max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG95234S1-14S | CA3100E14S-**-B-*** | 24,6 | M4 | 3,2 | 21,0 | 23,5 | 10,0 | 23,0 | 61 | 18,2 | 3,2 | 30,0 | 21,0 |
| VG95234S1-16S | CA3100E16S-**-B-*** | 27,4 | M4 | 3,2 | 21,0 | 23,5 | 10,0 | 24,6 | 61 | 18,2 | 3,2 | 32,5 | 21,0 |
| VG95234S1-18 | CA3100E18-**-B-*** | 30,8 | M4 | 3,2 | 23,0 | 25,5 | 12,2 | 27,0 | 70 | 23,05 | 4,0 | 35,0 | 21,0 |
| VG95234S1-20 | CA3100E20-**-B-*** | 34,2 | M4 | 3,2 | 26,6 | 30,5 | 13,4 | 29,4 | 72 | 23,05 | 4,0 | 38,0 | 21,0 |
| VG95234S1-28 | CA3100E28-**-B-*** | 46,7 | M5 | 3,7 | 37,5 | 41,5 | 19,0 | 39,7 | 78 | 24,05 | 4,0 | 50,8 | 26,0 |
| VG95234S1-32 | CA3100E32-**-B-*** | 53,4 | M5 | 4,3 | 37,5 | 41,5 | 21,0 | 44,5 | 81 | 24,05 | 4,0 | 57,0 | 26,0 |

## Straight Plug, Shielded with Adapter for Heat Shrink Boots

### VG95234 Style T

**CA3106E-B, 02-41, 03-41, 06-41** designates a straight plug, shielded ground spring on the barrel with endbell for heat shrink boot.

**CA3106E-B** and Modification, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ max. | $d_2$ ±0,2 | $d_3$ ±0,2 | $d_4$ max. | $d_5$ min. | $l_1$ max. | $l_2$ ±0,5 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|
| VG95234T-10SL-* | CA3106E10SL-**B-*** | 22,8 | 17,0 | 15,5 | 13,3 | 7,7 | 50 | 11,7 | 24 |
| – | CA3106E12S-**B-*** | 26,0 | 17,8 | 15,5 | 13,3 | 7,9 | 50 | 11,7 | 35 |
| VG95234T-14S-* | CA3106E14S-**B-*** | 29,2 | 20,1 | 19,1 | 17,0 | 10,6 | 50 | 11,7 | 41 |
| VG95234T-16S-* | CA3106E16S-**B-*** | 32,0 | 23,5 | 23,9 | 21,9 | 13,5 | 50 | 11,7 | 51 |
| VG95234T-16-* | CA3106E16-**B-*** | 32,0 | 23,5 | 23,9 | 21,9 | 13,5 | 60 | 11,7 | 58 |
| VG95234T-18-* | CA3106E18-**B-*** | 36,5 | 26,5 | 23,9 | 21,9 | 14,6 | 60 | 11,7 | 65 |
| VG95234T-20-* | CA3106E20-**B-*** | 39,9 | 30,2 | 29,6 | 26,2 | 18,7 | 65 | 12,7 | 75 |
| VG95234T-22-* | CA3106E22-**B-*** | 43,1 | 33,6 | 29,6 | 26,2 | 20,8 | 65 | 12,7 | 80 |
| VG95234T-24-* | CA3106E24-**B-*** | 46,6 | 38,1 | 37,8 | 34,5 | 24,6 | 65 | 12,7 | 95 |
| VG95234T-28-* | CA3106E28-**B-*** | 53,4 | 41,4 | 37,8 | 34,5 | 27,0 | 65 | 12,7 | 120 |
| VG95234T-32-* | CA3106E32-**B-*** | 60,1 | 48,6 | 47,8 | 43,6 | 33,3 | 70 | 15,2 | 165 |
| VG95234T-36-* | CA3106E36-**B-*** | 66,3 | 54,8 | 47,8 | 43,6 | 38,5 | 80 | 15,2 | 180 |

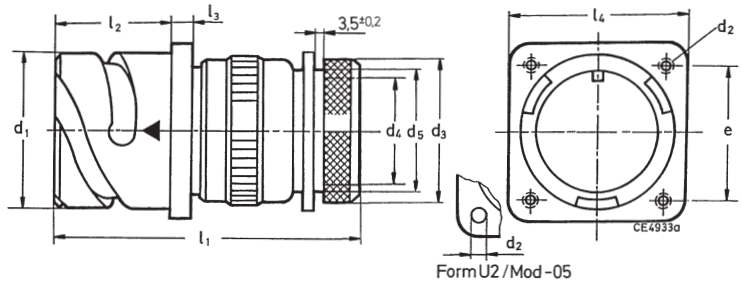
[1] Weight without insulator, grommets and contacts.

## Wall Mounting Receptacle

**VG95234 Style U1** (with threaded holes in flange)
**VG95234 Style U2** (with through holes in flange)

**CA3100E-B-02-05, -03-05** or **-06-05, -02-03** or **-06** designates a wall mounting receptacle with adapter for heat shrinkable boots

**CA3100E-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ -0,15 | $d_2$ Thread | $d_2$ H13 | $d_3$ ±0,2 | $d_4$ | $d_5$ max. | e ±0,1 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG95234U1-10SL-* | CA3100E10SL-**-B-*** | 18,2 | M4 | 3,2 | 15,5 | 7,7 | 13,3 | 18,2 | 57 | 18,2 | 2,8 | 25,4 | 35 |
| – | CA3100E12S-**-B-*** | 21,4 | M4 | 3,2 | 15,5 | 7,9 | 13,3 | 20,6 | 57 | 18,2 | 3,2 | 28,0 | 45 |
| VG95234U1-14S-* | CA3100E14S-**-B-*** | 24,6 | M4 | 3,2 | 19,1 | 10,6 | 17,0 | 23,0 | 57 | 18,2 | 3,2 | 30,0 | 50 |
| VG95234U1-16S-* | CA3100E16S-**-B-*** | 27,4 | M4 | 3,2 | 23,9 | 13,5 | 21,9 | 24,6 | 57 | 18,2 | 3,2 | 32,5 | 60 |
| VG95234U1-16-* | CA3100E16-**-B-*** | 27,4 | M4 | 3,2 | 23,9 | 13,5 | 21,9 | 24,6 | 63 | 23,05 | 3,2 | 32,5 | 65 |
| VG95234U1-18-* | CA3100E18-**-B-*** | 30,8 | M4 | 3,2 | 23,9 | 14,6 | 21,9 | 27,0 | 65 | 23,05 | 4,0 | 35,0 | 80 |
| VG95234U1-20-* | CA3100E20-**-B-*** | 34,2 | M4 | 3,2 | 29,6 | 18,7 | 26,2 | 29,4 | 68 | 23,05 | 4,0 | 38,0 | 95 |
| VG95234U1-22-* | CA3100E22-**-B-*** | 37,4 | M4 | 3,2 | 29,6 | 20,8 | 26,2 | 31,8 | 68 | 23,05 | 4,0 | 41,0 | 105 |
| VG95234U1-24-* | CA3100E24-**-B-*** | 40,9 | M4 | 3,7 | 37,8 | 24,6 | 34,5 | 34,9 | 70 | 23,05 | 4,0 | 44,5 | 140 |
| VG95234U1-28-* | CA3100E28-**-B-*** | 46,7 | M5 | 3,7 | 37,8 | 27,0 | 34,5 | 39,7 | 71 | 24,05 | 4,0 | 50,8 | 160 |
| VG95234U1-32-* | CA3100E32-**-B-*** | 53,4 | M5 | 4,3 | 47,8 | 33,3 | 43,6 | 44,5 | 74 | 24,05 | 4,0 | 57,0 | 205 |
| VG95234U1-36-* | CA3100E36-**-B-*** | 59,6 | M5 | 4,3 | 47,8 | 38,5 | 43,6 | 49,2 | 74 | 24,05 | 4,0 | 63,5 | 270 |

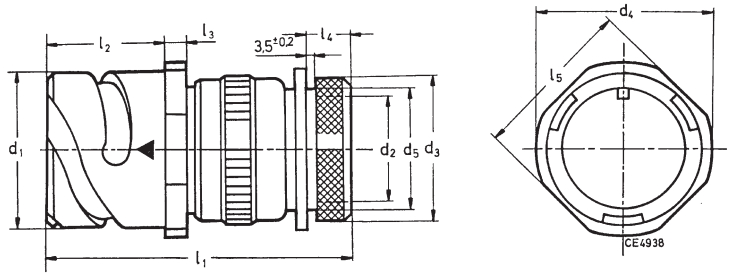
[1] Weight without insulator, grommets and contacts.

## Straight Plug

### VG95234 Style V

**CA3101E-B, -02, -03** or **-06** designates a cable connection plug with adapter for heat shrinkable boots

**CA3101E-B** and Modifications, see page 12




| VG95234 Part no. | Cannon Part no. | $d_1$ -0,15 | $d_2$[2] min. | $d_3$ ±0,2 | $d_4$ max. | $d_5$ max. | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,5 | $l_5$ | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VG95234V-10SL-* | CA3101E10SL-**-B-*** | 18,2 | 7,7 | 15,5 | 25,2 | 13,3 | 57 | 18,2 | 2,8 | 11,7 | 20,6 | 35 |
| | CA3101E12S-**-B-*** | 21,4 | 7,9 | 15,5 | 27,8 | 13,3 | 57 | 18,2 | 3,2 | 11,7 | 23,6 | 45 |
| VG95234V-14S-* | CA3101E14S-**-B-*** | 24,6 | 10,6 | 19,1 | 29,8 | 17,0 | 57 | 18,2 | 3,2 | 11,7 | 25,4 | 50 |
| VG95234V-16S-* | CA3101E16S-**-B-*** | 27,4 | 13,5 | 23,9 | 32,3 | 21,9 | 57 | 18,2 | 3,2 | 11,7 | 28,6 | 60 |
| VG95234V-16-* | CA3101E16-**-B-*** | 27,4 | 13,5 | 23,9 | 32,3 | 21,9 | 63 | 23,05 | 3,2 | 11,5 | 28,6 | 65 |
| VG95234V-18-* | CA3101E18-**-B-*** | 30,8 | 14,6 | 23,9 | 34,8 | 21,9 | 65 | 23,05 | 4,0 | 11,5 | 31,7 | 80 |
| VG95234V-20-* | CA3101E20-**-B-*** | 34,2 | 18,7 | 29,6 | 37,8 | 26,2 | 68 | 23,05 | 4,0 | 12,7 | 34,9 | 95 |
| VG95234V-22-* | CA3101E22-**-B-*** | 37,4 | 20,8 | 29,6 | 41,1 | 26,2 | 68 | 23,05 | 4,0 | 12,7 | 38,1 | 105 |
| VG95234V-24-* | CA3101E24-**-B-*** | 40,9 | 24,6 | 37,8 | 44,6 | 34,5 | 70 | 23,05 | 4,0 | 12,7 | 41,3 | 140 |
| VG95234V-28-* | CA3101E28-**-B-*** | 46,7 | 27,0 | 37,8 | 50,9 | 34,5 | 71 | 24,05 | 4,0 | 12,7 | 47,6 | 160 |
| VG95234V-32-* | CA3101E32-**-B-*** | 53,4 | 33,3 | 47,8 | 57,1 | 43,6 | 74 | 24,05 | 4,0 | 15,2 | 54,0 | 205 |
| VG95234V-36-* | CA3101E36-**-B-*** | 59,6 | 38,5 | 47,8 | 63,6 | 43,6 | 74 | 24,05 | 4,0 | 15,2 | 60,6 | 270 |

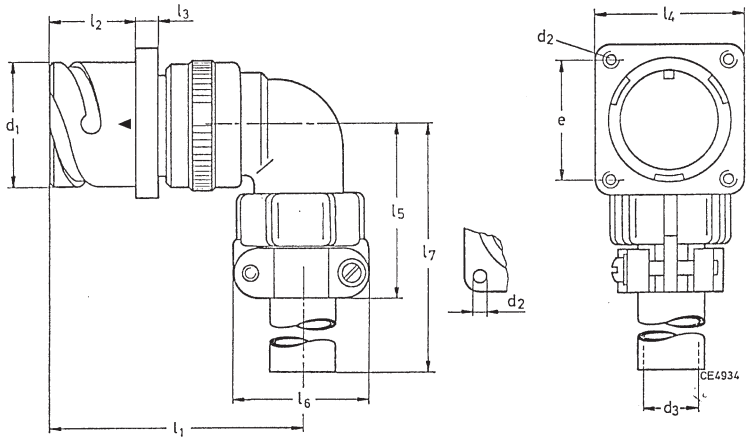
[1] Weight without insulator, grommets and contacts.
[2] For max. cable entry.

## Wall Mounting Receptacle

**CA3100E-B-08** (Flange with threated holes)
**CA3100E-B-09** (Flange with through holes)

**CA3100E-B-08, -09** designates a wall mounting receptacle, with 90° endbell, cable clamp and telescoping bushing.

Modification see page 12




| Cannon Part no. | $d_1$ -0,15 | $d_2$ Thread Mod. 08 | $d_2$ H13 Mod. 09 | $d_3$[2] max. | e ±0,4 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ max. | $l_5$ max. | $l_6$ max. | $l_7$ max. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA3100E10SL-**-B-*** | 18,2 | M4 | 3,2 | 6,5 | 18,2 | 50 | 18,2 | 2,8 | 25,4 | 42 | 22,7 | 100 | 50 |
| CA3100E12S-**-B-*** | 21,4 | M4 | 3,2 | 6,5 | 20,6 | 50 | 18,2 | 3,2 | 28,0 | 42 | 22,7 | 100 | 60 |
| CA3100E14S-**-B-*** | 24,6 | M4 | 3,2 | 9,0 | 23,0 | 52 | 18,2 | 3,2 | 30,0 | 42 | 27,5 | 100 | 70 |
| CA3100E16S-**-B-*** | 27,4 | M4 | 3,2 | 11,0 | 24,6 | 53 | 18,2 | 3,2 | 32,5 | 45 | 30,0 | 100 | 80 |
| CA3100E16-**-B-*** | 27,4 | M4 | 3,2 | 11,0 | 24,6 | 60 | 23,05 | 3,2 | 32,5 | 45 | 30,0 | 100 | 90 |
| CA3100E18-**-B-*** | 30,8 | M4 | 3,2 | 14,2 | 27,0 | 62 | 23,05 | 4,0 | 35,0 | 53 | 33,0 | 100 | 100 |
| CA3100E20-**-B-*** | 34,2 | M4 | 3,2 | 15,8 | 29,4 | 66 | 23,05 | 4,0 | 38,0 | 53 | 37,5 | 100 | 120 |
| CA3100E22-**-B-*** | 37,4 | M4 | 3,2 | 15,8 | 31,8 | 66 | 23,05 | 4,0 | 41,0 | 53 | 37,5 | 100 | 130 |
| CA3100E24-**-B-*** | 40,9 | M4 | 3,7 | 21,4 | 34,9 | 69 | 23,05 | 4,0 | 44,5 | 58 | 43,3 | 100 | 170 |
| CA3100E28-**-B-*** | 46,7 | M5 | 3,7 | 21,4 | 39,7 | 70 | 24,05 | 4,0 | 50,8 | 58 | 43,3 | 100 | 200 |
| CA3100E32-**-B-*** | 53,4 | M5 | 4,3 | 26,7 | 44,5 | 74 | 24,05 | 4,0 | 57,0 | 66 | 51,7 | 110 | 265 |
| CA3100E36-**-B-*** | 59,6 | M5 | 4,3 | 31,7 | 49,2 | 78 | 24,05 | 4,0 | 63,5 | 69 | 58,0 | 110 | 325 |

[1] Weight without insulator, grommets and contacts.

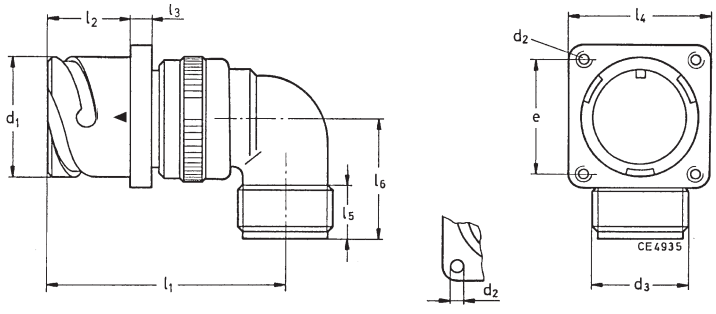
[2] For max. cable entry.

## Wall Mounting Receptacle

**CA3100F-B-08** (Flange with threated holes)
**CA3100F-B-09** (Flange with through holes)

**CA3100F-B, -08, -09** designates a wall mounting receptacle with 90° endbell and for protective hose

Modifications see page 12




Mod -09

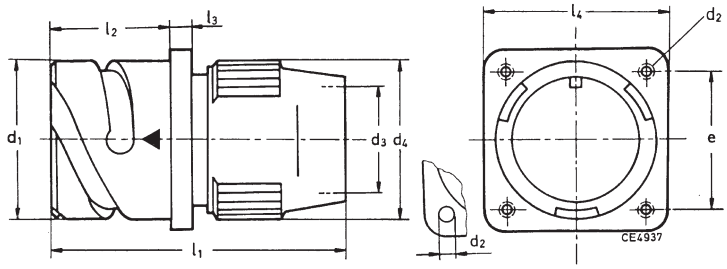
| Cannon Part no. | $d_1$ -0,15 | $d_2$ Thread | $d_2$ H13 | $d_3$ Thread | e ±0,1 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | $l_5$ min. | $l_6$ max. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA3100F10SL-**-B-*** | 18,2 | M4 | 3,2 | 5/8-24UNEF-2A | 18,2 | 50 | 18,2 | 2,8 | 25,4 | 9,4 | 30 | 47 |
| CA3100F12S-**-B-*** | 21,4 | M4 | 3,2 | 5/8-24UNEF-2A | 20,6 | 50 | 18,2 | 3,2 | 28,0 | 9,4 | 30 | 57 |
| CA3100F14S-**-B-*** | 24,6 | M4 | 3,2 | 3/4-20UNEF-2A | 23,0 | 52 | 18,2 | 3,2 | 30,0 | 9,4 | 30 | 57 |
| CA3100F16S-**-B-*** | 27,4 | M4 | 3,2 | 7/8-20UNEF-2A | 24,6 | 53 | 18,2 | 3,2 | 32,5 | 9,4 | 30 | 75 |
| CA3100F16-**-B-*** | 27,4 | M4 | 3,2 | 7/8-20UNEF-2A | 24,6 | 60 | 23,05 | 3,2 | 32,5 | 9,4 | 30 | 85 |
| CA3100F18-**-B-*** | 30,8 | M4 | 3,2 | 1-20UNEF-2A | 27,0 | 62 | 23,05 | 4,0 | 35,0 | 9,4 | 35 | 95 |
| CA3100F20-**-B-*** | 34,2 | M4 | 3,2 | 1 3/16-18UNEF-2A | 29,4 | 66 | 23,05 | 4,0 | 38,0 | 9,4 | 35 | 115 |
| CA3100F22-**-B-*** | 37,4 | M4 | 3,2 | 1 3/16-18UNEF-2A | 31,8 | 66 | 23,05 | 4,0 | 41,0 | 9,4 | 35 | 125 |
| CA3100F24-**-B-*** | 40,9 | M4 | 3,7 | 1 7/16-18UNEF-2A | 34,9 | 69 | 23,05 | 4,0 | 44,5 | 9,4 | 40 | 160 |
| CA3100F28-**-B-*** | 46,7 | M5 | 3,7 | 1 7/16-18UNEF-2A | 39,7 | 70 | 24,05 | 4,0 | 50,8 | 9,4 | 40 | 190 |
| CA3100F32-**-B-*** | 53,4 | M5 | 4,3 | 1 3/4-18UNS-2A | 44,5 | 74 | 24,05 | 4,0 | 57,0 | 11,0 | 45 | 250 |
| CA3100F36-**-B-*** | 59,6 | M5 | 4,3 | 2-18UNS-2A | 49,2 | 78 | 24,05 | 4,0 | 63,5 | 12,6 | 50 | 310 |

[1] Weight without insulator, grommets and contacts.

## Wall Mounting Receptacles

**CA3100R-B** designates a wall mounting receptacle with short endbell without cable clamp.

**CA3100R-B** and Modifications, see page 12




Mod -05

| Cannon Part no. | $d_1$ -0,15 | $d_2$ Thread | $d_2$ H13 | $d_3$[2] min. | $d_4$ max. | e ±0,1 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| CA3100R10SL-**-B-*** | 18,2 | M4 | 3,2 | 9,6 | 22,0 | 18,2 | 50 | 18,2 | 2,8 | 25,4 | 40 |
| CA3100R12S-**-B-*** | 21,4 | M4 | 3,2 | 10,3 | 23,0 | 20,6 | 52 | 18,2 | 3,2 | 28,0 | 50 |
| CA3100R14S-**-B-*** | 24,6 | M4 | 3,2 | 12,4 | 27,0 | 23,0 | 52 | 18,2 | 3,2 | 30,0 | 60 |
| CA3100R16S-**-B-*** | 27,4 | M4 | 3,2 | 15,4 | 28,0 | 24,6 | 58 | 18,2 | 3,2 | 32,5 | 70 |
| CA3100R16-**-B-*** | 27,4 | M4 | 3,2 | 15,4 | 28,0 | 24,6 | 58 | 23,05 | 3,2 | 32,5 | 75 |
| CA3100R18-**-B-*** | 30,8 | M4 | 3,2 | 18,4 | 31,0 | 27,0 | 65 | 23,05 | 4,0 | 35,0 | 90 |
| CA3100R20-**-B-*** | 34,2 | M4 | 3,2 | 22,0 | 35,0 | 29,4 | 65 | 23,05 | 4,0 | 38,0 | 110 |
| CA3100R22-**-B-*** | 37,4 | M4 | 3,2 | 24,7 | 38,0 | 31,8 | 65 | 23,05 | 4,0 | 41,0 | 125 |
| CA3100R24-**-B-*** | 40,9 | M4 | 3,7 | 27,6 | 42,0 | 34,9 | 67 | 23,05 | 4,0 | 44,5 | 160 |
| CA3100R28-**-B-*** | 46,7 | M5 | 3,7 | 31,6 | 49,0 | 39,7 | 67 | 24,05 | 4,0 | 50,8 | 190 |
| CA3100R32-**-B-*** | 53,4 | M5 | 4,3 | 38,5 | 55,0 | 44,5 | 67 | 24,05 | 4,0 | 57,0 | 230 |
| CA3100R36-**-B-*** | 59,6 | M5 | 4,3 | 44,5 | 62,0 | 49,2 | 67 | 24,05 | 4,0 | 63,5 | 300 |

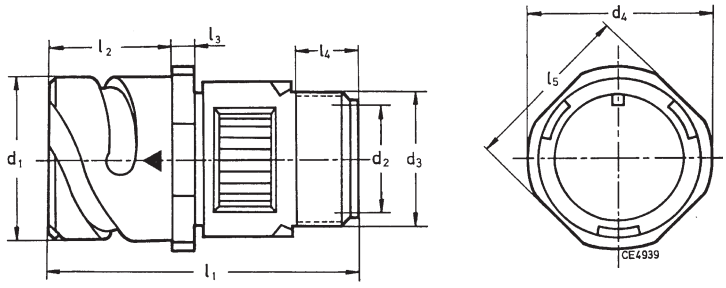
[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

## Straight Plug

**CA3101F-B** - designates a cable connection plug for flex tube

**CA3101F-B** and Modifications, see page 12




| Cannon Part no. | $d_1$ -0,15 | $d_2$[2] min. | $d_3$ Thread | $d_4$ max. | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ min. | $l_5$ ±0,2 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|
| CA3101F10SL-**-B-*** | 18,2 | 8,2 | 5/8-24NEF-2A | 25,2 | 52 | 18,2 | 2,8 | 9,5 | 20,6 | 35 |
| CA3101F12S-**-B-*** | 21,4 | 8,2 | 5/8-24NEF-2A | 27,8 | 52 | 18,2 | 3,2 | 9,5 | 23,6 | 45 |
| CA3101F14S-**-B-*** | 24,6 | 11,1 | 3/4-20UNEF-2A | 29,8 | 52 | 18,2 | 3,2 | 9,5 | 25,4 | 50 |
| CA3101F16S-**-B-*** | 27,4 | 14,3 | 7/8-20UNEF-2A | 32,3 | 59 | 18,2 | 3,2 | 9,5 | 28,6 | 60 |
| CA3101F16-**-B-*** | 27,4 | 14,3 | 7/8-20UNEF-2A | 32,3 | 59 | 23,05 | 3,2 | 9,5 | 28,6 | 65 |
| CA3101F18-**-B-*** | 30,8 | 16,7 | 1-20UNEF-2A | 34,8 | 63 | 23,05 | 4,0 | 9,5 | 31,7 | 80 |
| CA3101F20-**-B-*** | 34,2 | 19,8 | 1 3/16-18UNEF-2A | 37,8 | 63 | 23,05 | 4,0 | 9,5 | 34,9 | 95 |
| CA3101F22-**-B-*** | 37,4 | 19,8 | 1 3/16-18UNEF-2A | 41,1 | 66 | 23,05 | 4,0 | 9,5 | 38,1 | 105 |
| CA3101F24-**-B-*** | 40,9 | 25,4 | 1 7/16-18UNEF-2A | 44,6 | 69 | 23,05 | 4,0 | 9,5 | 41,3 | 140 |
| CA3101F28-**-B-*** | 46,7 | 27,0 | 1 7/16-18UNEF-2A | 50,9 | 70 | 24,05 | 4,0 | 9,5 | 47,6 | 160 |
| CA3101F32-**-B-*** | 53,4 | 32,5 | 1 3/4-16UNS-2A | 57,1 | 71 | 24,05 | 4,0 | 11,0 | 54,0 | 205 |
| CA3101F36-**-B-*** | 59,6 | 35,7 | 2-18UNS-2A | 63,6 | 73 | 24,05 | 4,0 | 11,8 | 60,6 | 270 |

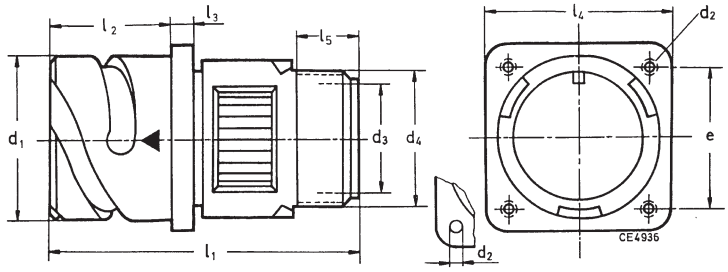
[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

## Wall Mounting Receptacle

**CA3100F-B** designates a wall mounting receptacle with straight endbell and protective hose.

**CA3100F-B** and Modifications, see page 12




Mod -05

| Cannon Part no. | $d_1$ -0,15 | $d_2$ Thread | $d_2$ +0,2 | $d_3$[2] | $d_4$ Thread | e ±0,1 | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_4$ ±0,3 | $l_5$ min. | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA3100F10SL-**-B-*** | 18,2 | M4 | 3,2 | 8,2 | 5/8-24NEF-2A | 18,2 | 52 | 18,2 | 2,8 | 25,4 | 9,5 | 40 |
| CA3100F12S-**-B-*** | 21,4 | M4 | 3,2 | 8,2 | 5/8-24NEF-2A | 20,6 | 52 | 18,2 | 3,2 | 28,0 | 9,5 | 50 |
| CA3100F14S-**-B-*** | 24,5 | M4 | 3,2 | 11,1 | 3/4-20UNEF-2A | 23,0 | 52 | 18,2 | 3,2 | 30,0 | 9,5 | 60 |
| CA3100F16S-**-B-*** | 27,4 | M4 | 3,2 | 14,3 | 7/8-20UNEF-2A | 24,6 | 59 | 18,2 | 3,2 | 32,5 | 9,5 | 70 |
| CA3100F16-**-B-*** | 27,4 | M4 | 3,2 | 14,3 | 7/8-20UNEF-2A | 24,6 | 59 | 23,05 | 3,2 | 32,5 | 9,5 | 75 |
| CA3100F18-**-B-*** | 30,8 | M4 | 3,2 | 16,7 | 1-20UNEF-2A | 27,0 | 63 | 23,05 | 4,0 | 35,0 | 9,5 | 90 |
| CA3100F20-**-B-*** | 34,2 | M4 | 3,2 | 19,8 | 1 3/16-18UNEF-2A | 29,4 | 63 | 23,05 | 4,0 | 38,0 | 9,5 | 110 |
| CA3100F22-**-B-*** | 37,4 | M4 | 3,2 | 19,8 | 1 3/16-18UNEF-2A | 31,8 | 66 | 23,05 | 4,0 | 42,0 | 9,5 | 125 |
| CA3100F24-**-B-*** | 40,9 | M4 | 3,7 | 25,4 | 1 7/16-18UNEF-2A | 34,9 | 69 | 23,05 | 4,0 | 44,5 | 9,5 | 160 |
| CA3100F28-**-B-*** | 46,7 | M5 | 3,7 | 27,0 | 1 7/16-18UNEF-2A | 39,7 | 70 | 24,05 | 4,0 | 50,8 | 9,5 | 190 |
| CA3100F32-**-B-*** | 53,4 | M5 | 4,3 | 32,5 | 1 3/4-18UNS-2A | 44,5 | 71 | 24,05 | 4,0 | 57,0 | 11,0 | 230 |
| CA3100F36-**-B-*** | 59,6 | M5 | 4,3 | 35,7 | 2-18UNS-2A | 49,2 | 73 | 24,05 | 4,0 | 63,5 | 11,8 | 300 |

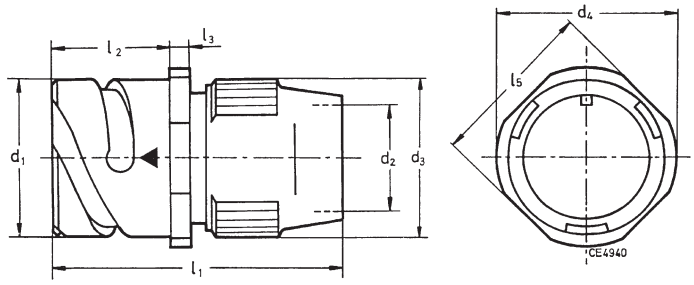
[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

## Straight Plug

**CA3101R-B** designates a cable connection plug with short endbell, without cable clamp

**CA3101R-B** and Modification, see page 12



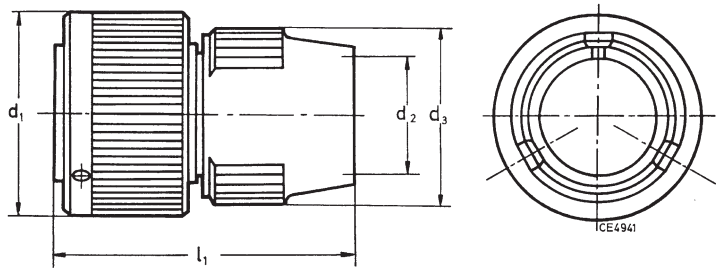

| Cannon Part no. | $d_1$ -0,15 | $d_2$ min. | $d_3$ max. | $d_4$ max. | $l_1$ max. | $l_2$ +0,4 | $l_3$ ±0,2 | $l_5$ ±0,2 | Weight[1] g max. |
|---|---|---|---|---|---|---|---|---|---|
| CA3101R10SL-**-B-*** | 18,2 | 9,6 | 22,0 | 25,2 | 50 | 18,2 | 2,8 | 20,6 | 32 |
| CA3101R12S-**-B-*** | 21,4 | 10,3 | 23,0 | 27,8 | 52 | 18,2 | 3,2 | 23,6 | 40 |
| CA3101R14S-**-B-*** | 24,6 | 12,4 | 27,0 | 29,8 | 52 | 18,2 | 3,2 | 25,4 | 47 |
| CA3101R16S-**-B-*** | 27,4 | 15,4 | 28,0 | 32,3 | 58 | 18,2 | 3,2 | 28,6 | 55 |
| CA3101R16-**-B-*** | 27,4 | 15,4 | 28,0 | 32,3 | 58 | 23,05 | 3,2 | 28,6 | 60 |
| CA3101R18-**-B-*** | 30,8 | 18,4 | 31,0 | 34,8 | 65 | 23,05 | 4,0 | 31,7 | 75 |
| CA3101R20-**-B-*** | 34,2 | 22,0 | 35,0 | 37,8 | 65 | 23,05 | 4,0 | 34,9 | 90 |
| CA3101R22-**-B-*** | 37,4 | 24,7 | 38,0 | 41,1 | 65 | 23,05 | 4,0 | 38,1 | 100 |
| CA3101R24-**-B-*** | 40,9 | 27,6 | 42,0 | 44,6 | 67 | 23,05 | 4,0 | 41,3 | 135 |
| CA3101R28-**-B-*** | 46,7 | 31,6 | 49,0 | 50,9 | 67 | 24,05 | 4,0 | 47,6 | 155 |
| CA3101R32-**-B-*** | 53,4 | 38,5 | 55,0 | 57,1 | 67 | 24,05 | 4,0 | 54,0 | 200 |
| CA3101R36-**-B-*** | 59,6 | 44,5 | 62,0 | 63,6 | 67 | 24,05 | 4,0 | 60,6 | 260 |

[1] Weight without insulator, grommets and contacts.

## Straight Plug

**CA3106R-B** designates a straight plug with short endbell, without cable clamp

**CA3106R-B** and Modification, see page 12

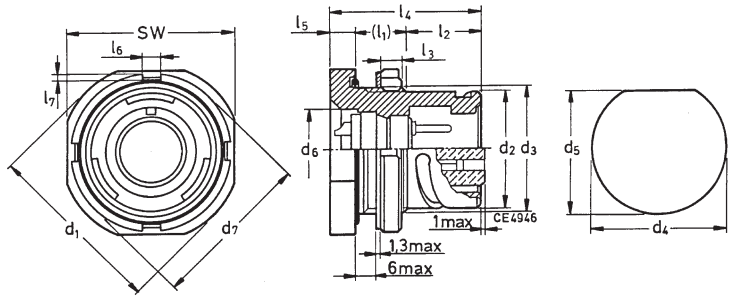



| Cannon Part no. | $d_1$ max. | $d_2$[1] | $d_3$ max. | $l_1$ max. | Weight g max. |
|---|---|---|---|---|---|
| CA3106R10SL-**-B-*** | 22,8 | 9,6 | 22,0 | 50 | 27 |
| CA3106R12S-**-B-*** | 26,0 | 10,3 | 23,0 | 50 | 35 |
| CA3106R14S-**-B-*** | 29,2 | 12,4 | 27,0 | 50 | 40 |
| CA3106R16S-**-B-*** | 32,0 | 15,4 | 28,0 | 50 | 50 |
| CA3106R16-**-B-*** | 32,0 | 15,4 | 28,0 | 60 | 57 |
| CA3106R18-**-B-*** | 36,5 | 18,4 | 31,0 | 62 | 65 |
| CA3106R20-**-B-*** | 39,9 | 22,0 | 35,0 | 62 | 80 |
| CA3106R22-**-B-*** | 43,1 | 24,7 | 38,0 | 62 | 87 |
| CA3106R24-**-B-*** | 46,6 | 27,6 | 42,0 | 62 | 120 |
| CA3100R28-**-B-*** | 53,4 | 31,6 | 49,0 | 62 | 150 |
| CA3106R32-**-B-*** | 60,1 | 38,5 | 55,0 | 62 | 190 |
| CA3106R36-**-B-*** | 66,3 | 44,5 | 62,0 | 62 | 250 |

[1] For max. cable entry.

## Jam Nut Receptacle

**CA07A-B**

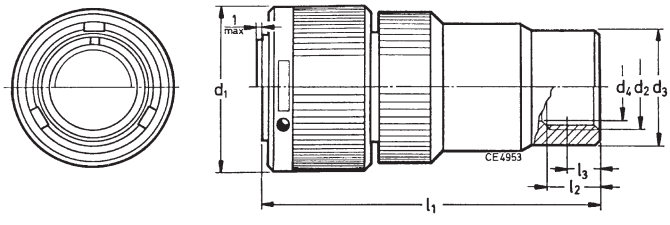



| Cannon Part no. | $d_1$ | $d_2$ | $d_3$ Thread | $(l_1)$ | $l_2$ | $l_3$ | $l_4$ | $d_4$ | $d_5$ | $d_6$ | $d_7$ | sw | $d_8$ | $l_5$ | $l_6$ | $l_7$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CA07A10SL-**B-*** | 35,0 | 18,2 | 7/8-20UNEF-2A | 13,5 | 12,5 | 4,0 | 29,2 | 22,7 | 20,9 | 13,5 | 31,5 | 31,8 | 20,6 | 3,2 | 5,0 | 2,5 |
| CA07A14S-**B-*** | 41,3 | 24,6 | 1 1/8-18UNEF-2A | 13,5 | 12,5 | 4,0 | 29,2 | 28,8 | 27,2 | 17,9 | 37,9 | 38,1 | 26,9 | 3,2 | 6,0 | 2,5 |
| CA07A16S-**B-*** | 44,4 | 27,4 | 1 1/4-18UNEF-2A | 13,5 | 12,5 | 4,0 | 29,2 | 32,0 | 30,4 | 21,1 | 41,0 | 41,2 | 30,1 | 3,2 | 6,0 | 2,5 |
| CA07A16-**B-*** | 44,4 | 27,4 | 1 1/4-18UNEF-2A | 13,5 | 21,0 | 4,0 | 37,7 | 32,0 | 30,4 | 21,1 | 41,0 | 41,2 | 30,1 | 3,2 | 6,0 | 2,5 |
| CA07A18-**B-*** | 48,2 | 30,8 | 1 3/8-18UNEF-2A | 15,0 | 21,0 | 5,0 | 40,0 | 35,1 | 33,6 | 24,2 | 44,8 | 45,0 | 33,3 | 4,0 | 7,0 | 3,0 |
| CA07A20-**B-*** | 52,4 | 34,2 | 1 1/2-18UNEF-2A | 15,0 | 21,0 | 5,0 | 40,0 | 38,2 | 36,8 | 28,2 | 49,0 | 49,2 | 36,5 | 4,0 | 7,0 | 3,0 |
| CA07A22-**B-*** | 55,5 | 37,4 | 1 5/8-18UNEF-2A | 15,0 | 21,0 | 5,0 | 40,0 | 42,0 | 39,9 | 31,4 | 52,2 | 52,4 | 39,6 | 4,0 | 7,0 | 3,0 |
| CA07A24-**B-*** | 59,0 | 40,9 | 1 3/4-18UNEF-2A | 15,0 | 21,0 | 5,0 | 40,0 | 44,7 | 43,1 | 34,5 | 55,0 | 55,2 | 41,2 | 4,0 | 7,0 | 3,0 |
| CA07A28-**B-*** | 66,0 | 46,7 | 2-18UNEF-2A | 15,0 | 21,0 | 5,0 | 40,0 | 51,1 | 49,2 | 40,1 | 62,0 | 62,2 | 47,5 | 4,0 | 7,0 | 3,0 |
| CA07A32-**B-*** | 72,0 | 53,4 | 2 1/4-16UN-2A | 15,0 | 21,0 | 5,0 | 40,0 | 57,4 | 55,7 | 46,5 | 68,0 | 68,2 | 54,1 | 4,0 | 7,0 | 3,0 |
| CA07A36-**B-*** | 80,0 | 59,6 | 1/2-16UN-2A | 15,0 | 21,0 | 5,0 | 40,0 | 63,8 | 62,0 | 51,2 | 75,0 | 75,2 | 60,5 | 4,0 | 8,0 | 3,0 |

## Straight Plug with PG Adapter

**CA06PG-B**

**CA06ME-B**




| Cannon Part no. | $d_1$ | $d_3$ | $d_4$ | $l_1$ | $l_2$ | $l_3$ | $d_2$ PG-Thread |
|---|---|---|---|---|---|---|---|
| CA06PG10SL-**-B-*** | 22,8 | 18,0 | 9,7 | 52 | 9,5 | 7,0 | PG 9 |
| CA06PG12S-**-B-*** | 26,0 | 18,8 | 10,4 | 52 | 9,5 | 7,0 | PG 9 |
| CA06PG14S-**-B-*** | 29,2 | 22,0 | 12,5 | 52 | 10,0 | 7,0 | PG11 |
| CA06PG16S-**-B-*** | 32,0 | 23,6 | 15,0 | 54 | 10,0 | 7,0 | PG13,5 |
| CA06PG16-**-B-*** | 32,0 | 24,0 | 15,0 | 64 | 10,0 | 7,0 | PG13,5 |
| CA06PG18-**-B-*** | 36,5 | 24,4 | 17,0 | 69 | 11,5 | 7,5 | PG13,5 |
| CA06PG20-**-B-*** | 39,9 | 26,8 | 17,0 | 70 | 11,5 | 7,5 | PG16 |
| CA06PG22-**-B-*** | 42,1 | 26,4 | 17,0 | 73 | 11,5 | 7,5 | PG16 |
| CA06PG24-**-B-*** | 46,6 | 26,8 | 18,5 | 74 | 12,5 | 7,5 | PG16 |
| CA06PG28-**-B-*** | 53,4 | 32,0 | 18,5 | 74 | 12,5 | 7,5 | PG21 |
| CA06PG32-**-B-*** | 60,1 | 40,8 | 24,0 | 76 | 13,5 | 8,5 | PG29 |
| CA06PG36-**-B-*** | 66,3 | 40,8 | 32,0 | 87 | 15,0 | 9,0 | PG29 |

| Cannon Part no. | $d_1$ | $d_3$ | $d_4$ | $l_1$ | $l_2$ | $l_3$ | $d_2$ Metric |
|---|---|---|---|---|---|---|---|
| CA06ME10SL-**-B-*** | 22,8 | 18,0 | 9,7 | 52 | 9,5 | 7,0 | M16 X 1,5 |
| CA06ME12S-**-B-*** | 26,0 | 18,8 | 10,4 | 52 | 9,5 | 7,0 | M16 X 1,5 |
| CA06ME14S-**-B-*** | 29,2 | 22,0 | 12,5 | 52 | 10,0 | 7,0 | M20 X 1,5 |
| CA06ME16S-**-B-*** | 32,0 | 23,6 | 15,0 | 54 | 10,0 | 7,0 | M20 X 1,5 |
| CA06ME16-**-B-*** | 32,0 | 24,0 | 15,0 | 64 | 10,0 | 7,0 | M20 X 1,5 |
| CA06ME18-**-B-*** | 36,5 | 24,4 | 17,0 | 69 | 11,5 | 7,5 | M25 X 1,5 |
| CA06ME20-**-B-*** | 39,9 | 26,8 | 17,0 | 70 | 11,5 | 7,5 | M25 X 1,5 |
| CA06ME22-**-B-*** | 42,1 | 26,4 | 17,0 | 73 | 11,5 | 7,5 | M32 X 1,5 |
| CA06ME24-**-B-*** | 46,6 | 26,8 | 18,5 | 74 | 12,5 | 7,5 | M32 X 1,5 |
| CA06ME28-**-B-*** | 53,4 | 32,0 | 18,5 | 74 | 12,5 | 7,5 | upon request |
| CA06ME32-**-B-*** | 60,1 | 40,8 | 24,0 | 76 | 13,5 | 8,5 | upon request |
| CA06ME36-**-B-*** | 66,3 | 40,8 | 32,0 | 87 | 15,0 | 9,0 | upon request |

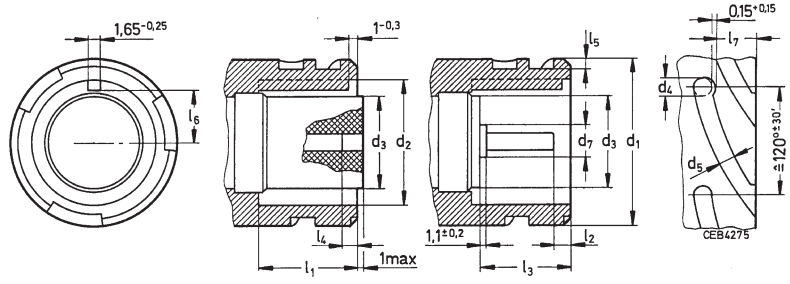
Dimensions shown in mm

Specifications and dimensions subject to change

## Coupling Dimensions

for connector style A, B1, B2, C1, C2, F, J1, J2, N1 and N2 resp. CA3100, CA3101, CA3102 and TBF

A = Contact size 10
B = Contact size 15S, 15, 16S, 16
C = Contact size 25, 12
D = Contact size 60, 100, 160, 500, 8.4, 0
E = Contact size 10
F = Contact size 15S, 16S
G = all others

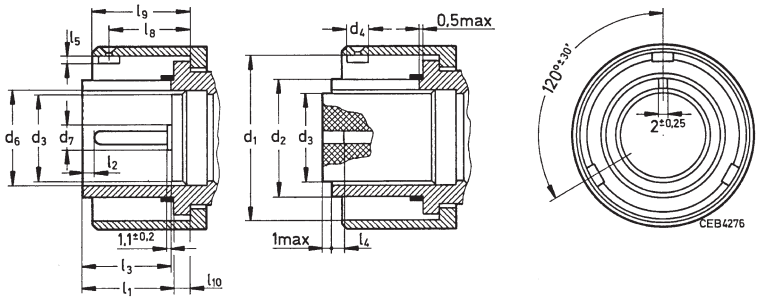



| Shell size | $d_1$ -0,15 | $d_2$ +0,3 | $d_3$ | $d_4$ +0,4 | $d_5$ +0,8 | $l_1$ min. | $l_2$ ±1 A-1 | $l_2$ B±1 | $l_2$ C±1 | $l_2$ D | $l_3$ ±0,5 | $l_4$ ±1 E | $l_4$ F | $l_4$ G | $l_5$ +0,2 | $l_6$ +0,4 | $l_7$ +0,1 -0,05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 18,2 | 11,4 | $9,7^{+0,25}_{-0,3}$ | 2,75 | 2,75 | 14,2 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,8 | 4,4 | 6,3 |
| 12S | 21,4 | 14,2 | $10,8^{+0,25}_{-0,3}$ | 2,75 | 2,75 | 14,2 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,8 | 5,9 | 6,3 |
| 14S | 24,6 | 17,3 | $13,0^{+0,25}_{-0,3}$ | 2,75 | 2,75 | 14,2 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,8 | 6,9 | 6,3 |
| 16S | 27,4 | 20,6 | $16,1^{+0,25}_{-0,3}$ | 2,75 | 2,75 | 14,2 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,8 | 8,4 | 6,3 |
| 16 | 27,4 | 20,6 | $16,1^{+0,25}_{-0,3}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 8,4 | 9,6 |
| 18 | 30,8 | 23,8 | $18,8^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 9,7 | 9,6 |
| 20 | 34,2 | 26,9 | $22,6^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 11,7 | 9,6 |
| 22 | 37,4 | 30,0 | $25,1^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 12,9 | 9,6 |
| 24 | 40,9 | 33,2 | $28,2^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 14,5 | 9,6 |
| 28 | 46,7 | 38,8 | $33,6^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 17,3 | 9,6 |
| 32 | 53,4 | 45,2 | $40,0^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 20,4 | 9,6 |
| 36 | 59,6 | 50,6 | $45,5^{\pm0,4}$ | 4,65 | 4,65 | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 2,0 | 23,0 | 9,6 |

## Coupling Dimensions

for connector style D, E, E1, G and H resp. CA3106 und 3108

A = Contact size 10
B = Contact size 15S, 15, 16S, 16
C = Contact size 25, 12
D = Contact size 60, 100, 160, 500, 8, 4, 0
E = Contact size 10
F = Contact size 15S, 16S
G = all others




| Shell size | $d_1$ -0,15 | $d_2$ -0,3 | $d_3$ | $d_4$ -0,1 | $d_6$ | $l_1$ ±0,2 | $l_2$ ±1 A | $l_2$ B | $l_2$ C | $l_2$ D | $l_3$[1] ±0,5 | $l_4$ ±1 E | $l_4$ F | $l_4$ G | $l_5$ +0,05 -0,1 | $l_8$ ±1 | $l_9$ ±0,5 | $l_{10}$ +0,1 -0,05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | 18,2 | 11,3 | $9,7^{+0,25}_{-0,3}$ | 2,6 | $10,0^{+0,3}$ | 13,5 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,6 | 11,8 | 14 | 2,1 |
| 12S | 21,4 | 14,0 | $10,8^{+0,25}_{-0,3}$ | 2,6 | $11,4^{+0,6}$ | 13,5 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,6 | 11,8 | 14 | 2,1 |
| 14S | 24,8 | 17,1 | $13,0^{+0,25}_{-0,3}$ | 2,6 | $13,3^{+0,6}$ | 13,5 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,6 | 11,8 | 14 | 2,1 |
| 16S | 27,6 | 20,4 | $16,1^{+0,25}_{-0,3}$ | 2,6 | $16,4^{+0,6}$ | 13,5 | – | 2,2 | – | – | 12,8 | – | 2 | – | 1,6 | 11,8 | 14 | 2,1 |
| 16 | 27,6 | 20,4 | $16,1^{+0,25}_{-0,3}$ | 4,5 | $16,4^{+0,6}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,6 | 16,0 | 18,8 | 2,1 |
| 18 | 31,1 | 23,6 | $18,8^{\pm0,4}$ | 4,5 | $19,6^{+0,6}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,0 | 18,8 | 2,1 |
| 20 | 34,5 | 26,7 | $22,6^{\pm0,4}$ | 4,5 | $23,6^{+0,6}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,0 | 18,8 | 2,1 |
| 22 | 37,7 | 29,8 | $25,1^{\pm0,4}$ | 4,5 | $26,0^{+0,6}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,0 | 18,8 | 2,1 |
| 24 | 41,2 | 33,0 | $28,2^{\pm0,4}$ | 4,5 | $29,1^{+0,7}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,8 | 19,6 | 2,8 |
| 28 | 47,0 | 38,6 | $33,6^{\pm0,4}$ | 4,5 | $34,7^{+0,7}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,8 | 19,6 | 2,8 |
| 32 | 53,7 | 44,9 | $40,0^{\pm0,4}$ | 4,5 | $41,0^{+0,7}$ | 18,2 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,8 | 19,6 | 2,8 |
| 36 | 59,9 | 50,3 | $45,5^{\pm0,4}$ | 4,5 | $46,6^{+0,7}$ | 19 | 9,8 | 6,6 | 3 | 2,3 | 17,6 | 1,4 | – | 2,6 | 1,8 | 16,8 | 19,6 | 2,8 |

[1] In terminated condition

## General Information

**Scope**
This specification describes a similar CA-B connector with a sealing degree up to IP69K. This connector is interchangable with the corresponding types as per MIL-C-5015 and VG95234, as they offer the same mounting dimensions and contact arrangements. These connectors are without spring washer, friction ring and grommet.

**Recommended Method of Mounting**
Connector shell is fixed with 4 screws on the housing. In combination with unsiversal endbell and an o-ring between flange receptacle and wall the connector will reach IP68 sealing (1bar, 16h) and IP69K sealing.

**Ratings & Characteristics**

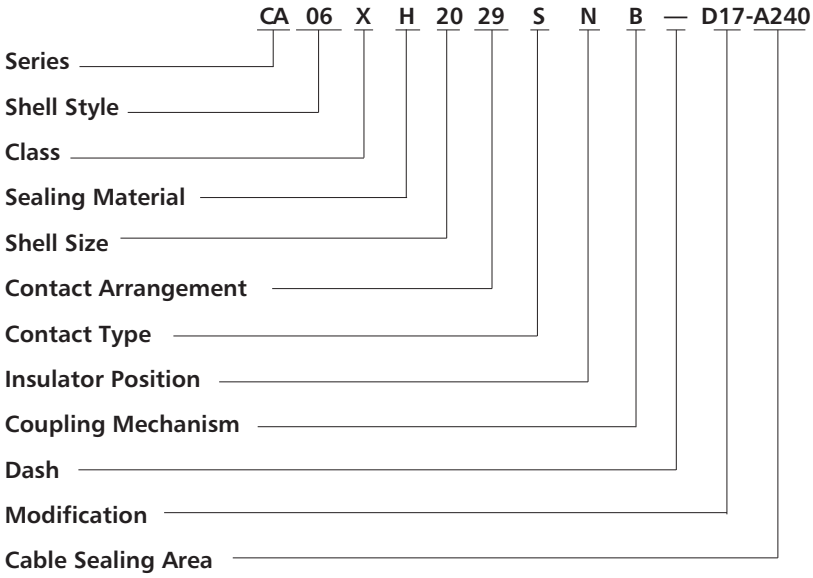
| | |
|---|---|
| Locking Device | Bayonet Coupling |
| Wire Size | From 1,5mm$^2$ to 2,5mm$^2$ |
| Contact Type | Crimp or Solder Contacts |
| Electric Characteristics | In accordance with VG95234 bayonet coupling |
| Environmental Characteristics | In accordance with VG95234 bayonet coupling<br>Deviance with plating A240: 500h salt spray test with mated pair<br>Deviance with plating A34: 48h salt spray test |
| Water tightness for mated connector | IP68 (1bar, 16h) and connector IP69K in combination with universal endbell and o-ring (flange receptacle to wall) |

**Normative references**

| | |
|---|---|
| DIN EN 61984 | (Electrical Connector, safety requirements and tests) |
| IEC 60068 | (Environmental tests) |
| IEC 60352 | (Crimp connection and requirements) |
| IEC 60512 | (Electrical Connector, measuring and test procedure) |
| IEC 60529 | (Specification for degrees of protection provided by enclosures) |
| VG 95373 | (Electromagnetic compatibility) |

## How to order

**Cannon Order reference**




## Explanation

| | |
|---|---|
| **Series** | CA |
| **Shell Style** | 02 = Wall mounting receptacle, front panel mounting<br>06 = Straight plug, without spring washer, friction ring and grommet |
| **Class** | X=Universal endbell IP69K |
| **Sealing Material** | H= FKM sealing<br>Without = CR-Sealing / weak backed seal: Silicone (Standard) |
| **Shell Sizes** | Available shell sizes: 10SL, 14S, 18, 20, 22 |
| **Contact Arrangement** | 20-29 = Layout 20-29, 17x contact size 15/16 |
| **Contact Type** | P= Pin, S=Socket |
| **Coupling Mechanism** | B=Bayonet |
| **Insulator Position** | See page 27 |
| **Modification** | Please refer the Modification Codes on next page. |
| **Cable Sealing Area** | D07 = with Universal Endbell (IP69K), straight version: #10SL, #14S, #20 (wire size 4,5 - 7,2mm)<br>D09 = with Universal Endbell (IP69K), straight version: #14S, #20 (wire size 6,5 - 9,3mm)<br>D11 = with Universal Endbell (IP69K), straight version: #14S, #18, #20 (wire size 7,0 - 10,3mm)<br>D13 = with Universal Endbell (IP69K), straight version: #18, #20, #22 (wire size 8,0 - 12,5mm)<br>D14 = with Universal Endbell (IP69K), straight version: #18, #22 (wire size 11,1 - 14,2mm)<br>D17 = with Universal Endbell (IP69K), straight version: #20, #22, #28 (wire size 14,5 - 16,6mm) |

**Modification**

01 – metric crimp contacts
41 – shielded version, grounding spring on barrel
F80 – AWG crimp contacts
A176 – gold plated contact, see pages 50-51
A232 – Zinc cobalt black plating
A233 – Zinc cobalt green plating
A240 – Zinc Nickel plating, blue iridescent
F0 – less contacts, contacts to be ordered separately, see pages 51 – 52

## General

IP69K in combination with universal endbell and o-ring (flange receptacle to wall) other styles:
IP67 acc. To DIN 40050 (1 bar / 12 h)

**Attention!** Longitudinal sealing: The connector is not sealed against fluids entering throughthe cable, as the sealing lips of the single wire sealing are pressing against the jacket of the individual cables.

## Electrical Data (0,3 - 0,6 mm²)

**Insulation Resistance**
**Test acc. To VG95319 part 2, test no. 5.12., test condition B**
**Insulation resistance ≥ 1000 MΩ (standard material)**

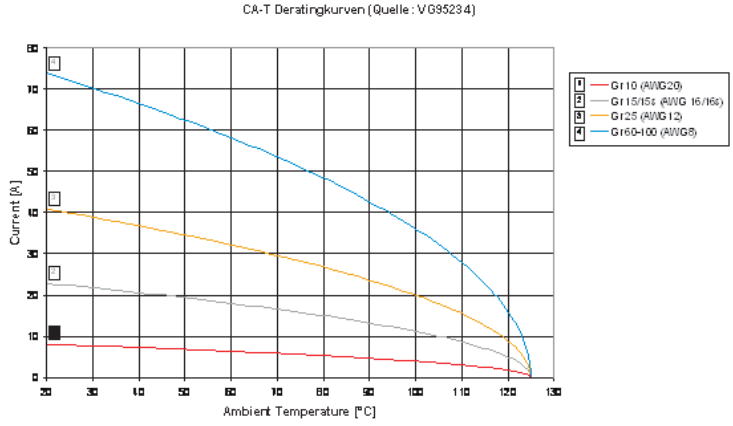
**Test Voltage**
Test acc. To VG95319 part 2, test no. 5.13.

| | |
|---|---|
| Instruments: | 1050 Vrms |
| A: | 1600 Vrms |
| D: | 2500 Vrms |

| Max. Permitted Operating Voltage | |
|---|---|
| DC voltage (U) in V | AC voltage (Urms) in V |
| 85 | 60 |

**Operating Voltage and Connector Usage**
Test acc. To VG95328 part 2, test no. 5.28.2.
If connector is used at voltage > 50 Vrms against ground general safety notes and protective measures acc. To DIN VDE part 410 and IEC 60364-4-41 have to be observed. All touchable parts have to be entered in these protective measures without fail. Connectors in equipments must not be separated or mated under load when used per specification.

**Current Rating**
Current rating tested acc. To VG95234 part 1




Current ratings are minimal values acc. To VG95234. For effective values refer to customer service.

**Contact Resistant**
Milivolt test acc. To VG95234 part 2, test no. 5.10.1. and VG95210 part 37, including 100 mm of cable on each side.

| Contact Size | Max. Contact Resistance |
|---|---|
| #10/20 | 12 mΩ |
| #15/16 | 6 mΩ |
| #25/12 | 3 mΩ |
| #60/100/8 | 1 mΩ |

**Shielding**
Test acc. To VG95234 part 1, test no. 5.11.

## Mechanical Characteristics

**Coupling Torque**

| | max | min |
|---|---|---|
| Coupling Torque at Opening and Closing | 5 Nm | 0,7 Nm |

| Designation | Material | Finish |
|---|---|---|
| Shell | Al-alloy | According to order reference |
| Coupling Nut | | |
| Endbell | | |
| Cone Ring | | |
| Clamping Nut | | |
| Clutch Spring | | |
| Circlip | Spring Steel | - |
| Contact | Cu-alloy | Silver Plated and Passivated |
| Clutch Ring | PPS | - |
| Shielding Sleeve | PA66 | |
| Clamping Ring | PBT | |
| Insulator | CR-rubber | - |
| Sealing Ring | | |
| Grommet | | |
| O-ring | | |

## Connector Dimensions

### Cable Connecting Plug
### Universal Endbell Bayonet

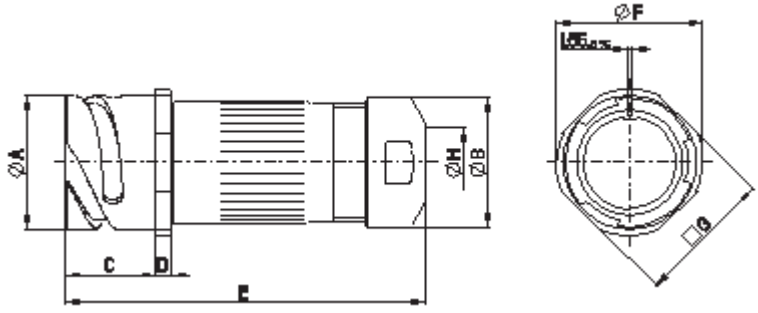
Endbell: Universal Endbell

Shielding: Yes

Sealing (*): IP67, IP68, IP69K

CA01X…
Straight plug for cable connection with universal endbell.

Please pay attention that the diameter of the cable is in the sealing range ØH.




| Part No. | ØA | ØB | C | D | E | ØF | G | ØH Sealing Range | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | - 0,15 | ± 0,2 | + 0,4 | ± 0,2 | max | max | ± 0,2 | min | | max | |
| CA01X10SL-**…D07… | 18.2 | 17.9 | 18.2 | 2.8 | 85 | 25.2 | 20.6 | 4.5 | - | 7.2 | mm |
| CA01X14S-**…D07… | 24.6 | 17.9 | 18.2 | 3.2 | 87 | 29.8 | 25.4 | 4.5 | - | 7.2 | mm |
| CA01X14S-**…D09… | 24.6 | 21.0 | 18.2 | 3.2 | 87 | 29.8 | 25.4 | 6.5 | - | 9.3 | mm |
| CA01X14S-**…D11… | 24.6 | 24.0 | 18.2 | 3.2 | 87 | 29.8 | 25.4 | 8.0 | - | 10.3 | mm |
| CA01X18-**…D11… | 30.8 | 24.0 | 23.05 | 4.0 | 93 | 34.8 | 31.7 | 8.0 | - | 10.3 | mm |
| CA01X18-**…D13… | 30.8 | 27.4 | 23.05 | 4.0 | 93 | 34.8 | 31.7 | 9.0 | - | 12.5 | mm |
| CA01X18-**…D14… | 30.8 | 30.0 | 23.05 | 4.0 | 93 | 34.8 | 31.7 | 11.5 | - | 14.2 | mm |
| CA01X20-**…D07… | 34.2 | 17.9 | 23.05 | 4.0 | 96 | 37.8 | 34.9 | 4.5 | - | 7.2 | mm |
| CA01X20-**…D09… | 34.2 | 21.0 | 23.05 | 4.0 | 96 | 37.8 | 34.9 | 6.5 | - | 9.3 | mm |
| CA01X20-**…D11… | 34.2 | 24.0 | 23.05 | 4.0 | 96 | 37.8 | 34.9 | 8.0 | - | 10.3 | mm |
| CA01X20-**…D13… | 34.2 | 27.4 | 23.05 | 4.0 | 96 | 37.8 | 34.9 | 9.0 | - | 12.5 | mm |
| CA01X20-**…D17… | 34.2 | 33.6 | 23.05 | 4.0 | 96 | 37.8 | 34.9 | 14.5 | - | 16.6 | mm |
| CA01X22-**…D13… | 37.4 | 27.4 | 23.05 | 4.0 | 100 | 41.1 | 38.1 | 9.0 | - | 12.5 | mm |
| CA01X22-**…D14… | 37.4 | 30.0 | 23.05 | 4.0 | 100 | 41.1 | 38.1 | 11.5 | - | 14.2 | mm |
| CA01X22-**…D17… | 37.4 | 33.6 | 23.05 | 4.0 | 100 | 41.1 | 38.1 | 14.5 | - | 16.6 | mm |
| CA01X28-**…D17… | 37.4 | 33.6 | 24.05 | 4.0 | 108 | 50.9 | 47.6 | 14.5 | - | 16.6 | mm |

(*) Sealing is achieved in mated condition. A receptacle with the suitable sealing grade is needed.

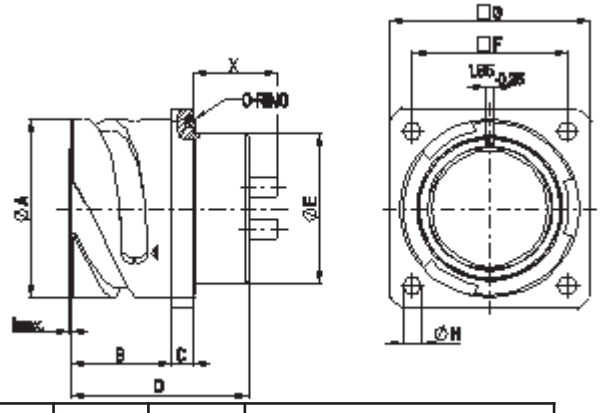
### Box Mounting Receptacle
### Front Panel Mounting

Endbell: None

Shielding: None

Sealing (*): IP67, IP68, IP69K

CA02X…-B…
Box Mounting Receptacle
Front Panel Mounting
with O-Ring Sealing for IP69K




| Part No. | A | B | C | D | E | F | G | H | X / Kontaktgröße | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | - 0,15 | + 0,4 | ± 0,2 | ± 0,3 | max | ± 0,1 | ± 0,3 | H13 | 15 | 25 | 100 |
| CA02X10SL-**-P*-B | 18.2 | 14.2 | 2.8 | 24.7 | 16.2 | 18.2 | 25.4 | 3.2 | 13.6 | - | - |
| CA02X14S-**-P*-B | 24.6 | 14.2 | 3.2 | 24.7 | 19.2 | 23 | 30 | 3.2 | 13.2 | - | - |
| CA02X18-**-P*-B | 30.8 | 19.0 | 4.0 | 33.8 | 25.6 | 27.0 | 35.0 | 3.2 | 17.1 | 17.1 | 18.7 |
| CA02X20-**-P*-B | 34.2 | 19.0 | 4.0 | 33.8 | 29.0 | 29.4 | 38.0 | 3.2 | 17.1 | 17.1 | 18.7 |
| CA02X22-**-P*-B | 37.4 | 19 | 4.0 | 33.8 | 32.2 | 31.8 | 41 | 3.2 | 17.1 | 17.1 | 18.7 |
| CA02X28-**-P*-B | 46.7 | 20.6 | 4.0 | 33.8 | 41.4 | 39.7 | 50.8 | 3.7 | 15.5 | 15.5 | 17.1 |

(*) Sealing is achieved in mated condition.

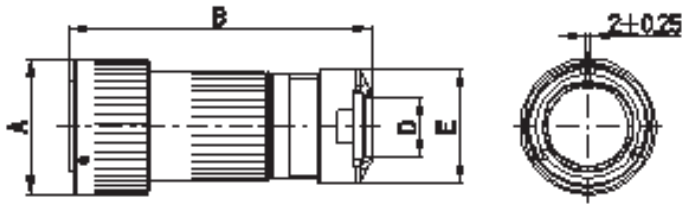
## Straight Plug
## Universal Endbell Bayonet

Endbell: Universal Endbell

Shielding: Yes, with Modification Code

Sealing (*): IP67, IP68, IP69K

CA06X…-B…
Straight plug with universal endbell.



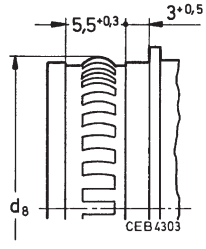

Please pay attention that the diameter of the cable is in the sealing range ØH.

| Part No. | ØA | B | ØE | ØD Sealing Range | | | |
|---|---|---|---|---|---|---|---|
| | max | max | ± 0,2 | min | | max | |
| CA06X10SL-**…D07… | 22.8 | 82 | 17.9 | 4.5 | - | 7.2 | mm |
| CA06X14S-**…D07… | 29.2 | 82 | 17.9 | 4.5 | - | 7.2 | mm |
| CA06X14S-**…D09… | 29.2 | 82 | 21.0 | 6.5 | - | 9.3 | mm |
| CA06X14S-**…D11… | 29.2 | 82 | 24.0 | 8.0 | - | 10.3 | mm |
| CA06X18-**…D11… | 36.5 | 88 | 24.0 | 8.0 | - | 10.3 | mm |
| CA06X18-**…D13… | 36.5 | 88 | 27.4 | 9.0 | - | 12.5 | mm |
| CA06X18-**…D14… | 36.5 | 88 | 30.0 | 11.5 | - | 14.2 | mm |
| CA06X20-**…D07… | 39.9 | 92 | 17.9 | 4.5 | - | 7.2 | mm |
| CA06X20-**…D09… | 39.9 | 92 | 21.0 | 6.5 | - | 9.3 | mm |
| CA06X20-**…D11… | 39.9 | 92 | 24.0 | 8.0 | - | 10.3 | mm |
| CA06X20-**…D13… | 39.9 | 92 | 27.4 | 9.0 | - | 12.5 | mm |
| CA06X20-**…D17… | 39.9 | 92 | 33.6 | 14.5 | - | 16.6 | mm |
| CA06X22-**…D13… | 43.1 | 98 | 27.4 | 9.0 | - | 12.5 | mm |
| CA06X22-**…D14… | 43.1 | 98 | 30.0 | 11.5 | - | 14.2 | mm |
| CA06X22-**…D17… | 43.1 | 98 | 33.6 | 14.5 | - | 16.6 | mm |
| CA06X28-**…D17… | 53.4 | 105 | 33.6 | 14.5 | - | 16.6 | mm |

## Mating Dimensions

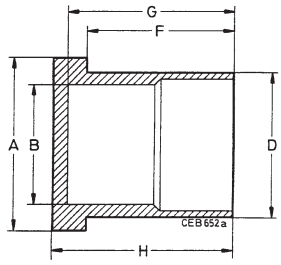
for shell styles K, L and M, shown without coupling nut

| Size | $d_8$ min. | Size | $d_8$ min. |
|---|---|---|---|
| 14S | 17,9 | 22 | 30,7 |
| 16S | 21,2 | 24 | 33,9 |
| 16 | 21,2 | 28 | 39,5 |
| 18 | 24,4 | 32 | 46,0 |
| 20 | 27,6 | 36 | 51,4 |



## Plastic Protecting Caps

Colour: red
(similar to RAL 2003)

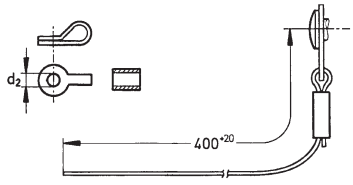



| Part no. | Protecting cap for Receptacles Shell size | Plugs Shell size | ø A max. | ø B -0,2 | ø D +0,2 | F ±0,2 | G ±0,2 | H max. |
|---|---|---|---|---|---|---|---|---|
| 025-8636-005 | 10S/10SL | – | 22,8 | 17,7 | 19,7 | 10,7 | 14,2 | 15,9 |
| 025-8636-006 | – | 10S/10SL | 22,8 | 10,7 | 12,9 | 15,5 | 17,0 | 18,7 |
| 025-8636-008 | – | 12S | 26,0 | 13,4 | 15,8 | 15,5 | 17,0 | 18,7 |
| 025-8636-010 | 12S/12 | – | 26,0 | 20,9 | 22,9 | 10,7 | 14,2 | 15,9 |
| 025-8636-016 | 14S/14 | – | 29,2 | 24,1 | 26,1 | 10,7 | 14,2 | 15,9 |
| 025-8636-017 | – | 14S | 29,2 | 16,5 | 19,1 | 15,5 | 17,0 | 18,7 |
| 025-8636-018 | – | 14 | 29,2 | 16,5 | 19,1 | 20,2 | 21,7 | 23,4 |
| 025-8636-022 | – | 16S | 32,0 | 19,8 | 22,4 | 15,5 | 17,0 | 18,7 |
| 025-8636-024 | – | 16 | 32,0 | 19,8 | 22,4 | 20,2 | 21,7 | 23,4 |
| 025-8636-025 | 16S | – | 32,0 | 26,9 | 28,9 | 10,7 | 14,2 | 15,9 |
| 025-8636-026 | 16 | – | 32,0 | 26,9 | 28,9 | 17,5 | 19,0 | 20,7 |
| 025-8636-034 | 18 | – | 36,5 | 30,3 | 32,3 | 17,5 | 19,0 | 20,7 |
| 025-8636-036 | – | 18 | 36,5 | 23,0 | 25,6 | 20,2 | 21,7 | 23,4 |
| 025-8636-042 | 20 | – | 39,9 | 33,7 | 35,7 | 17,5 | 19,0 | 20,7 |
| 025-8636-044 | – | 20 | 39,9 | 26,1 | 28,8 | 20,2 | 21,7 | 23,4 |
| 025-8636-048 | – | 22 | 43,1 | 29,2 | 31,9 | 20,2 | 21,7 | 23,4 |
| 025-8636-049 | 22 | – | 43,1 | 36,9 | 38,9 | 17,5 | 19,0 | 20,7 |
| 025-8636-053 | 24 | – | 46,6 | 40,4 | 42,4 | 19,1 | 20,6 | 22,3 |
| 025-8636-054 | – | 24 | 46,6 | 32,4 | 35,1 | 20,2 | 21,7 | 23,4 |
| 025-8636-058 | 28 | – | 53,4 | 46,2 | 48,2 | 19,1 | 20,6 | 22,3 |
| 025-8636-060 | – | 28 | 53,4 | 38,0 | 40,7 | 20,2 | 21,7 | 23,4 |
| 025-8636-061 | – | 32 | 60,1 | 44,3 | 47,2 | 20,2 | 21,7 | 23,4 |
| 025-8636-062 | 32 | – | 64,9 | 52,9 | 54,9 | 20,7 | 22,2 | 23,9 |
| 025-8636-064 | 36 | – | 71,1 | 59,1 | 60,1 | 20,7 | 22,2 | 23,9 |
| 025-8636-065 | – | 36 | 66,3 | 49,7 | 51,6 | 20,2 | 21,7 | 23,4 |

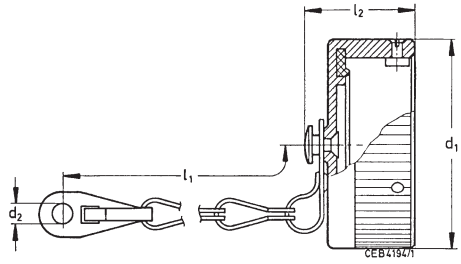
Dimensions shown in mm
Specifications and dimensions subject to change

## Metal Protecting Caps

for receptacles, shell style
3100, 3101 und 3102
Material: Aluminum alloy




VG95234 Style KA with cord



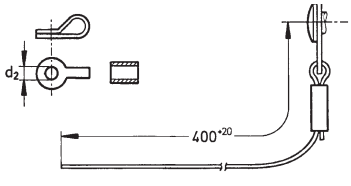

VG95234 Style KR with chain

| Shell size | VG95234 Part No. with chain | Cannon A66 Part No. with chain | Cannon A232 Part No. with chain | Cannon A233 Part No. with chain | Cannon A240 Part No. with chain | VG95234 Part No. with cord | Cannon A66 Part No. with cord | $d_1$ max. | $d_2$ +0,6 | $l_1$ min. for chain | $l_2$ max. for chain | Weight g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | VG95234KR10SL | CA121003-1 | CA121003-71 | CA121003-121 | CA121003-161 | VG95234KA10SL | CAB81-10SL-D | 23,5 | 4,3 | 100 | 20 | 16 |
| 12S | | CA121003-2 | CA121003-72 | CA121003-122 | CA121003-162 | | CAB81-12S-D | 27 | 4,3 | 100 | 20 | 17 |
| 14S | VG95234KR14S | CA121003-3 | CA121003-73 | CA121003-123 | CA121003-163 | VG95234KA14S | CAB81-14S-D | 30,6 | 4,3 | 100 | 20 | 18 |
| 16S | VG95234KR16S | CA121003-4 | CA121003-74 | CA121003-124 | CA121003-164 | VG95234KA16S | CAB81-16S-D | 33 | 4,3 | 100 | 20 | 16 |
| 16 | VG95234KR16 | CA121003-5 | CA121003-75 | CA121003-125 | CA121003-165 | VG95234KA16 | CAB81-16-D | 33 | 4,3 | 113 | 25 | 23 |
| 18 | VG95234KR18 | CA121003-6 | CA121003-76 | CA121003-126 | CA121003-166 | VG95234KA18 | CAB81-18-D | 37,5 | 4,3 | 113 | 25 | 27 |
| 20 | VG95234KR20 | CA121003-7 | CA121003-77 | CA121003-127 | CA121003-167 | VG95234KA20 | CAB81-20-D | 41 | 4,3 | 127 | 25 | 30 |
| 22 | VG95234KR22 | CA121003-8 | CA121003-78 | CA121003-128 | CA121003-168 | VG95234KA22 | CAB81-22-D | 44 | 4,3 | 127 | 25 | 33 |
| 24 | VG95234KR24 | CA121003-9 | CA121003-79 | CA121003-129 | CA121003-169 | VG95234KA24 | CAB81-24-D | 47,5 | 4,3 | 127 | 25 | 37 |
| 28 | VG95234KR28 | CA121003-10 | CA121003-80 | CA121003-130 | CA121003-170 | VG95234KA28 | CAB81-28-D | 54,5 | 5,5 | 169 | 25 | 42 |
| 32 | VG95234KR32 | CA121003-11 | CA121003-81 | CA121003-131 | CA121003-171 | VG95234KA32 | CAB81-32-D | 61 | 5,5 | 169 | 25 | 48 |
| 38 | VG95234KR36 | CA121003-12 | CA121003-82 | CA121003-132 | CA121003-172 | VG95234KA36 | CAB81-36-D | 67,5 | 5,5 | 169 | 25 | 55 |

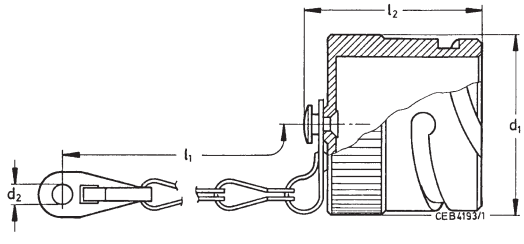
For plating information A66, A232, A233, A240. Please see page 12
If on CAB 81 another plating is desired please add the relevantMod as indicated on page 12

## Metal Protecting Caps

for plugs, shell style
3106 and 3108
Material: Aluminum alloy




VG95234 Style KC with cord




VG95234 Style KB with chain

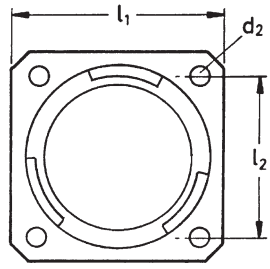
| Shell size | VG95234 Part No. with chain | Cannon A66 Part No. with chain | Cannon A232 Part No. with chain | Cannon A233 Part No. with chain | Cannon A240 Part No. with chain | VG95234 Part No. with cord | Cannon A66 Part No. with cord | $d_1$ max. | $d_2$ +0,6 | $l_1$ min. for chain | $l_2$ max. for chain | Weight g max. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10SL | VG95234KB10SL | CA121004-1 | CA121004-71 | CA121004-121 | CA121004-161 | VG95234KC10SL | CAB80-10SL-D | 21 | 4,3 | 100 | 29 | 19 |
| 12S | | CA121004-2 | CA121004-72 | CA121004-122 | CA121004-162 | | CAB80-12S-D | 24 | 4,3 | 100 | 29 | 23 |
| 14S | VG95234KB14S | CA121004-3 | CA121004-73 | CA121004-123 | CA121004-163 | VG95234KC14S | CAB80-14S-D | 27,5 | 4,3 | 100 | 29 | 26 |
| 16S | VG95234KB16S | CA121004-4 | CA121004-74 | CA121004-124 | CA121004-164 | VG95234KC16S | CAB80-16S-D | 30 | 4,3 | 100 | 29 | 28 |
| 16 | VG95234KB16 | CA121004-5 | CA121004-75 | CA121004-125 | CA121004-165 | VG95234KC16 | CAB80-16-D | 30 | 4,3 | 113 | 37 | 33 |
| 18 | VG95234KB18 | CA121004-6 | CA121004-76 | CA121004-126 | CA121004-166 | VG95234KC18 | CAB80-18-D | 33,5 | 4,3 | 113 | 37 | 38 |
| 20 | VG95234KB20 | CA121004-7 | CA121004-77 | CA121004-127 | CA121004-167 | VG95234KC20 | CAB80-20-D | 34 | 4,3 | 127 | 37 | 43 |
| 22 | VG95234KB22 | CA121004-8 | CA121004-78 | CA121004-128 | CA121004-168 | VG95234KC22 | CAB80-22-D | 40 | 4,3 | 127 | 37 | 47 |
| 24 | VG95234KB24 | CA121004-9 | CA121004-79 | CA121004-129 | CA121004-169 | VG95234KC24 | CAB80-24-D | 43,5 | 4,3 | 127 | 37 | 53 |
| 28 | VG95234KB28 | CA121004-10 | CA121004-80 | CA121004-130 | CA121004-170 | VG95234KC28 | CAB80-28-D | 49,5 | 5,5 | 169 | 37 | 63 |
| 32 | VG95234KB32 | CA121004-11 | CA121004-81 | CA121004-131 | CA121004-171 | VG95234KC32 | CAB80-32-D | 56 | 5,5 | 169 | 37 | 75 |
| 38 | VG95234KB36 | CA121004-12 | CA121004-82 | CA121004-132 | CA121004-172 | VG95234KC36 | CAB80-36-D | 62,5 | 5,5 | 169 | 37 | 88 |

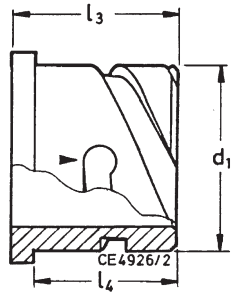
For plating information A66, A232, A233, A240. Please see page 12
If on CAB 80 another plating is desired please add the relevantMod as indicated on page 12

## Dummy Receptacles

Front panel mounting (rear side open)

**VG95234** Style BOD (Flange with through-holes)
**CA3105-B**

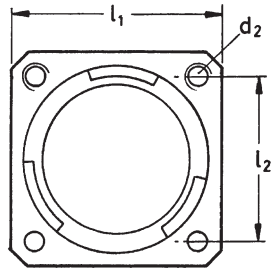


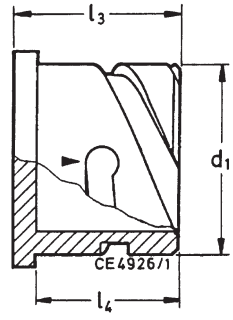




| Shell size | VG95234 Part no. | Cannon Part no. | $d_1$ –0,15 | $d_2$ ±0,2 | $l_1$ ±0,3 | $l_2$ ±0,1 | $l_3$ max. | $l_4$ +0,3 |
|---|---|---|---|---|---|---|---|---|
| 10SL | VG95234BOD10SL | CA3105E10SL-B | 18,2 | 3,2 | 25,4 | 18,2 | 17,5 | 14,2 |
| 12S | – | CA3105E12S-B | 21,4 | 3,2 | 28,0 | 20,6 | 18,0 | 14,2 |
| 14S | VG95234BOD14S | CA3105E14S-B | 24,6 | 3,2 | 30,0 | 23,0 | 18,0 | 14,2 |
| 16S | VG95234BOD16S | CA3105E16S-B | 27,4 | 3,2 | 32,5 | 24,6 | 18,0 | 14,2 |
| 16 | VG95234BOD16 | CA3105E16-B | 27,4 | 3,2 | 32,5 | 24,6 | 23,5 | 19,0 |
| 18 | VG95234BOD18 | CA3105E18-B | 30,8 | 3,2 | 35,0 | 27,0 | 23,5 | 19,0 |
| 20 | VG95234BOD20 | CA3105E20-B | 34,2 | 3,2 | 38,0 | 29,4 | 23,5 | 19,0 |
| 22 | VG95234BOD22 | CA3105E22-B | 37,4 | 3,2 | 41,0 | 31,8 | 23,5 | 19,0 |
| 24 | VG95234BOD24 | CA3105E24-B | 40,9 | 3,7 | 44,5 | 34,9 | 25,5 | 20,6 |
| 28 | VG95234BOD28 | CA3105E28-B | 46,7 | 3,7 | 50,8 | 39,7 | 25,5 | 20,6 |
| 32 | VG95234BOD32 | CA3105E32-B | 53,4 | 4,3 | 57,0 | 44,5 | 27,0 | 22,2 |
| 36 | VG95234BOD36 | CA3105E36-B | 59,6 | 4,3 | 63,5 | 49,2 | 27,0 | 22,2 |

## Dummy Receptacles

Rear panel mounting (rear side closed)



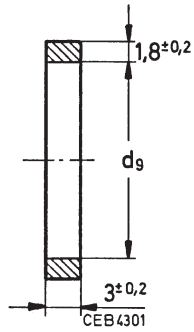

| Shell size | CA3105E-B Cannon Part no. with thread Style A | CA3105E-B-05 Cannon Part no. with through holes Style B | $d_1$ | $l_1$ ±0,25 | $l_2$ ±0,3 | $l_3$ | $l_4$ +0,3 | Style A $d_2$ | Style B $d_2$±0,2 |
|---|---|---|---|---|---|---|---|---|---|
| 10SL | 248-8513-000 | 248-8501-000 | 18,2 | 25,4 | 18,2 | 21,1 | 18,3 | M4 | 3,2 |
| 12S | 248-8514-000 | 248-8502-000 | 21,4 | 28,0 | 20,6 | 21,5 | 18,3 | M4 | 3,2 |
| 14S | 248-8515-000 | 248-8503-000 | 24,6 | 30,0 | 23,0 | 21,5 | 18,3 | M4 | 3,2 |
| 16S | 248-8516-000 | 248-8504-000 | 27,4 | 32,5 | 24,6 | 21,5 | 18,3 | M4 | 3,2 |
| 16 | 248-8517-000 | 248-8505-000 | 27,4 | 32,5 | 24,6 | 24,8 | 21,6 | M4 | 3,2 |
| 18 | 248-8518-000 | 248-8506-000 | 30,8 | 35,0 | 27,0 | 27,2 | 23,15 | M4 | 3,2 |
| 20s | 248-8519-000 | 248-8507-000 | 34,2 | 38,0 | 29,4 | 27,2 | 23,15 | M4 | 3,2 |
| 22 | 248-8520-000 | 248-8508-000 | 37,4 | 41,0 | 31,8 | 27,2 | 23,15 | M4 | 3,2 |
| 24 | 248-8521-000 | 248-8509-000 | 40,9 | 44,5 | 34,9 | 27,2 | 23,15 | M4 | 3,7 |
| 28 | 248-8522-000 | 248-8510-000 | 46,7 | 50,8 | 39,7 | 28,2 | 24,15 | M5 | 3,7 |
| 32 | 248-8523-000 | 248-8511-000 | 53,4 | 57,0 | 44,5 | 28,2 | 24,15 | M5 | 4,4 |
| 36 | 248-8524-000 | 248-8512-000 | 59,6 | 63,5 | 49,2 | 28,2 | 24,15 | M5 | 4,4 |

Dimensions shown in mm
Specifications and dimensions subject to change

## Sealing Rings

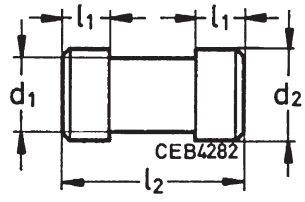
for use on the barrel of the plug

| Size | Part no. | $d_9$ |
|---|---|---|
| 10SL | 980-8550-000 | 9,0 |
| 12S | 980-8551-000 | 11,5 |
| 14S | 980-8552-000 | 14,0 |
| 16/16S | 980-8553-000 | 17,0 |
| 18 | 980-8554-000 | 19,5 |
| 20 | 980-8555-000 | 22,5 |
| 22 | 980-8556-000 | 25,4 |
| 24 | 980-8557-000 | 28,5 |
| 28 | 980-8558-000 | 34,0 |
| 32 | 980-8559-000 | 40,0 |
| 36 | 980-8560-000 | 45,0 |




## Wire Hole Fillers

Are needed in case of none occupied contacts. Contacts have to be installed while the wire hole fillers are mounted into the relevant open grommet holes.

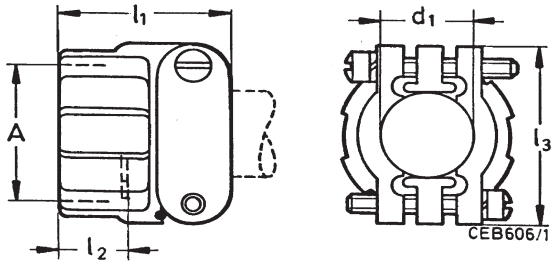



| Size | VG95234 Part no. | For contact size metr. | AWG | $d_1$ ±0,1 | $d_2$ ±0,2 | $l_1$ ±0,1 | $l_2$ ±0,3 | Colour | Part no. |
|---|---|---|---|---|---|---|---|---|---|
| 20 | VG95234B20 | 10 | | 2,3 | 3,0 | 2,4 | 9,7 | red | 225-1000-000 |
| 16S | VG95234B16S | 15S | 16S | 2,8 | 3,7 | 1,5 | 4,8 | nature | 225-8510-000 |
| 16 | VG95234B16 | 15S/15 | 16S/16 | 2,8 | 3,7 | 3,2 | 11,9 | blue | 225-0017-000 |
| 12 | VG95234B12 | 25/25A | 12 | 3,7 | 4,6 | 3,2 | 11,9 | yellow | 225-0018-000 |
| 8 | VG95234B08 | 60/100 | 8 | 5 | 5,8 | 3,2 | 11,9 | white | 225-0019-000 |
| 4 | VG95234B04 | 160 | 4 | 7,6 | 8,5 | 3,2 | 11,9 | green | 225-8502-000 |
| 0 | VG95234B00 | 500 | 0 | 12,8 | 13,5 | 3,2 | 11,9 | black | 225-8503-000 |

## Cable Clamps

without telescoping bushing

**VG95234** Style **KK**



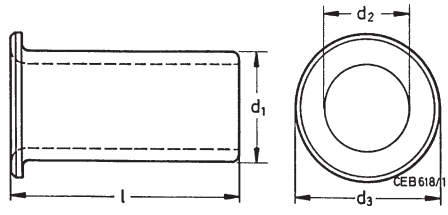

| VG95234 Part no. | Former Designation MS | Shell size suitable for connectors acc. MS | A-Thread | $l_2$ max. | $d_1$ max. | $l_1$ max. | $l_3$ max. | Shell-Weight g |
|---|---|---|---|---|---|---|---|---|
| VG95234KK 4 | MS3057- 4A* | 10SL, 12S, | 5/7-24NEF-2B | 10,5 | 7,9 | 20,8 | 22,5 | 13,2 |
| VG95234KK 6 | MS3057- 6A* | 14S, | 3/4-20UNEF-2B | 10,5 | 11,1 | 22,4 | 27,4 | 18,6 |
| VG95234KK 8 | MS3057- 8A* | 16S, 16 | 7/8-20UNEF-2B | 10,5 | 14,2 | 24,0 | 29,8 | 23,6 |
| VG95234KK12 | MS3057-10A* | 18 | 1-20UNEF-2B | 10,5 | 15,8 | 24,0 | 32,2 | 27,3 |
| VG95234KK12 | MS3057-12A* | 20, 22 | 1 3/16-18NEF-2B | 10,5 | 19,0 | 24,0 | 37,4 | 37,2 |
| VG95234KK16 | MS3057-16A* | 24, 28 | 1 7/16-18NEF-2B | 10,5 | 23,7 | 26,4 | 43,5 | 56,3 |
| VG95234KK20 | MS3057-20A* | 32 | 1 3/4-18NS-2B | 12,0 | 31,8 | 28,0 | 51,7 | 83,9 |
| VG95234KK24 | MS3057-24A* | 36 | 2-18NS-2B | 13,7 | 34,6 | 29,6 | 57,8 | 109,8 |

* WB = Cable clamp with cable telescoping bushing

## Telescoping Bushings

Telescoping bushing (used with MS3057A resp. VG95234KK cable clamp) keep dirt, oil and dust out of endbell. Taping or wrapping wires is eliminated since bushing protects wires guided through clamp. Combinations of two bushings may be used to decrease inner diameter for improved sealing.

Material: Polychloroprene

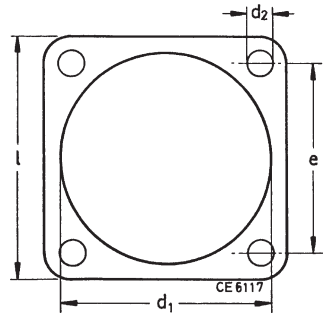



| Shell size | VG95234 Part no. | MS Part no. | Cannon Part no. | $d_1$ | $d_2$ | $d_3$ | l | Weight g |
|---|---|---|---|---|---|---|---|---|
| 10SL, 12S | VG95234KT10SL | MS3420-04 | 012-8552-000 | 8,0 | 6,6 | 9,9 | 70,0 | 4 |
| 14S | VG95234KT14S | MS3420-06 | 012-8554-000 | 10,9 | 9,1 | 12,7 | 67,0 | 5 |
| 16S, 16 | VG95234KT16 | MS3420-08 | 012-0218-000 | 14,0 | 11,1 | 19,0 | 64,0 | 6 |
| 18 | VG95234KT18 | MS3420-10 | 012-0219-000 | 15,7 | 14,3 | 22,0 | 60,0 | 4 |
| 20, 22 | VG95234KT20 | MS3420-12 | 012-0220-000 | 18,8 | 15,9 | 26,9 | 57,0 | 7 |
| 24 | VG95234KT24 | MS3420-16 | 012-8555-000 | 21,2 | 16,6 | 26,9 | 57,0 | 13 |
| 28 | VG95234KT28 | MS3420-18 | 012-8556-000 | 23,6 | 21,5 | 33,3 | 54,0 | 13 |
| 32 | VG95234KT32 | MS3420-20 | 012-8557-000 | 26,5 | 21,5 | 33,3 | 54,0 | 26 |
| | – | – | 012-8558-000 | 31,5 | 26,8 | 40,4 | 51,0 | 26 |
| 36 | VG95234KT32 | MS3420-24 | 012-8558-000 | 31,5 | 26,8 | 40,4 | 51,0 | 30 |
| | – | MS3420-24 | 012-0223-000 | 34,7 | 31,8 | 46,8 | 48,0 | 30 |

## Gaskets

Thickness of gaskets
made of Alu-Flex "2" = 0,5 mm
made of Polychloropren "1" = 1,0 mm

**VG95234** Style DA for front panel mounting
**VG95234** Style DH for front panel mounting




### For front panel mounting

| Size | VG95234 Part no. | Part no. Version Polychloropen[1] | Part no. Version Alu-Flex[2] | l ±0,5 | e ±0,2 | $d_1$ +1 front panel | $d_2$ +0,5 | Weight g max. |
|---|---|---|---|---|---|---|---|---|
| 10SL | VG95234 DA 10SL-X | 075-8512-000 | 075-8512-001 | 25,4 | 18,2 | 15,7 | 4,2 | 2 |
| 12S | | 075-8513-000 | 075-8513-001 | 28,0 | 20,6 | 18,9 | 4,2 | 2 |
| 14S | VG95234 DA 14S-X | 075-8514-000 | 075-8514-001 | 30,0 | 23,0 | 22,1 | 4,2 | 2 |
| 16/16S | VG95234 DA 16X | 075-8515-000 | 075-8515-001 | 32,5 | 24,6 | 25,3 | 4,2 | 2 |
| 18 | VG95234 DA 18-X | 075-8516-000 | 075-8516-001 | 35,0 | 27,0 | 28,4 | 4,2 | 2 |
| 20 | VG95234 DA 20-X | 075-8517-000 | 075-8517-001 | 38,0 | 29,4 | 31,6 | 4,2 | 2 |
| 22 | VG95234 DA 22-X | 075-8518-000 | 075-8518-001 | 41,0 | 31,8 | 34,8 | 4,2 | 2 |
| 24 | VG95234 DA 24-X | 075-8519-000 | 075-8519-001 | 44,5 | 34,9 | 38,0 | 4,2 | 2 |
| 28 | VG95234 DA 28-X | 075-8520-000 | 075-8520-001 | 50,8 | 39,7 | 44,3 | 5,1 | 2 |
| 32 | VG95234 DA 32-X | 075-8521-000 | 075-8521-001 | 57,0 | 44,5 | 50,7 | 5,1 | 2 |
| 36 | VG95234 DA 36-X | 075-8522-000 | 075-8522-001 | 63,5 | 49,2 | 57,0 | 5,1 | 2 |

### For rear panel mounting

| Size | VG95234 Part no. | Part no. Version Polychloropen[1] | Part no. Version Alu-Flex[2] | l ±0,5 | e ±0,2 | $d_1$ +1 front panel | $d_2$ +0,5 | Weight g max. |
|---|---|---|---|---|---|---|---|---|
| 10SL | VG95234 DH 10SL-X | 075-8501-000 | 075-8501-001 | 25,4 | 18,2 | 18,2 | 4,2 | 2 |
| 12S | | 075-8502-000 | 075-8502-001 | 28,0 | 20,6 | 21,4 | 4,2 | 2 |
| 14S | VG95234 DH 14S-X | 075-8503-000 | 075-8503-001 | 30,0 | 23,0 | 24,6 | 4,2 | 2 |
| 16/16S | VG95234 DH 16X | 075-8504-000 | 075-8504-001 | 32,5 | 24,6 | 27,4 | 4,2 | 2 |
| 18 | VG95234 DH 18-X | 075-8505-000 | 075-8505-001 | 35,0 | 27,0 | 30,8 | 4,2 | 2 |
| 20 | VG95234 DH 20-X | 075-8506-000 | 075-8506-001 | 38,0 | 29,4 | 34,2 | 4,2 | 2 |
| 22 | VG95234 DH 22-X | 075-8507-000 | 075-8507-001 | 41,0 | 31,8 | 37,4 | 4,2 | 2 |
| 24 | VG95234 DH 24-X | 075-8508-000 | 075-8508-001 | 44,5 | 34,9 | 40,9 | 4,2 | 2 |
| 28 | VG95234 DH 28-X | 075-8509-000 | 075-8509-001 | 50,8 | 39,7 | 46,7 | 5,1 | 2 |
| 32 | VG95234 DH 32-X | 075-8510-000 | 075-8510-001 | 57,0 | 44,5 | 53,4 | 5,1 | 2 |
| 36 | VG95234 DH 36-X | 075-8511-000 | 075-8511-001 | 63,5 | 49,2 | 59,6 | 5,1 | 2 |

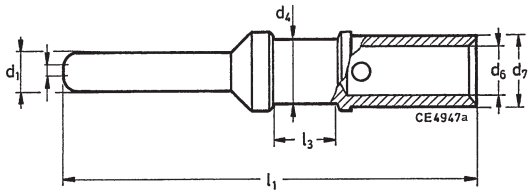
X = insert "1" (electrically not conductive) or "2" (electrically conductive)

## Contacts

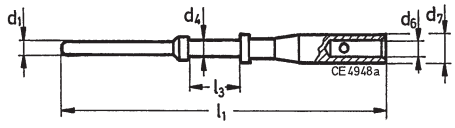
Standard contacts and contacts with reduced termination diameter

**Pin contacts**

Size 15S/16S, 15/16, 25/12, 60/100/8, 160/4, 500/0




Size 10/20




**Finish**

A36 – 5 µm silver plated and passivated
A176 – 2 µm nickel plated, min. 0,5 µm gold plated

| Contact size | VG95234 Part no. | Wire size mm² | AWG | Part no. with finish Standard: A36 silver plated | Part no. with finish Mod.Code: A176 gold plated | $d_1$ -0,05 | $d_4$ | $d_6$ | $d_7$ | $l_1$ ±0,15 | $l_3$ ±0,5 | Color Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/20 | VG95234P10 | 0,5-1,0 | 20/18 | 030-8585-000 | 030-8585-006 | 1,04 | 1,5 -0,05 | 1,5 +0,05 | 2,4 -0,05 | 28,4 | 4,75 | – |
| | VG95234P10-001 | 0,2-0,4 | 26/22 | 030-8585-010 | – | 1,04 | 1,5 -0,05 | 0,9 +0,05 | 2,4 -0,05 | 28,4 | 4,75 | blue |
| 15S/16S | VG95234P15S | 0,75-1,5 | 18/16 | 030-8586-000 | 030-8586-006 | 1,6 | 1,75 -0,1 | 1,75 +0,08 | 2,75 -0,05 | 27,4 | 3,85 | – |
| | VG95234P15S-002 | 0,3-0,6 | 22/20 | 330-8744-000 | 330-8744-006 | 1,6 | 1,75 -0,1 | 1,2 +0,1 | 2,75 -0,05 | 27,4 | 3,85 | red |
| | VG95234P15S-001 | 0,14-0,38 | 22/26 | 030-8586-010 | – | 1,6 | 1,75 -0,1 | 0,9 +0,05 | 2,75 -0,05 | 27,4 | 3,85 | blue |
| 15/16 | VG95234P15 | 0,75-1,5 | 18/16 | 030-8587-000 | 030-8587-006 | 1,6 | 1,75 -0,1 | 1,75 +0,08 | 2,75 -0,05 | 31,4 | 7,9 | – |
| | VG95234P15-002 | 0,3-0,6 | 22/20 | 330-8659-000 | 330-8659-006 | 1,6 | 1,75 -0,1 | 1,2 +0,1 | 2,75 -0,05 | 31,4 | 7,9 | red |
| | VG95234P15-001 | 0,14-0,38 | 22/26 | 030-8587-030 | 030-8587-036 | 1,6 | 1,75 -0,1 | 0,9 +0,05 | 2,75 -0,05 | 31,4 | 7,9 | blue |
| 25/12 | VG95234P25 | 2,0-3,0 | 14/12 | 030-8588-000 | 030-8588-006 | 2,4 | 3,3 -0,15 | 2,5 +0,1 | 3,8 -0,1 | 37,0 | 7,9 | – |
| | VG95234P25-001 | 0,75-1,5 | 18/16 | 030-8588-010 | 030-8588-016 | 2,4 | 3,3 -0,15 | 1,75 +0,08 | 3,4 -0,1 | 37,0 | 7,9 | black |
| | | 4,0 | – | 030-8588-054 | – | 2,4 | 3,3 -0,15 | 2,8 +0,1 | 3,8 -0,1 | 37,0 | 7,9 | |
| 60/100/8 | VG95234P8 | – | 8 | 030-8612-000 | 030-8612-006 | 3,6 | 6,25 -0,15 | 4,55 +0,1 | 6,8 -0,1 | 39,6 | 6,35 | – |
| | VG95234P60 | 6,0 | 10 | 030-8589-000 | – | 3,6 | 6,25 -0,15 | 3,5 +0,1 | 6,8 -0,1 | 39,6 | 6,35 | yellow |
| | VG95234P100 | 10,0 | – | 030-8590-000 | – | 3,6 | 6,25 -0,15 | 4,8 +0,1 | 6,8 -0,1 | 39,6 | 6,35 | – |
| | VG95234P60-001 | 2,0-3,0 | 14/12 | 030-8612-010 | – | 3,6 | 6,25 -0,15 | 2,5 +0,05 | 6,8 -0,1 | 39,6 | 6,35 | green |
| 160/4 | VG95234P4 | – | 4 | 030-8613-000 | – | 5,75 | 9,55 -0,15 | 7,1 +0,15 | 9,55 -0,1 | 39,6 | 6,35 | – |
| | VG95234P160 | 16,0 | – | 030-8591-000 | – | 5,75 | 9,55 -0,15 | 6,2 +0,15 | 9,55 -0,1 | 39,6 | 6,35 | – |
| | | 10,0 | – | 030-8591-020 | – | 5,75 | 9,55 -0,15 | 4,8 +0,1 | 9,55 -0,1 | 39,6 | 6,35 | – |
| | VG95234P160-001 | – | 6 | 030-8613-010 | – | 5,75 | 9,55 -0,15 | 5,7 +0,1 | 9,55 -0,1 | 39,6 | 6,35 | brown |
| 500/0 | VG95234P0 | – | 0 | 030-8614-000 | – | 9,1 | 13,55 -0,15 | 11,5 +0,15 | 14,35 -0,1 | 41,0 | 6,35 | – |
| | VG95234P500 | 50,0 | – | 030-8592-000 | – | 9,1 | 13,55 -0,15 | 10,7 +0,15 | 14,35 -0,1 | 41,0 | 6,35 | – |
| | VG95234P500-001 | 25,0 | 4 | 030-8614-010 | – | 9,1 | 13,55 -0,15 | 7,6 +0,15 | 14,35 -0,1 | 41,0 | 6,35 | white |
| | VG95234P500-002 | 35,0 | 2 | 030-8614-020 | – | 9,1 | 13,55 -0,15 | 9,1 +0,15 | 14,35 -0,1 | 41,0 | 6,35 | grey |
| | | 16,0 | – | 030-8614-030 | – | 9,1 | 13,55 -0,15 | 6,2 +0,15 | 14,35 -0,1 | 41,0 | 6,35 | – |

Dimensions shown in mm
Specifications and dimensions subject to change

## Contacts

Standard contacts and contacts with reduced termination diameter

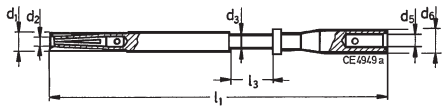
**Socket contacts**

**Finish**

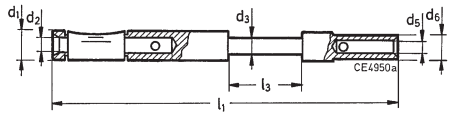
A36 – 5 µm silver plated and passivated

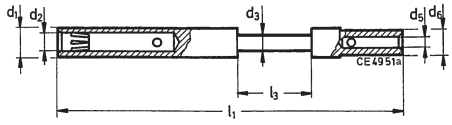
A176 – 2 µm nickel plated, min. 0,5 µm gold plated

Size 10/20

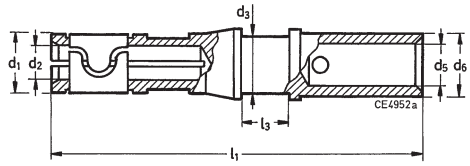



Size 25/12




Size 15S/16S, 15/16




Size 60/100/8, 160/4, 500/0

| Contact size | VG95234 Part no. | Wire size mm² | AWG | Part no. with finish Standard: A36 silver plated | Part no. with finish Mod.Code A176 gold plated | $d_1$ | $d_2$ +0,05 | $d_3$ | $d_5$ | $d_6$ | $l_1$ ±0,2 | $l_3$ ±0,1 | Color Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10/20 | VG95234S10 | 0,5-1,0 | 20/18 | 031-8554-000 | 031-8554-006 | 2,0 -0,1 | 1,07 | 1,5 -0,05 | 1,5 +0,05 | 2,4 -0,05 | 36,8±0,3 | 4,75 | – |
| | VG95234S10-001 | 0,2-0,4 | 26/22 | 031-8554-010 | – | 2,0 -0,1 | 1,07 | 1,5 -0,05 | 0,9 +0,05 | 2,4 -0,05 | 36,8±0,3 | 4,75 | blue |
| 15S/16S | VG95234S15S | 0,75-1,5 | 18/16 | 031-8555-110 | 031-8555-115 | 3,2 -0,15 | 1,65 | 1,75 -0,1 | 1,75 +0,08 | 2,75 -0,05 | 29,1 | 3,9 | – |
| | VG95234S15S-002 | 0,3-0,6 | 22/20 | 031-8688-110 | 031-8688-115 | 3,2 -0,15 | 1,65 | 1,75 -0,1 | 1,20 +0,1 | 2,75 -0,05 | 29,1 | 3,9 | red |
| | VG95234S15S-001 | 0,14-0,38 | 22/26 | 031-8555-130 | – | 3,2 -0,15 | 1,65 | 1,75 -0,1 | 0,90 +0,05 | 2,75 -0,05 | 29,1 | 3,9 | blue |
| 15/16 | VG95234S15 | 0,75-1,5 | 18/16 | 031-8556-110 | 031-8556-115 | 3,2 -0,15 | 1,65 | 1,75 -0,1 | 1,75 +0,08 | 2,75 -0,05 | 37,8 | 7,9 | – |
| | VG95234S15-002 | 0,3-0,6 | 22/20 | 031-8639-120 | 031-8639-115 | 3,2 -0,15 | 1,65 | 1,75 -0,1 | 1,2 +0,1 | 2,75 -0,05 | 37,8 | 7,9 | red |
| | VG95234S15-001 | 0,14-0,38 | 22/26 | 031-8556-130 | – | 3,2 -0,15 | 1,65 | 1,75 -0,1 | 0,9 +0,05 | 2,75 -0,05 | 37,8 | 7,9 | blue |
| 25/12 | VG95234S25 | 2,0-3,0 | 14/12 | 031-8557-000 | 031-8557-006 | 4,8 -0,1 | 2,45 | 3,3 -0,1 | 2,5 +0,1 | 3,8 -0,1 | 37,0 | 7,9 | – |
| | VG95234S25-001 | 0,75-1,5 | 18/16 | 031-8557-020 | 031-8557-026 | 4,8 -0,1 | 2,45 | 3,3 -0,1 | 1,75 +0,08 | 3,4 -0,1 | 37,0 | 7,9 | black |
| | | 4,0 | – | 031-8557-010 | – | 4,8 -0,1 | 2,45 | 3,3 -0,1 | 2,8 +0,1 | 3,8 -0,1 | 37,0 | 7,9 | – |
| | | 0,3–0,6 | 22/20 | 031-8557-040 | – | 4,8 -0,1 | 2,45 | 3,3 -0,1 | 1,2 +0,1 | 2,75 -0,1 | 37,0 | 7,9 | – |
| 60/100/8 | VG95234S8 | – | 8 | 031-8519-000 | 031-8519-006 | 6,5 -0,2 | 3,65 | 6,25 -0,2 | 4,55 +0,1 | 6,8 -0,1 | 40,1 | 6,35 | – |
| | VG95234S60 | 6,0 | 10 | 031-8558-000 | – | 6,5 -0,2 | 3,65 | 6,25 -0,2 | 3,5 +0,1 | 6,8 -0,1 | 40,1 | 6,35 | yellow |
| | VG95234S100 | 10,0 | – | 031-8559-000 | – | 6,5 -0,2 | 3,65 | 6,25 -0,2 | 4,8 +0,1 | 6,8 -0,1 | 40,1 | 6,35 | – |
| | VG95234S60-001 | 2,0-3,0 | 14/12 | 031-8519-010 | – | 6,5 -0,2 | 3,65 | 6,25 -0,2 | 2,5 +0,05 | 6,8 -0,1 | 40,1 | 6,35 | green |
| 160/4 | VG95234S4 | – | 4 | 031-8520-000 | – | 8,6 -0,2 | 5,8 | 9,55 -0,2 | 7,1 +0,15 | 9,55 -0,1 | 40,1 | 6,35 | – |
| | VG95234S160 | 16,0 | – | 031-8560-000 | – | 8,6 -0,2 | 5,8 | 9,55 -0,2 | 6,2 +0,15 | 9,55 -0,1 | 40,1 | 6,35 | – |
| | | 10,0 | – | 031-8560-020 | – | 8,6 -0,2 | 5,8 | 9,55 -0,2 | 4,8 +0,1 | 9,55 -0,1 | 40,1 | 6,35 | – |
| | VG95234S160-001 | – | 6 | 031-8520-010 | – | 8,6 -0,2 | 5,8 | 9,55 -0,2 | 5,7 +0,15 | 9,55 -0,1 | 40,1 | 6,35 | brown |
| 500/0 | VG95234S0 | – | 0 | 031-8521-000 | – | 13,2 -0,2 | 9,15 | 13,55 -0,2 | 11,5 +0,15 | 14,35 -0,1 | 41,6 | 6,35 | – |
| | VG95234S500 | 50,0 | – | 031-8561-000 | – | 13,2 -0,2 | 9,15 | 13,55 -0,2 | 10,7 +0,15 | 14,35 -0,1 | 41,6 | 6,35 | – |
| | VG95234S500-001 | 25,0 | 4 | 031-8521-010 | – | 13,2 -0,2 | 9,15 | 13,55 -0,2 | 7,6 +0,15 | 14,35 -0,1 | 41,6 | 6,35 | white |
| | VG95234S500-002 | 35,0 | 2 | 031-8521-020 | – | 13,2 -0,2 | 9,15 | 13,55 -0,2 | 9,1 +0,15 | 14,35 -0,1 | 41,6 | 6,35 | grey |
| | | 16,0 | – | 031-8521-030 | – | 13,2 -0,2 | 9,15 | 13,55 -0,2 | 6,2 +0,15 | 14,35 -0,1 | 41,6 | 6,35 | – |

## Tools

For pin and socket contacts according VG95234 and for Cannon contacts with reduced coupling dimensions.

| Contact Size | | Wire size mm² | AWG | Hand Crimp Tools | Order Reference | Crimp Locator | Order Reference |
|---|---|---|---|---|---|---|---|
| 10 | | 0,5-1,0 | 20/18 | | | 600325 (mod.TH 452) | 121586-0034 |
| | | 0,2-0,4 | 26/22 | | | | |
| Pin | 15S/16S | 0,75-1,5 | 18/16 | | | | |
| | | 0,3-0,6 | 22/20 | | | | |
| | | 0,14-0,38 | 22/26 | | | | |
| Socket | 15S/16S | 0,750-1,5 | 18/16 | M22520-1-01 | 995-0001-585 | 600324 (mod.TH 452) | 121586-0033 |
| | | 0,3-0,6 | 22/20 | | | | |
| | | 0,14-0,38 | 22/26 | | | | |
| 15/16 | | 0,75-1,5 | 18/16 | | | TH 452 | 995-0002-052 |
| | | 0,3-0,6 | 22/20 | | | | |
| | | 0,14-0,38 | 22/26 | | | | |
| 25/12 | | 2,0-3,0 | 14/12 | | | | |
| | | 0,75-1,5 | 18/16 | | | | |
| | | 4 | | | | | |
| | | | | **Hydraulic Handpump** | **Order Number** | **Electro Hydraulic Tool** | **Order Number** |
| 60/100/8 | | 6<br>2,0-3,0 | 8<br>10<br>14/12 | HPW400U-ITT | 121586-5257 | HP400EL-ITT | 121586-5253 |
| 160/4 | | 16<br>10 | 4<br>6 | | | | |
| 500/0 | | 50<br>25<br>35<br>16 | 0<br>-<br>4<br>2<br>- | | | | |

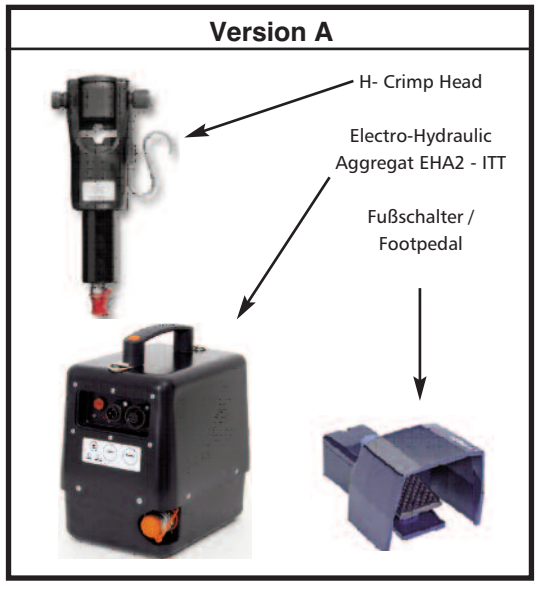
### Crimp Contacts

Connectors of series CA-COM and CA-COM-B are also available with crimp contacts for AWG wire sizes. In order to wire, insert and extract these contacts the tools mentioned on this page are needed. All tools have to be ordered separately.

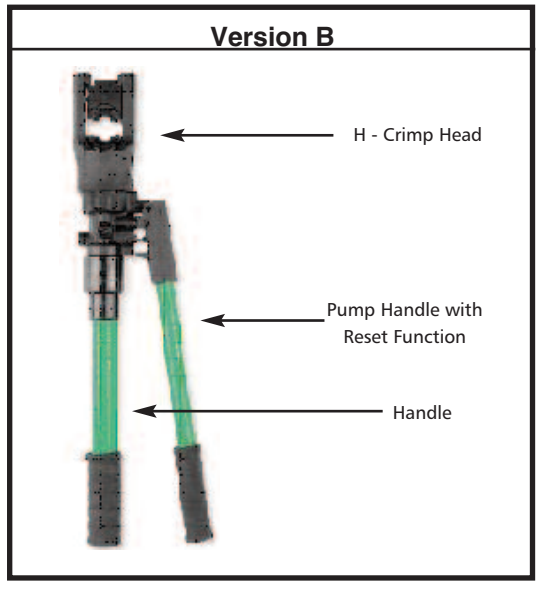
| Insertion Tools | | Insertion Pliers | | Extraction Tools | | Guiding Pins for Socket Contacts |
|---|---|---|---|---|---|---|
| Part No. | Order Reference | Part No. | Order Reference | Part No. | Order Reference | |
| CIT 20 | 121086-3009 | CIT-F80-20 | 121086-0098 | CET-F80-20 | 121086-0082 | |
| CIT 16 | 121086-3008 | CIT-F80-16 | 121086-0097 | CET-F80-16 | 121086-0081 | 27977-16T50 |
| CIT 12 | 121086-3007 | CIT-F80-12 | 121086-0096 | CET-F80-12 | 121086-0080 | 27977-12T8 |
| CIT 8 | 121086-0095 | | | CET-8 | 121086-0079 | |
| CIT 4 | 121086-0094 | | | CET-4 | 121086-0078 | |
| CIT 0 | 121086-0093 | | | CET-0 | 121086-0077 | |


Dimensions shown in mm
Specifications and dimensions subject to change

## Basic - Hydraulic - Electrically driven tool



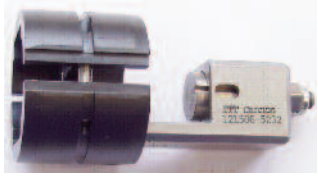

## Basic - Hydraulic - Manual Operated tool




| Version | Description | Marking | Part Number |
|---|---|---|---|
| A | Electro-Hydraulic - Aggregat with footpedal | HP400EL-ITT | 121586-5253 |
| B | Manually operated Hydraulic handtool | HPW400U-ITT | 121586-5257 |

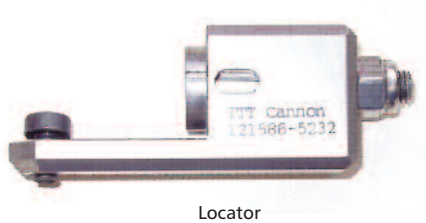
## Crimp Dies

| Product Line | Contact Size | Part Number | Hex. Diameter | Stamped label | Cable Size | |
|---|---|---|---|---|---|---|
| | | | | | AWG | $mm^2$ |
| MS/CA VG 95234 | 60/100/8 | 121586-5231 | 5,20 | 01 | 8 | 6/10 |
| | 160/4 | 121586-5230 | 7,25 | 02 | 4 | 16 |
| | 500/0 | 121586-5229 | 11,40 | 03 | 0 | 50 |
| Locator | MS / CA | 121586-5232 | | | | |



Crimp die with locator

Crimp die




Locator

**Notes**

1. For large series production, semi-automatic crimp machine Type HACS-IV-MSXX upon request
2. For insertion and extraction of the contacts and for connector assembly, see Assembly Instructions MIL-C-5015/VG95234
3. Standard contacts acc. to MIL-C-5015/VG95234

* Datasheet available upon request

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**THIS NOTE MUST BE READ IN CONJUNCTION WITH THE PRODUCT DATA SHEET/CATALOG. FAILURE TO OBSERVE THE ADVICE IN THIS INFORMATION SHEET AND THE OPERATING CONDITIONS SPECIFIED IN THE PRODUCT DATA SHEET/ CATALOG COULD RESULT IN HAZARDOUS SITUATIONS.**

**1. MATERIAL CONTENT AND PHYSICAL FORM**

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials and can be divided into two groups.

a) Printed circuit types and low cost audio types which employ all plastic insulators and casings.

b) Rugged, Fire Barrier and High Reliability types with metal casings and either natural rubber, synthetic rubber, plastic or glass insulating materials. Contact materials vary with type of connector and also application and are usually manufactured from either: Copper, copper alloys, nickel, alumel, chromel or steel. In special applications, other alloys may be specified.

**2. FIRE CHARACTERISTICS AND ELECTRIC SHOCK HAZARD**

There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionization and burning. Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering or slack screw terminals. Overheating may occur if the ratings in the product Data Sheet/Catalog are exceeded and can cause breakdown of insulation and hence electric shock. If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper of spring contacts, formation of oxide film on contacts and wires and leakage currents through carbonization of insulation and tracking paths. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

**3. HANDLING**

Care must be taken to avoid damage to any component parts of electrical connectors during installation and use. Although there are normally no sharp edges, care must be taken when handling certain components to avoid injury to fingers. Electrical connectors may be damaged in transit to the customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

**4. DISPOSAL**

Incineration of certain materials may release noxious or even toxic fumes.

**5. APPLICATION**

Connectors with exposed contacts should not be selected for use on the current supply side of an electrical circuit, because an electric shock could result from touching exposed contacts on an unmated connector. Voltages in excess of 30 V ac or 42.5 V dc are potentially hazardous and care should be taken to ensure that such voltages cannot be transmitted in any way to exposed metal parts of the connector body. The connector and wiring should be checked, before making live, to have no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Circuit resistance and continuity check should be made to make certain that there are no high resistance joints or spurious conducting paths. Always use the correct application tools as specified in the Data Sheet/Catalog. Do not permit untrained personnel to wire, assemble or tamper with connectors. For operation voltage please see appropriate national regulations.

**IMPORTANT GENERAL INFORMATION**

(i) Air and creepage paths/Operating voltage. The admissible operating voltages depend on the individual applications and the valid national and other applicable safety regulations.

For this reason the air and creepage path data are only reference values. Observe reduction of air and creepage paths due to PC board and/or harnessing.

(ii) Temperature

All information given are temperature limits. The operation temperature depends on the individual application.

(iii) Other important information

Cannon continuously endeavors to improve their products. Therefore, Cannon products may deviate from the description, technical data and shape as shown in this catalog and data sheets.

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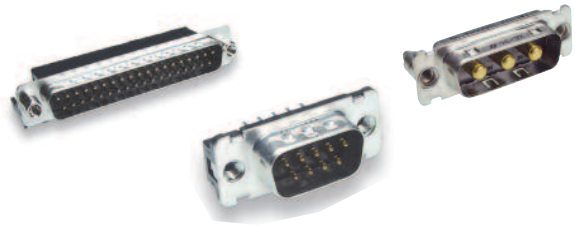
## D-Subminiature Connectors



Cannon invented D-sub connectors in 1952. Our family of D-Subs now includes combinations of signal, power and RF, as well as severe service sealed connectors. Cannon D-Subs are available with an extensive line of backshells and accessories and are one of the most economical shielded connector solutions available. ITT D-Sub connectors are qualified to the MIL-DTL-24308 specification.

**www.ittcannon.com/dsubs**

## Fiber Optic Connectors and Cable Assemblies

Cannon fiber optic solutions provide an excellent performance/cost value. Performance may be tailored to the end system, with our use of superior materials and bonding agents providing highly effective solutions. Our wide variety of products includes fiber optic hybrid contacts, multi-channel, rack and panel, and hi-rel assemblies, including MIL and ARINC standard solutions.

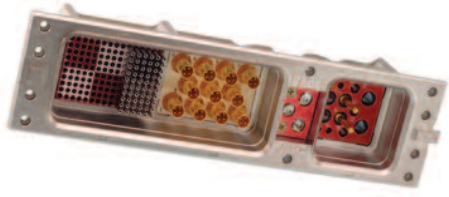
**www.ittcannon.com/fiberoptics**

## Microminiature Connectors

Developed first by Cannon in the 1960's, Interconnect Solutions microminiature connectors offer high performance and reliability with exceptional versatility. Available in rectangular, circular, and strip configurations for countless applications, many of our connectors meet or exceed applicable requirements of the MIL-DTL-83513 specification.

**www.ittcannon.com/micro**

## Rack and Panel Connectors



Initially pioneered by Cannon during the 1930s, Interconnect Solutions is the world leader in rack and panel connectors, offering unmatched variety of shell configurations and insert arrangements, materials, plating, and contact options. Many of our standard and custom designs meet the stringent requirements of ARINC 600, ARINC 404 (MIL-C-81659), and MIL-DTL-83733 standards.

**www.ittcannon.com/rackandpanel**

## RF Connectors

ITT Interconnect Solutions has been providing interconnect products to the Microwave and RF industry since 1963 (formerly The Sealectro Corporation). The RF 50 & 75 Ohm product lines cover UHF band through Ku band requirements. These connectors and cable assemblies are available with a thread type, snap type, bayonet type or slide on coupling method. The frequencies range from DC to 18+ GHz.

**www.ittcannon.com/RF50 • www.ittcannon.com/RF75**

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