

# AUTHORISED REPRESENTATIVE:

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# How to order VG Order reference

# Series Shell style Dash Shell size Contact arrangement Contact type Contact termination Insulator position With / without contacts Plating

# Explanation

#### Series

VG95234

#### Shell style

J1, J2, N1, N2, S1, U1, U2 – wall mounting receptacle F, V – cable connection receptacle A, B1, B2 – box mounting receptacle C1, C2 – bulkhead receptacle D, G, H, L, M, R1, T – straight plug E, E1, K – plug 90°

#### Shell size

10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36

# **Contact arrangement**

See pages 13 to 26

# **Contact type**

P – Pin contact

S - Socket contact

# **Contact termination**

Without identification = metric crimp contacts Identification '1' = AWG crimp contacts Identification '2' = mixed AWG and metric crimp contacts

# **Insulator position**

Positions N, X, Y allowed only, see details on 'contact arrangement' pages 13-23

#### With / without contacts

Without identification = with crimp contacts Identification '1' = without crimp contacts, to be ordered separately

# **Plating**

Without identification = cadmium Identification 'H' = RoHS, black, ZnCo plating, VG approved

\* 'H' is the VG plating modification identical to commercial plating A239

# Important!

VG contact arrangements are restricted. Only those layouts listed in VG95234 standard are allowed. See the following pages for VG permitted layouts and contact arrangements.

Further details about contact terminations / wire ranges can be found on pages 54-59.

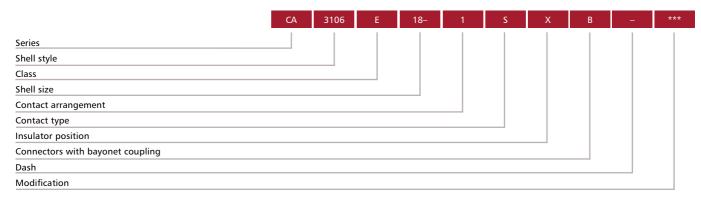
# Accessories acc. to VG

Dummy receptacles	VG95234 BOD
Gaskets, front mount	VG95234 DA
Gaskets, rear mount	VG95234 DH
Protecting caps	VG95234 KR
Protecting caps	VG95234 KB
Cable clamps	VG95234 KK
Bushing	VG95234 KT

Dimensions shown in mm Specifications and dimensions subject to change

### How to order

## **Cannon Order reference**



# Explanation

#### **Series**

CA - Circular connectors with bayonet coupling

#### Shell style

3100 - Wall mounting receptacle

3101 - Cable connecting receptacle

3102 – Box mounting receptacle

3105 - Dummy receptacle for front and panel mounting

3106 - Plug, straight

3108 - Plug, 90°

TBF – Bulkhead receptacle

#### Class

E – environmental with resilient insulators and endbell with clamp and bushing

F – environmental with resilient insulator and endbell for flex tube

R – environmental with resilient insulator and shortened light-weight endbell without cable clamp

# Shell size

10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36

# **Contact arrangement**

See pages 13 to 26

## **Contact type**

P – Pin

S – Socket

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 13-23) 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 24.

# Modification

see page 12

Dimensions shown in mm
Specifications and dimensions subject to change



#### Modifications

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

80

- 02 adapter for heat shrink boots AWG crimp contacts
- 03 adapter for heat shrink boots, metric crimp contacts
- rear mount, thread holes in flange, metric crimp contacts (CA3102 only)
- o5 rear mount, through holes in flange, (CA3100, CA 3102, rear mounting CA 20, TBF)
- 06 adaptor for heat shrink boots, solder pot contacts
  - angular endbell, thread holes in flange (for CA3100 only)
- angular endbell, through holes in flange (for CA3100 only)
- 13 shielded version, solder pot contacts
- 14 shielded version, metric crimp contacts
- 15 shielded version, AWG crimp contacts
- 32 shielded version, reduced cable entry diameter
- 41 grounding spring on barrel
- 109 F80 contacts, rear mount, thread holes in flange (for CA3102 only)
- 111 rear mount, thread holes in flange (CA3102 only), solder pot contacts
- F80 AWG crimp contacts
- A176 gold plated contact, see pages 54-55
- A232 Zinc cobalt black plating
- A233 Zinc cobalt green plating
- A239 Zinc cobalt black plating, VG approved A240 – Zinc Nickel plating, blue grey plating
- F42 less grommet and backshell
- FO less contacts, contacts to be ordered separately, see pages 54-55

## Important!

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Further details about contact terminations / wire ranges can be found on pages 54-59.

# With Spring Washer and Friction Ring

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

#### **Advantage**

Improved resistance to vibration

#### How to order

Delete "31" from standard part number and then insert "W" after Class E, F or R.

Example: CA06EW10SL-3P-B-14

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

# Additional Connector Options

# CA3100E-B-02/03/06

Adapter for heat shrink boot

#### CA3100E-B-13/14/15

Adapter for shielded cables

# CA02L-B

Receptacle with PCB solder contacts

#### CA20L-B

Rear mount receptacle with PCB solder contacts

# CA06EH\*

H stands for High temperature FKM insulator and sealing material

#### CA07A-F

Jam nut receptacle

# CA00EP-B-TL\*

TINEL-LOCK adapter

#### CA06EW-B-TLXX\*

TINEL-LOCK adapter

# CA06PG/ME

PG or Metric gland adapter

\*Consult factory for availability