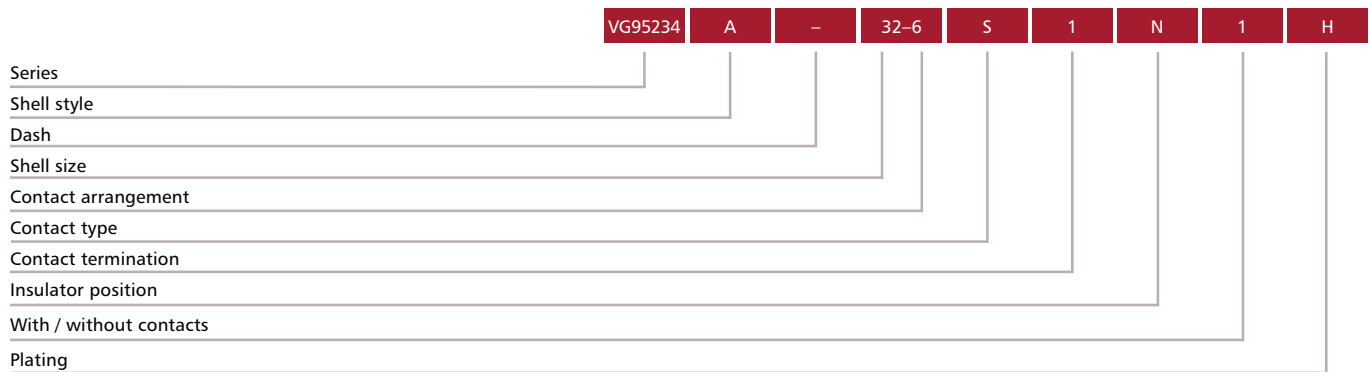


How to order

VG Order reference



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

| | CA | 3106 | E | 18- | 1 | S | X | B | - | *** |
|----------------------------------|----|------|---|-----|---|---|---|---|---|-----|
| Series | | | | | | | | | | |
| Shell style | | | | | | | | | | |
| Class | | | | | | | | | | |
| Shell size | | | | | | | | | | |
| Contact arrangement | | | | | | | | | | |
| Contact type | | | | | | | | | | |
| Insulator position | | | | | | | | | | |
| Connectors with bayonet coupling | | | | | | | | | | |
| Dash | | | | | | | | | | |
| Modification | | | | | | | | | | |

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 mismatching. 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)

- 01 – metric crimp contacts
- 02 – adapter for heat shrink boots AWG crimp contacts
- 03 – adapter for heat shrink boots, metric crimp contacts
- 04 – rear mount, thread holes in flange, metric crimp contacts (CA3102 only)
- 05 – rear mount, through holes in flange, (CA3100, CA 3102, rear mounting CA 20, TBF)
- 06 – adaptor for heat shrink boots, solder pot contacts
- 08 – angular endbell, thread holes in flange (for CA3100 only)
- 09 – 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
- F0 – less contacts, contacts to be ordered separately, see pages 54-55

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.

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-B

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