

Amphenol

GCA

Bayonet and threaded



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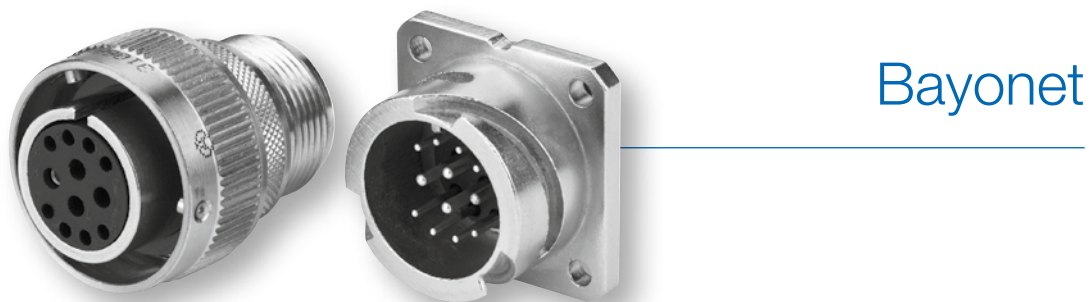
GCA

These connectors with reverse bayonet coupling are compliant to the VG95234 standard. Offering a high liability, they are coevally waterproof and resistant to vibrations and wear. They use the same installation dimensions and contact arrangements as connectors according to MIL-C-5015, however they are provided with reverse bayonet coupling and ondular washer, which guarantee a fast and effortless locking/unlocking and avoid an unintentional unlatch due to heavy vibrations.

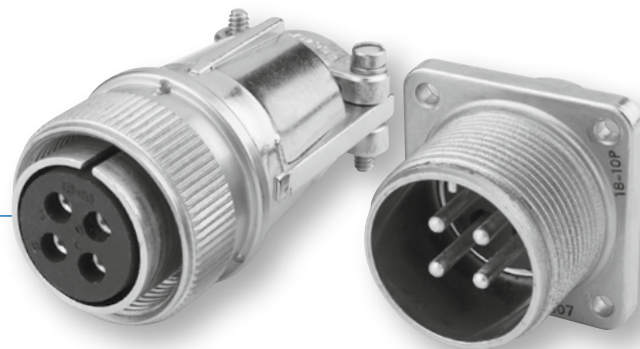
This series comes standard with a nickel surface and solder contacts.

Common applications include industrial plants and railway vehicles as well as propulsion technologies, machine tools, measurement and robotics.

The GCA-B connectors are fully interchangeable and intermateable with GCB-B connectors. They also offer a variety of additional arrangements. They have the same technical setup as GCB-B series.



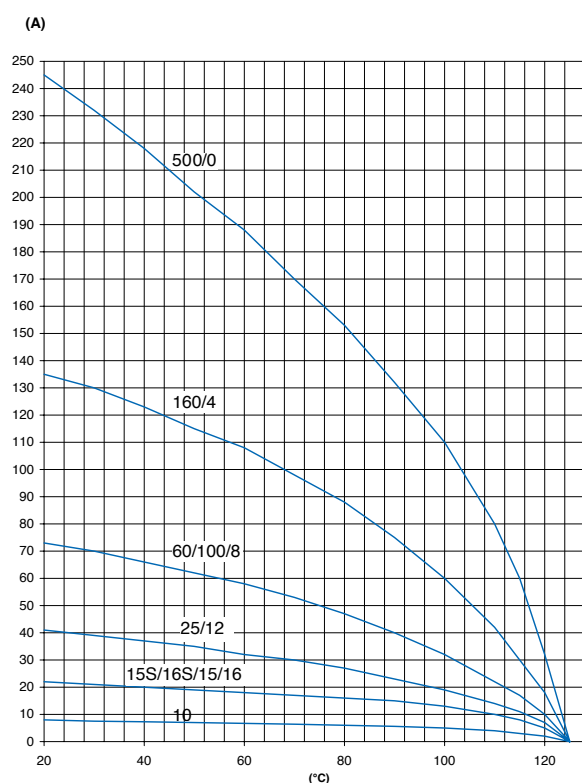
Thread



Nominal current 20°C

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

Rated current

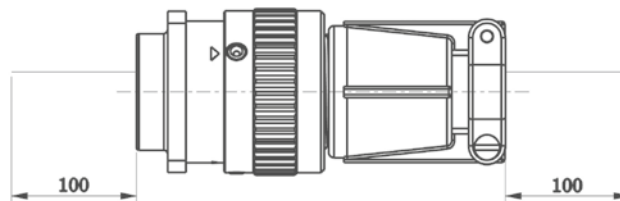


Insulation resistance

≥ 1.000 MΩ

Contact resistance

(See picture below for measuring conditions)



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

Dielectric withstanding voltage

| Voltage class | Test voltage U _{eff} (V) |
|---------------|-----------------------------------|
| 1 | 1050 |
| 2 | 1600 |
| 3 | 2500 |
| 4 | 3000 |

Air creepage and creeping distance

| Voltage class | 1 | 2 | 3 | 4 |
|---------------|-----|-----|-----|-----|
| Value (mm) | 0,7 | 1,1 | 2,8 | 4,8 |

Rated voltage

If the connectors shown in this catalogue are used for voltage > 50 V eff against earth, all accessible conductive parts have to be included reliably into the preventive measures of the equipment. **These connectors must not be connected or disconnected under voltage.**

Operating temperature

-55 / +125 °C

Mating cycles

Min. 500

IP code

All backshells with grommet are IP67 (only if all cavities are used). For connectors with PG- or metrical backshell, the IP code depends on the IP code of the adapter which will be used.

Vibration

200 m/s² at 10 to 2000 Hz

Contact retention force

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

Materials

Shells Aluminium alloy/Other plating on request
 Inserts Neoprene
 Contacts Standard finish: Copper alloy silver plated/Other plating
 Special finish: A176 nickel and hard gold plating

Harnessing

GCA connectors are designed for single wire harnessing, if an individual wire sealing grommet is used. Wires have to conform to wire and insulation diameters with the data given in the following table:

| Contact size | | Crimp/Solder contacts | | Insulation ø | |
|--------------|-----------|-----------------------|------------------------|--------------|-----------|
| AWG | Metric mm | AWG | Metric mm ² | 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 |

Coupling torques

The admissible coupling torque has to be tested under harnessed condition.

| Shell size | Admissible torque | | |
|------------|-----------------------------|-------|-------------------|
| | Closing & Opening (Nm max.) | | Opening (Nm min.) |
| | GCA | GCA-B | |
| 10SL | 3,0 | 1,7 | 0,15 |
| 12S | 3,8 | 2,5 | 0,23 |
| 14S | 5,9 | 3,6 | 0,35 |
| 16S / 16 | 7,0 | 5,5 | 0,46 |
| 18 | 8,0 | 8,0 | 0,58 |
| 20 | 9,0 | 9,0 | 0,70 |
| 22 | 10,6 | 11,0 | 0,80 |
| 24 | 12,9 | 14,0 | 0,80 |
| 28 | 16,7 | 17,0 | 0,92 |
| 32 | 18,1 | 19,0 | 1,02 |
| 36 | 23,9 | 23,0 | 1,05 |

Wire Stripping

Either mechanical or hot stripping can be used. Prevent conductors or insulators 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 | | Stripping length mm |
|--------------|--------|---------------------|
| AWG | Metric | |
| - | 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 |

| | | | | | | | |
|-----|----|-----|------|---|---|-----|-------|
| GCA | 06 | E – | 18-1 | P | W | | XX-XX |
| GCA | 06 | E – | 18-1 | P | W | B – | XX-XX |

Series GCA – Amphenol Air-LB Connector

Series

00 – Wall Mount receptacle with backshell
 01 – Cable connecting plug with backshell
 02 – Box mounting receptacle*
 20 – Box mounting receptacle, rear mounting*
 06 – Plug, straight
 08 – Plug, 90°

Class

E – Backshell with cable clamp
 F – Backshell for flex tube
 PG / ME – Backshell for PG termination / Backshell for metric termination
 M – Backshell for shielding braids and heatshrink
 EGM11 - Backshell with integrated gland for screen termination (Cable min. 5,7 mm - max. 10,85 mm)
 EGM21 – Backshell with integrated gland for screen termination (Cable min. 12,7 mm - max. 17,85 mm)
 L – PCB solder termination (only Series 02 and 20)

Shell size + contact arrangements

10SL , 12S , 14S , 16S , 16 , 18 , 20 , 22 , 24 , 28 , 32 , 36
 Contact arrangements see page 8 – 16

Contact type

P – Pin
 S – Socket

Angular insert position

N – Normal (no suffix)
 Alternate positions: W , X , Y , and Z see page 8 – 16

Coupling

B – Bayonet coupling
 Without designation – threaded coupling

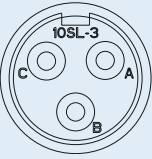
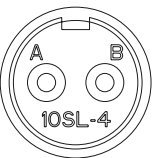
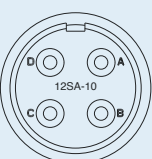
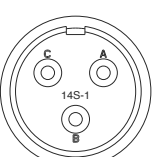
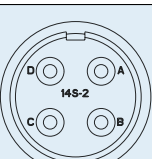
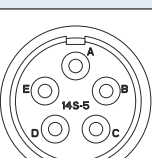
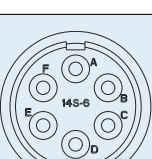
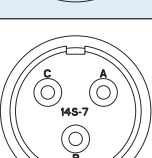
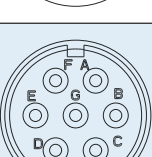
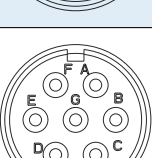
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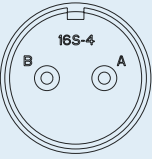
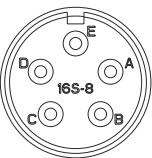
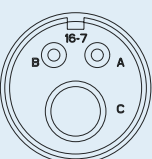
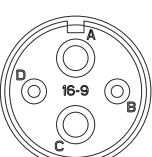
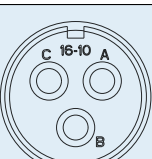
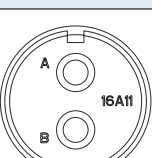
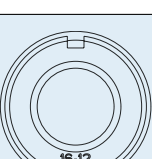
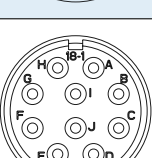
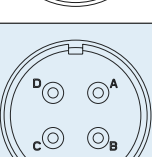
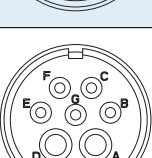
01 – Metric crimp contacts
 03 – Backshell for heat shrink and metric contacts (Bayonet only)
 06 – Backshell for heat shrink and solder pot contacts (Bayonet only)
 44 – With endring and grommet (class E and F only)
 48 – Backshell F with O – Ring to the plug
 BM29 – Threaded flange holes, shell style 00/20 (threaded only)
 DN – Backshell for heat shrink (threaded only)
 F0 – Without contacts (to be ordered separately)
 F42 – Without backshell
 A176 – Gold plated contacts
 A232 – Zinc cobalt black plating
 A233 – Zinc cobalt green plating
 A240 – Zinc nickel black plating (**only on request**)
 A241 – Electrophoretic black non conductive plating
 FR - Fire resistant

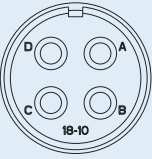
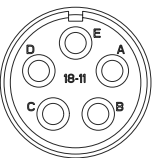
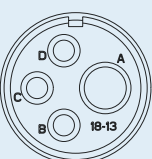
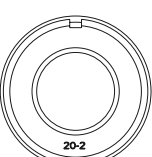
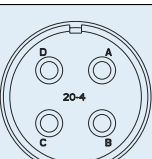
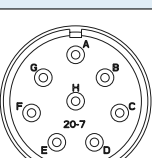
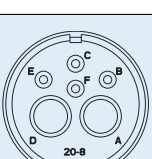
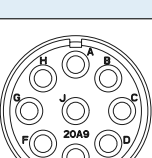
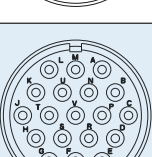
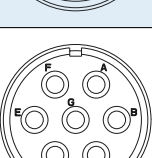
* = no backshells available

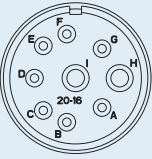
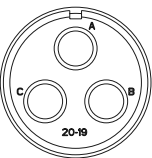
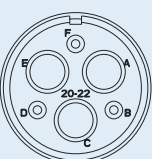
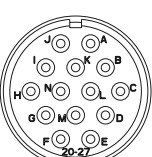
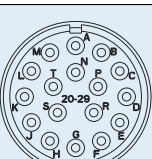
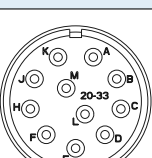
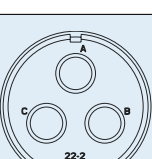
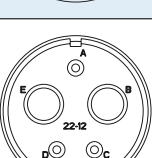
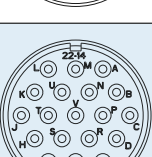
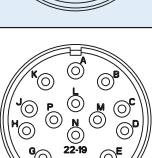
| Contact insert | Number of contacts | Contact size | | | | | |
|----------------|--------------------|--------------|----------|----------------|----------|----------|----------|
| | | 500 0 | 160 4 | 60 100 8 | 25 12 | 15 16 | 10 20 |
| 16-12 | 1 | | 1 | | | | |
| 20-2 | 1 | 1 | | | | | |
| 10SL-4 | 2 | | | | | 2 | |
| 16S-4 | 2 | | | | | 2 | |
| 16A11 | 2 | | | | 2 | | |
| 24-9 | 2 | | 2 | | | | |
| 32-5 | 2 | 2 | | | | | |
| 10SL-3 | 3 | | | | | 3 | |
| 14S-1 | 3 | | | | | 3 | |
| 14S-7 | 3 | | | | | 3 | |
| 16-7 | 3 | | | 1 | | 2 | |
| 16-10 | 3 | | | | 3 | | |
| 20-19 | 3 | | | 3 | | | |
| 22-2 | 3 | | | 3 | | | |
| 12SA10 | 4 | | | | | 4 | |
| 14S-2 | 4 | | | | | 4 | |
| 16-9 | 4 | | | | 2 | 2 | |
| 18-4 | 4 | | | | | 4 | |
| 18-10 | 4 | | | | 4 | | |
| 18-13 | 4 | | | 1 | 3 | | |
| 20-4 | 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 | | | | | |
| 14S-5 | 5 | | | | | 5 | |
| 16S-8 | 5 | | | | | 5 | |
| 18-11 | 5 | | | | 5 | | |
| 22-12 | 5 | | | 2 | | 3 | |
| 24-12 | 5 | | 2 | | 3 | | |
| 32-1 | 5 | 2 | | | 3 | | |
| 14S-6 | 6 | | | | | 6 | |
| 20-8 | 6 | | | 2 | | 4 | |
| 20-22 | 6 | | | 3 | | 3 | |
| 28-22 | 6 | | 3 | | | 3 | |
| 36-3 | 6 | 3 | | | 3 | | |
| 36-6 | 6 | 2 | 4 | | | | |
| | | | | | | | |

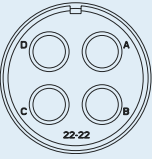
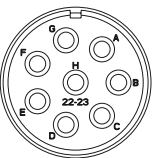
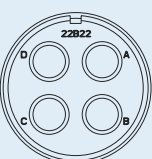
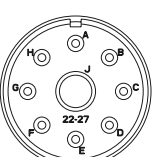
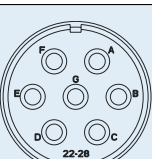
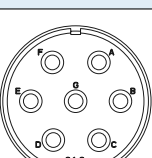
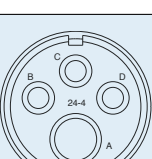
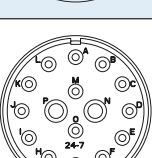
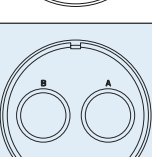
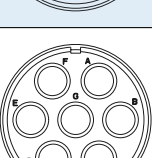
| Contact insert | Number of contacts | Contact size | | | | | |
|----------------|--------------------|--------------|----------|----------------|----------|----------|----------|
| | | 500 0 | 160 4 | 60 100 8 | 25 12 | 15 16 | 10 20 |
| 14SA7 | 7 | | | | | 7 | |
| 16S-1 | 7 | | | | | 7 | |
| 18-9 | 7 | | | | 2 | 5 | |
| 20-15 | 7 | | | | 7 | | |
| 22-28 | 7 | | | | 7 | | |
| 24-2 | 7 | | | | 7 | | |
| 24-10 | 7 | | | 7 | | | |
| 20-7 | 8 | | | | | 8 | |
| 22-23 | 8 | | | | 8 | | |
| 32-15 | 8 | 2 | | | 6 | | |
| 36A35 | 8 | 4 | | | | 4 | |
| 20A9 | 9 | | | | 9 | | |
| 20-16 | 9 | | | | 2 | 7 | |
| 22-27 | 9 | | | 1 | | 8 | |
| 24-11 | 9 | | | 3 | 6 | | |
| 28A16 | 9 | | 4 | | | 5 | |
| 32-3 | 9 | 1 | 2 | | 2 | 4 | |
| 18-1 | 10 | | | | | 10 | |
| 20-33 | 11 | | | | | 11 | |
| 24-20 | 11 | | | | 2 | 9 | |
| 28-9 | 12 | | | | 6 | 6 | |
| 20-27 | 14 | | | | | 14 | |
| 22-19 | 14 | | | | | 14 | |
| 28-20 | 14 | | | | 10 | 4 | |
| 24-7 | 16 | | | | 2 | 14 | |
| 20-29 | 17 | | | | | 17 | |
| 20A48 | 19 | | | | | 19 | |
| 22-14 | 19 | | | | | 19 | |
| 28-11 | 22 | | 4 | | | 18 | |
| 32-6 | 23 | | 2 | 3 | 2 | 16 | |
| 24-28 | 24 | | | | | 24 | |
| 28-12 | 26 | | | | | 26 | |
| 28A63 | 28 | | | | 9 | 19 | |
| 28-15 | 35 | | | | | 35 | |
| 32-7 | 35 | | | | 7 | 28 | |
| 28-21 | 37 | | | | | 37 | |
| 36-10 | 48 | | | | | 48 | |
| 32A10 | 54 | | | | | 54 | |
| 32A55 | 55 | | | | | 55 | |
| 32A69 | 61 | | | | | 20 | 41 |

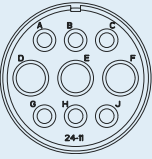
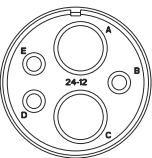
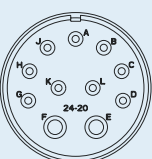
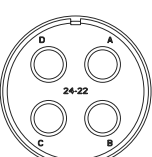
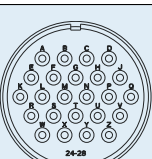
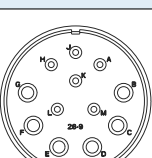
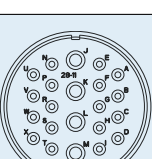
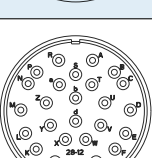
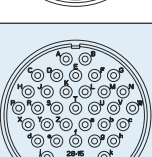
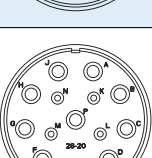
| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|------|----------------------------|--|----|-----|-----|---|
| | | Number | Size | | N | W | X | Y | Z |
|  | 10SL-3 | 3 | 15S | 1600 V | 0 | | | | |
|  | 10SL-4 | 2 | 15S | 1600 V | 0 | | | | |
|  | 12SA-10 | 4 | 15S | 1600 V | 0 | | | | |
|  | 14S-1 | 3 | 15S | 1600 V | 0 | | | | |
|  | 14S-2 | 4 | 15S | 1050 V | 0 | | 120 | 240 | |
|  | 14S-5 | 5 | 15S | 1050 V | 0 | | 110 | | |
|  | 14S-6 | 6 | 15S | 1050 V | 0 | | | | |
|  | 14S-7 | 3 | 15S | 1600 V | 0 | 90 | 180 | 270 | |
|  | 14SA7 | 7 | 15S | 1050 V | 0 | | | | |
|  | 16S-1 | 7 | 15S | 1600 V | 0 | 80 | | 280 | |

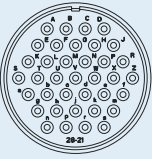
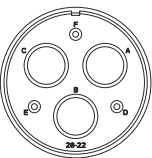
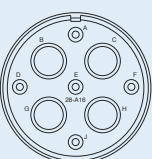
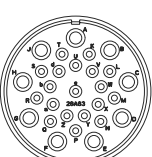
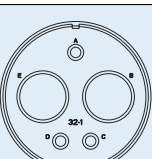
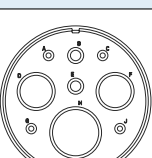
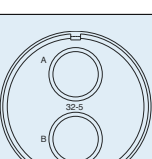
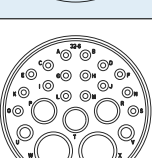
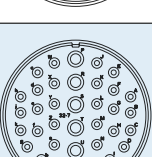
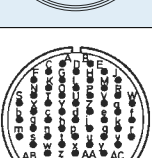
| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|------|----------------------------|--|----|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 16S-4 | 2 | 15S | 2500 V | 0 | 35 | 110 | 250 | 325 |
|  | 16S-8 | 5 | 15S | 1600 V | 0 | | 170 | 265 | |
|  | 16-7 | 2 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 1 | 100 | | | | | | |
|  | 16-9 | 2 | 15 | 1600 V | 0 | 35 | 110 | 250 | 325 |
| | | 2 | 25 | | | | | | |
|  | 16-10 | 3 | 25 | 1600 V | 0 | 90 | 180 | 270 | |
|  | 16A11 | 2 Pin | 25A | 1600 V | 0 | | 110 | 250 | |
| | | 2 Socket | 25 | | | | | | |
|  | 16-12 | 1 | 160 | 1600 V | 0 | | | | |
|  | 18-1 | 10 | 15 | B,C,F,G – 1600 V | 0 | 70 | 145 | 215 | 290 |
| | | | | A,D,E,H,I,J – 1050 V | | | | | |
|  | 18-4 | 4 | 15 | 2500 V | 0 | 35 | 110 | 250 | 325 |
|  | 18-9 | 5 | 15 | 1050 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | 25 | | | | | | |

| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|-------|--------------------------------------|--|----|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 18-10 | 4 | 25 | 1600 V | 0 | | 120 | 240 | |
|  | 18-11 | 5 | 25 | 1600 V | 0 | | 170 | 265 | |
|  | 18-13 | 3 | 25 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 1 | 60 | | | | | | |
|  | 20-2 | 1 | AWG 0 | 2500 V | 0 | | | | |
|  | 20-4 | 4 | 25 | 2500 V | 0 | 45 | 110 | 250 | |
|  | 20-7 | 8 | 15 | A,B,G,H – 2500 V C,D,E,F – 1600 V | 0 | 80 | 110 | 250 | 280 |
|  | 20-8 | 4 | 15 | 1050 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | 100 | | | | | | |
|  | 20A9 | 9 | 25 | J – 2500 V; all other – 1050 V | 0 | | 110 | 250 | |
|  | 20A48 | 19 | 15 | 1050 V | 0 | | 80 | 280 | |
|  | 20-15 | 7 | 25 | 1600 V | 0 | 80 | | | 280 |


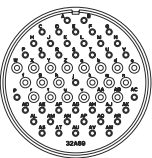
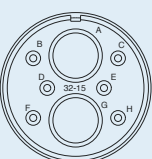
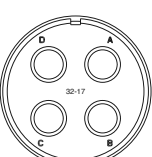
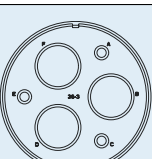
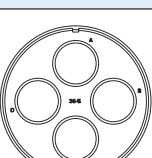
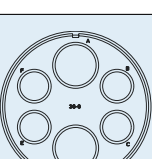
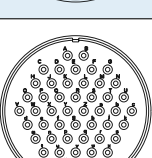
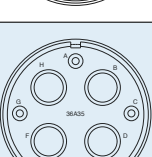
| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|-------|----------------------------|--|----|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 20-16 | 7 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | 25 | | | | | | |
|  | 20-19 | 3 | AWG 8 | 1600 V | 0 | 90 | 180 | 270 | |
|  | 20-22 | 3 | AWG 8 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | | 3 | | | | | | |
|  | 20-27 | 14 | 15 | 1600 V | 0 | 35 | 110 | 250 | 325 |
|  | 20-29 | 17 | 15 | 1600 V | 0 | 80 | | | 280 |
|  | 20-33 | 11 | 15 | 1600 V | 0 | | | | |
|  | 22-2 | 3 | AWG 8 | 2500 V | 0 | 70 | 145 | 215 | 290 |
|  | 22-12 | 3 | 15 | 2500 V | 0 | 80 | 110 | 250 | 280 |
| | | | 2 | | | | | | |
|  | 22-14 | 19 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
|  | 22-19 | 14 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |

| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|-------|-----------------------------------|--|----|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 22-22 | 4 | 100 | 1600 V | 0 | | 110 | 250 | |
|  | 22-23 | 8 | 25 | H – 2500 V; all other – 1600 V | 0 | 35 | | 250 | |
|  | 22B22 | 4 | 60 | 1600 V | 0 | | 110 | 250 | |
|  | 22-27 | 8 | 15 | J – 2500 V; all other – 1600 V | 0 | 80 | | 250 | 280 |
| | | 1 | 60 | | | | | | |
|  | 22-28 | 7 | 25 | 1600 V | 0 | 80 | | | 280 |
|  | 24-2 | 7 | 25 | 2500 V | 0 | 80 | | 280 | |
|  | 24-4 | 3 | 15 | 2500 V | 0 | 80 | 110 | 250 | 280 |
| | | 1 | 500 | | | | | | |
|  | 24-7 | 14 | 15 | 1050 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | 25 | | | | | | |
|  | 24-9 | 2 | AWG 4 | 1600 V | 0 | 35 | 110 | 250 | 325 |
|  | 24-10 | 7 | 100 | 1600 V | 0 | 80 | | | 280 |

| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|----------------|----------------------------|--|----|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 24-11 | 6 | AWG12* Metr 25 | 1600 V | 0 | 35 | 110 | 250 | 325 |
| | | 3 | AWG8* Metr 100 | | | | | | |
|  | 24-12 | 3 | AWG 12 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | AWG 4 | | | | | | |
|  | 24-20 | 9 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | 25 | | | | | | |
|  | 24-22 | 4 | AWG 8 | 2500 V | 0 | 45 | 110 | 250 | |
|  | 24-28 | 24 | 15 | 1050 V | 0 | 80 | 110 | 250 | 280 |
|  | 28-9 | 6 | 25 | 2500 V | 0 | 80 | 110 | 250 | 280 |
| | | 6 | 15 | | | | | | |
|  | 28-11 | 18 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 4 | 25 | | | | | | |
|  | 28-12 | 26 | 15 | 1600 V | 0 | 90 | 180 | 270 | |
|  | 28-15 | 35 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
|  | 28-20 | 4 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 10 | 25 | | | | | | |

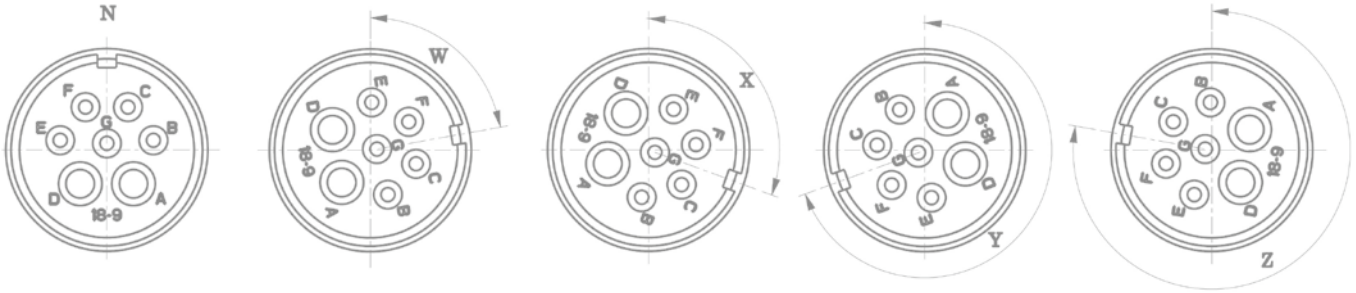
| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|--------------------|---|--|------|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 28-21 | 37 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
|  | 28-22 | 3 | AWG 16* Metr 15 | 2500 V | 0 | 70 | 145 | 215 | 290 |
| | | 3 | AWG 4* Metr 160 | | | | | | |
|  | 28A16 | 5 | 15 | 1600 V | 0 | Spec | | | |
| | | 4 | AWG 4 | | | | | | |
|  | 28A63 | 19 | 15 | E – 1600 V; all other – 1050 V | 0 | | 100 | 260 | |
| | | 9 | 25 | | | | | | |
|  | 32-1 | 3 | AWG 12* Metr 25 | A – 3000 V; all other – 2500 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | AWG 0* Metr 500 | | | | | | |
|  | 32-3 | 4 | AWG 16 | 2500 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | AWG 12 | | | | | | |
| | | 2 | AWG 4 | | | | | | |
| | | 1 | AWG 0 | | | | | | |
|  | 32-5 | 2 | AWG 0 | 2500 V | 0 | 35 | 110 | 250 | 325 |
|  | 32-6 | 16 | AWG16* Metr 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
| | | 2 | AWG 12* Metr 25 | | | | | | |
| | | 3 | AWG 8* Metr 60 | | | | | | |
| | | 2 | AWG 4* Metr 160 | | | | | | |
|  | 32-7 | 28 | 15 | A,B,H,J – 1050 V; all other – 1600 V | 0 | 80 | 125 | 235 | 280 |
| | | 7 | 25 | | | | | | |
|  | 32A10 | 54 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |

*Not for new design

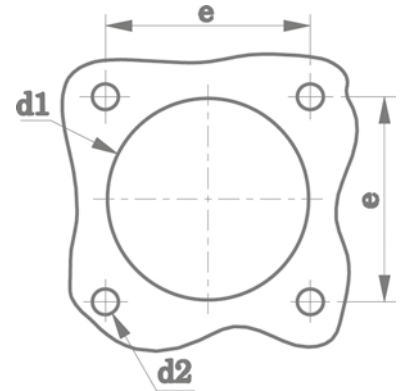
| Front face of pin insert illustrated | Contact arrangement | Contacts | | Voltage class for contacts | Angular position of the contact insert | | | | |
|---|---------------------|----------|--------------------|----------------------------|--|----|-----|-----|-----|
| | | Number | Size | | N | W | X | Y | Z |
|  | 32A55 | 55 | 15 | 1600 V | 0 | 80 | 110 | 250 | 280 |
|  | 32A69 | 41 | 10 | 1050 V | 0 | | 110 | 250 | |
| | | 20 | 15 | | | | | | |
|  | 32-15 | 6 | 25 | 2500 V | 0 | 35 | 110 | 250 | 325 |
| | | 2 | 500 | | | | | | |
|  | 32-17 | 4 | AWG 4 | 2500 V | 0 | 45 | 110 | 250 | |
|  | 36-3 | 3 | AWG 12* Metr 25 | 2500 V | 0 | 70 | 145 | 215 | 290 |
| | | 3 | AWG 0* Metr 500 | | | | | | |
|  | 36-5 | 4 | AWG 0* Metr 500 | 1600 V | 0 | | 120 | 240 | |
|  | 36-6 | 4 | AWG 4 | 1600 V | 0 | 35 | 110 | 250 | 325 |
| | | 2 | AWG 0 | | | | | | |
|  | 36-10 | 48 | 15 | 1600 V | 0 | 80 | 125 | 235 | 280 |
|  | 36A35 | 4 | 15 | 1600 V | 0 | | | | |
| | | 4 | 0 | | | | | | |

*Not for new design

The angular positions W, X, Y and Z are used when polarisation is required for connectors of the same size and same number of poles. The following figures show the view on the front face of the pin insert or the termination face of the socket insert.



Mounting dimensions



| Style | d1 | d1 | d2 | d2 | e ± 0,15 | Applicable screws according to* | |
|------------|---------|--------------------|-------------------------------|--------------------|----------|---------------------------------|----------------|
| | GCA02 – | GCA00 – GCA20 – | GCA02 – GCA00 – GCA20 – | GCA00 – GCA20 – | | entry holes | threaded holes |
| Shell size | | | | | | | |
| 10SL | 17,0 | 19,1 | 3,4 | 4,5 | 18,2 | M3 | M4 |
| 12S | 17,0 | 22,0 | 3,4 | 4,5 | 20,6 | M3 | M4 |
| 14S | 20,0 | 25,5 | 3,4 | 4,5 | 23,0 | M3 | M4 |
| 16S/16 | 23,0 | 28,3 | 3,4 | 4,5 | 24,6 | M3 | M4 |
| 18 | 26,5 | 31,7 | 3,4 | 4,5 | 27,0 | M3 | M4 |
| 20 | 30,0 | 35,0 | 3,4 | 4,5 | 29,4 | M3 | M4 |
| 22 | 33,0 | 38,3 | 3,4 | 4,5 | 31,8 | M3 | M4 |
| 24 | 36,0 | 41,8 | 3,9 | 4,5 | 34,9 | M3,5 | M4 |
| 28 | 42,0 | 47,6 | 3,9 | 5,5 | 39,7 | M3,5 | M5 |
| 32 | 48,5 | 54,3 | 4,5 | 5,5 | 44,5 | M4 | M5 |
| 36 | 55,0 | 60,5 | 4,5 | 5,5 | 49,2 | M4 | M5 |

* For using safety elements care shall be taken that the external diameter of safety elements is no larger than the diameter of the screw head

Connector type 06 E

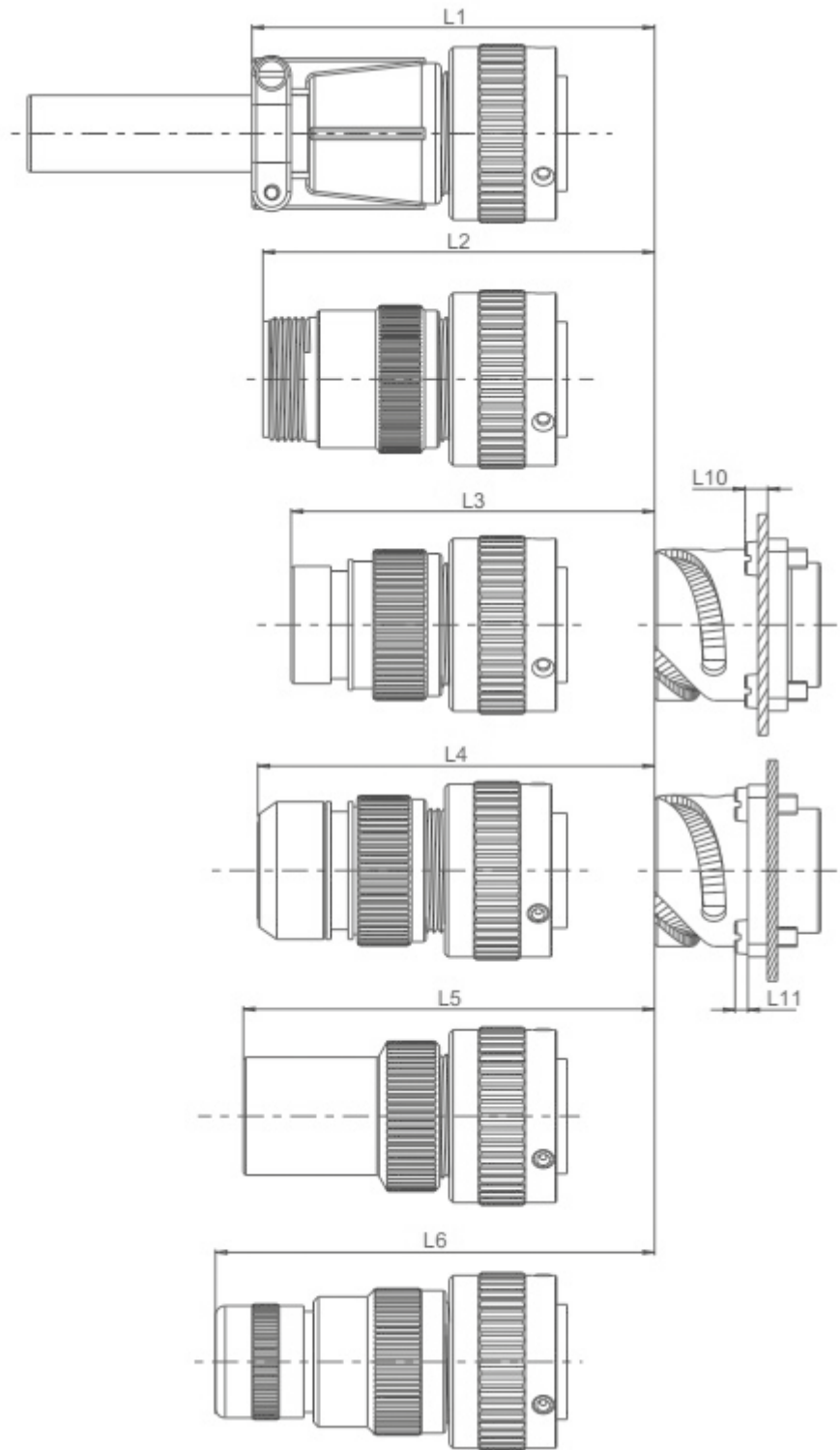
Connector type 06 F

Connector type 06-03
Connector type 06-DN

Connector type 06 M

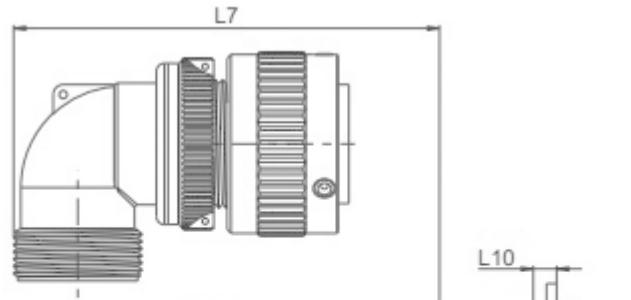
Connector type 06 PG/ME

Connector type 06 EGM

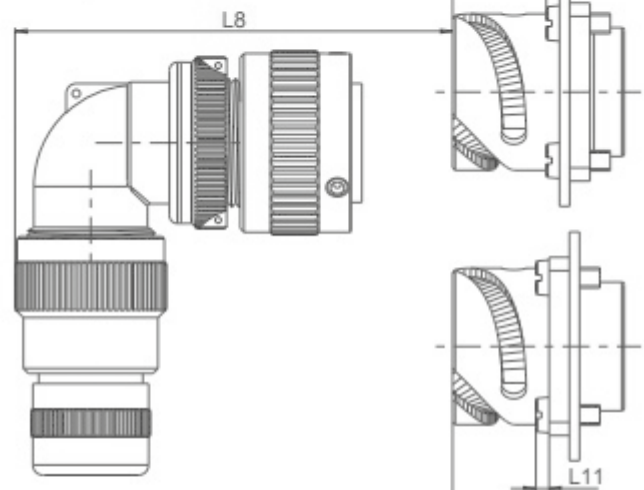


| Shell size | l_1 min. | l_2 min. | l_3 min. | l_4 min. | l_5 min. | l_6 min. | l_7 min. | l_8 min. | l_9 min. | l_{10} max. | l_{11} max. |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---------------|---------------|
| 10SL | 70 | 70 | 65 | 70 | 75 | 80 | 70 | 70 | 70 | 8,0 | 3,5 |
| 12S | 70 | 70 | 65 | 70 | 75 | 80 | 75 | 75 | 75 | 8,0 | 3,5 |
| 14S | 70 | 70 | 65 | 70 | 75 | 80 | 75 | 75 | 75 | 8,0 | 3,5 |
| 16S | 70 | 70 | 65 | 70 | 75 | 80 | 80 | 80 | 80 | 8,0 | 3,5 |
| 16 | 80 | 80 | 75 | 80 | 85 | 90 | 90 | 90 | 90 | 8,0 | 3,5 |
| 18 | 90 | 90 | 85 | 90 | 95 | 100 | 90 | 90 | 90 | 8,0 | 3,5 |
| 20 | 90 | 90 | 85 | 90 | 95 | 100 | 95 | 95 | 95 | 8,0 | 3,5 |
| 22 | 90 | 90 | 85 | 90 | 95 | 100 | 95 | 95 | 95 | 8,0 | 3,5 |
| 24 | 110 | 110 | 100 | 110 | 115 | 120 | 105 | 105 | 105 | 8,0 | 5,0 |
| 28 | 110 | 110 | 100 | 110 | 115 | 120 | 105 | 105 | 105 | 9,0 | 5,0 |
| 32 | 110 | 110 | 100 | 110 | 115 | 120 | 115 | 115 | 115 | 9,0 | 6,0 |
| 36 | 110 | 110 | 100 | 110 | 115 | 120 | 120 | 120 | 120 | 9,0 | 6,0 |

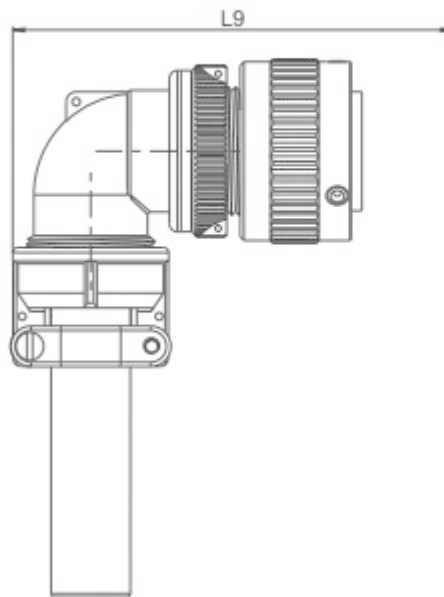
Connector type 08 F



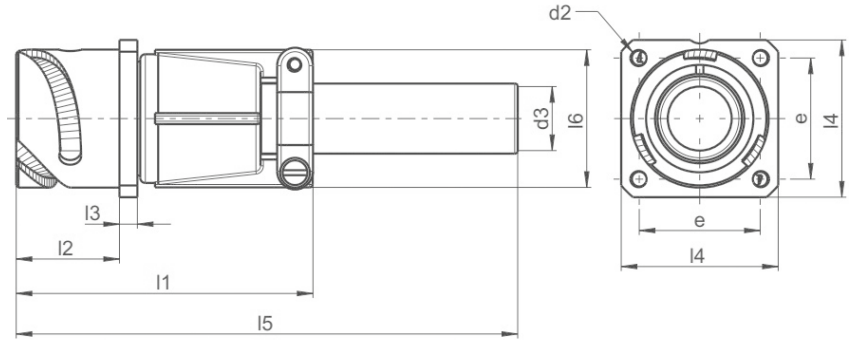
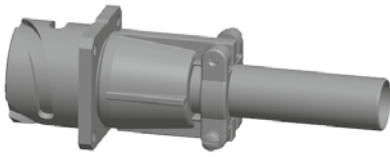
Connector type 08 EGM



Connector type 08 E



| Shell size | l_1 min. | l_2 min. | l_3 min. | l_4 min. | l_5 min. | l_6 min. | l_7 min | l_8 min | l_9 min | l_{10} max. | l_{11} max. |
|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|-----------|---------------|---------------|
| 10SL | 70 | 70 | 65 | 70 | 75 | 80 | 70 | 70 | 70 | 8,0 | 3,5 |
| 12S | 70 | 70 | 65 | 70 | 75 | 80 | 75 | 75 | 75 | 8,0 | 3,5 |
| 14S | 70 | 70 | 65 | 70 | 75 | 80 | 75 | 75 | 75 | 8,0 | 3,5 |
| 16S | 70 | 70 | 65 | 70 | 75 | 80 | 80 | 80 | 80 | 8,0 | 3,5 |
| 16 | 80 | 80 | 75 | 80 | 85 | 90 | 90 | 90 | 90 | 8,0 | 3,5 |
| 18 | 90 | 90 | 85 | 90 | 95 | 100 | 90 | 90 | 90 | 8,0 | 3,5 |
| 20 | 90 | 90 | 85 | 90 | 95 | 100 | 95 | 95 | 95 | 8,0 | 3,5 |
| 22 | 90 | 90 | 85 | 90 | 95 | 100 | 95 | 95 | 95 | 8,0 | 3,5 |
| 24 | 110 | 110 | 100 | 110 | 115 | 120 | 105 | 105 | 105 | 8,0 | 5,0 |
| 28 | 110 | 110 | 100 | 110 | 115 | 120 | 105 | 105 | 105 | 9,0 | 5,0 |
| 32 | 110 | 110 | 100 | 110 | 115 | 120 | 115 | 115 | 115 | 9,0 | 6,0 |
| 36 | 110 | 110 | 100 | 110 | 115 | 120 | 120 | 120 | 120 | 9,0 | 6,0 |



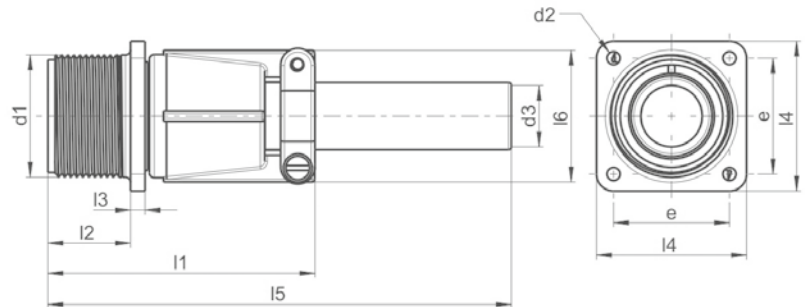
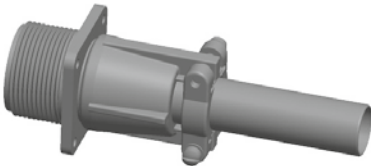
Fixed connector with mounting flange, cable clamp and bushing.

Example:
GCA00E-18-1SB

| Shell size | Thread d_2 | $d_3^{(1)}$ max. | e $\pm 0,1$ | l_1 max. | l_2 $+0,4$ | l_3 $\pm 0,2$ | l_4 $\pm 0,3$ | l_5 max. | l_6 max. |
|------------|--------------|------------------|---------------|------------|--------------|-----------------|-----------------|------------|------------|
| 10SL | M4 | 6,5 | 18,2 | 60 | 18,2 | 2,8 | 25,4 | 120 | 22,7 |
| 12S | M4 | 6,5 | 20,6 | 60 | 18,2 | 3,2 | 28,0 | 120 | 22,7 |
| 14S | M4 | 9,0 | 23,0 | 62 | 18,2 | 3,2 | 30,0 | 120 | 27,5 |
| 16S | M4 | 11,0 | 24,6 | 70 | 18,2 | 3,2 | 32,5 | 120 | 30,0 |
| 16 | M4 | 11,0 | 24,6 | 70 | 23,05 | 3,2 | 32,5 | 125 | 30,0 |
| 18 | M4 | 14,2 | 27,0 | 77 | 23,05 | 4,0 | 35,0 | 125 | 33,0 |
| 20 | M4 | 15,8 | 29,4 | 77 | 23,05 | 4,0 | 38,0 | 125 | 37,5 |
| 22 | M4 | 15,8 | 31,8 | 77 | 23,05 | 4,0 | 41,0 | 125 | 37,5 |
| 24 | M4 | 21,4 | 34,9 | 85 | 23,05 | 4,0 | 44,5 | 125 | 43,3 |
| 28 | M5 | 21,4 | 39,7 | 85 | 24,05 | 4,0 | 50,8 | 125 | 48,0 |
| 32 | M5 | 26,7 | 44,5 | 85 | 24,05 | 4,0 | 57,0 | 125 | 55,0 |
| 36 | M5 | 31,7 | 49,2 | 105 | 24,05 | 4,0 | 63,5 | 135 | 58,0 |

(1) For max. admissible cable diameter

Receptacle back panel mounting flange, cable clamp and bushing GCA00E

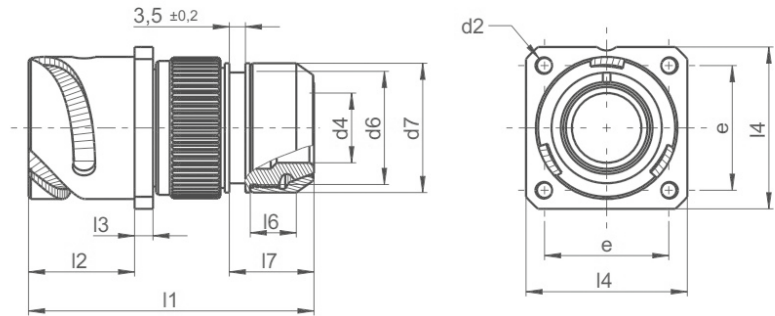
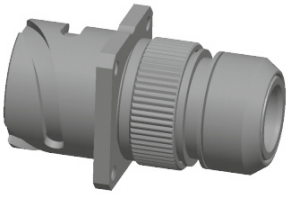


Fixed connector with mounting flange, cable clamp and bushing. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00E-18-1S

| Shell size | d_1 Class 2A | d_2 | | $d_3^{(1)}$ max. | e $\pm 0,1$ | l_1 max. | l_2 $+0,4$ | l_3 $\pm 0,2$ | l_4 $\pm 0,3$ | l_5 max. | l_6 max. |
|------------|----------------|------------------|---------------------|------------------|---------------|------------|--------------|-----------------|-----------------|------------|------------|
| | | Thread Form BM29 | \varnothing (H13) | | | | | | | | |
| 10SL | 5/8-24 UNEF | M4 | 3,05 | 6,5 | 18,2 | 60 | 14,27 | 2,17 | 25,6 | 120 | 22,7 |
| 12S | 3/4-20 UNEF | M4 | 3,05 | 6,5 | 20,6 | 60 | 14,27 | 2,17 | 28,0 | 120 | 22,7 |
| 14S | 7/8-20 UNEF | M4 | 3,05 | 9,0 | 23,0 | 62 | 14,27 | 2,17 | 30,4 | 120 | 27,5 |
| 16S | 1-20 UNEF | M4 | 3,05 | 11,0 | 24,6 | 70 | 14,27 | 2,17 | 32,8 | 120 | 30,0 |
| 16 | 1-20 UNEF | M4 | 3,05 | 11,0 | 24,6 | 70 | 19,05 | 2,17 | 32,8 | 125 | 30,0 |
| 18 | 1 1/8-18 UNEF | M4 | 3,05 | 14,2 | 27,0 | 77 | 19,05 | 3,37 | 35,1 | 125 | 33,0 |
| 20 | 1 1/4-18 UNEF | M4 | 3,05 | 15,8 | 29,4 | 77 | 19,05 | 3,37 | 38,1 | 125 | 37,5 |
| 22 | 1 3/8-18 UNEF | M4 | 3,05 | 15,8 | 31,8 | 77 | 19,05 | 3,37 | 41,5 | 125 | 37,5 |
| 24 | 1 1/2-18 UNEF | M4 | 3,73 | 21,4 | 34,9 | 85 | 20,62 | 3,37 | 44,7 | 125 | 43,3 |
| 28 | 1 3/4-18 UNS | M5 | 3,73 | 21,4 | 39,7 | 85 | 20,62 | 3,37 | 51,1 | 125 | 48,0 |
| 32 | 2 -18 UNS | M5 | 4,39 | 26,7 | 44,5 | 85 | 22,22 | 3,37 | 57,2 | 125 | 55,0 |
| 36 | 2 1/4-16 UN | M5 | 4,39 | 31,7 | 49,2 | 105 | 22,22 | 3,37 | 63,7 | 135 | 58,0 |

(1) For max. admissible cable diameter

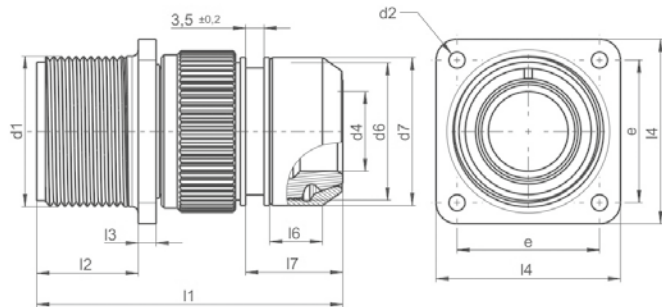
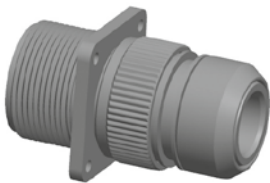


Fixed connector with mounting flange and backshell for mounting of shielding braids by pressing with a nut and heat shrinkable endshells.

Example:
GCA00M-18-1SB

| Shell size | Thread d_2 | d_4 max. | d_6 max. | d_7 +0,5 | e ±0,1 | l_1 max. | l_2 +0,4 | l_3 ±0,2 | l_4 ±0,3 | l_6 +2 | l_7 +1 |
|------------|--------------|------------|------------|------------|--------|------------|------------|------------|------------|----------|----------|
| 10SL | M4 | 8,6 | 16,3 | 18,5 | 18,2 | 55 | 18,2 | 2,8 | 25,4 | 7 | 17 |
| 12S | M4 | 9,3 | 17,0 | 20,0 | 20,6 | 57 | 18,2 | 3,2 | 28,0 | 7 | 17 |
| 14S | M4 | 10,6 | 20,0 | 22,0 | 23,0 | 58 | 18,2 | 3,2 | 30,0 | 7 | 17 |
| 16S | M4 | 13,5 | 23,0 | 25,0 | 24,6 | 70 | 18,2 | 3,2 | 32,5 | 8 | 18 |
| 16 | M4 | 13,5 | 23,0 | 25,0 | 24,6 | 70 | 23,05 | 3,2 | 32,5 | 8 | 18 |
| 18 | M4 | 14,6 | 24,5 | 28,0 | 27,0 | 70 | 23,05 | 4,0 | 35,0 | 10 | 18 |
| 20 | M4 | 18,5 | 28,5 | 32,0 | 29,4 | 70 | 23,05 | 4,0 | 38,0 | 10 | 18 |
| 22 | M4 | 20,8 | 30,5 | 34,0 | 31,8 | 70 | 23,05 | 4,0 | 41,0 | 10 | 18 |
| 24 | M4 | 24,6 | 34,5 | 38,0 | 34,9 | 70 | 23,05 | 4,0 | 44,5 | 10 | 18 |
| 28 | M5 | 27,0 | 37,5 | 41,0 | 39,7 | 70 | 24,05 | 4,0 | 50,8 | 10 | 18 |
| 32 | M5 | 33,3 | 44,0 | 48,0 | 44,5 | 75 | 24,05 | 4,0 | 57,0 | 10 | 18 |
| 36 | M5 | 38,5 | 51,0 | 55,0 | 49,2 | 85 | 24,05 | 4,0 | 63,5 | 10 | 18 |

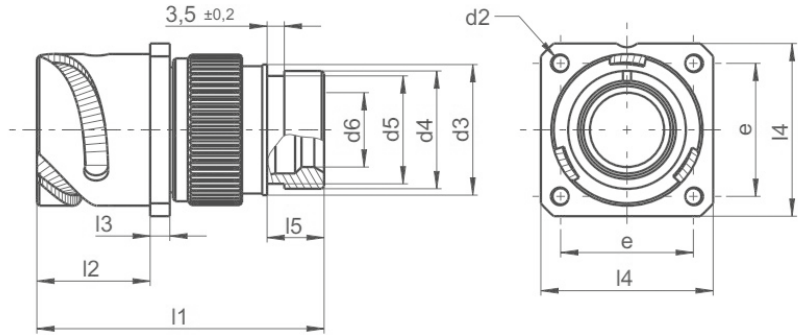
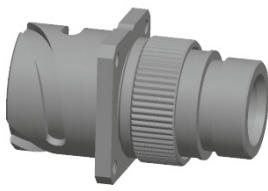
Receptacle back panel mounting flange, shielding braids and heat shrink GCA00M



Fixed connector with mounting flange and backshell for mounting of shielding braids by pressing with a nut and heat shrinkable endshells. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00M-18-1S

| Shell size | d_1 Class 2A | d_2 | | d_4 min. | d_6 max. | d_7 +0,5 | e ±0,1 | l_1 max. | l_2 +0,4 | l_3 ±0,2 | l_4 ±0,3 | l_6 +2 | l_7 +1 |
|------------|----------------|------------------|---------------------|------------|------------|------------|--------|------------|------------|------------|------------|----------|----------|
| | | Thread Form MB29 | \varnothing (H13) | | | | | | | | | | |
| 10SL | 5/8-24 UNEF | M4 | 3,05 | 8,6 | 16,3 | 18,5 | 18,2 | 55 | 14,27 | 2,17 | 25,6 | 7 | 17 |
| 12S | 3/4-20 UNEF | M4 | 3,05 | 9,3 | 17,0 | 20,0 | 20,6 | 57 | 14,27 | 2,17 | 28,0 | 7 | 17 |
| 14S | 7/8-20 UNEF | M4 | 3,05 | 10,6 | 20,0 | 22,0 | 23,0 | 58 | 14,27 | 2,17 | 30,4 | 7 | 17 |
| 16S | 1-20 UNEF | M4 | 3,05 | 13,5 | 23,0 | 25,0 | 24,6 | 70 | 14,27 | 2,17 | 32,8 | 8 | 18 |
| 16 | 1-20 UNEF | M4 | 3,05 | 13,5 | 23,0 | 25,0 | 24,6 | 70 | 19,05 | 2,17 | 32,8 | 8 | 18 |
| 18 | 1 1/8-18 UNEF | M4 | 3,05 | 14,6 | 24,5 | 28,0 | 27,0 | 70 | 19,05 | 3,37 | 35,1 | 10 | 18 |
| 20 | 1 1/4-18 UNEF | M4 | 3,05 | 18,5 | 28,5 | 32,0 | 29,4 | 70 | 19,05 | 3,37 | 38,1 | 10 | 18 |
| 22 | 1 3/8-18 UNEF | M4 | 3,05 | 20,8 | 30,5 | 34,0 | 31,8 | 70 | 19,05 | 3,37 | 41,5 | 10 | 18 |
| 24 | 1 1/2-18 UNEF | M4 | 3,73 | 24,6 | 34,5 | 38,0 | 34,9 | 70 | 20,62 | 3,37 | 44,7 | 10 | 18 |
| 28 | 1 3/4-18 UNS | M5 | 3,73 | 27,0 | 37,5 | 41,0 | 39,7 | 70 | 20,62 | 3,37 | 51,1 | 10 | 18 |
| 32 | 2 -18 UNS | M5 | 4,39 | 33,3 | 44,0 | 48,0 | 44,5 | 75 | 22,22 | 3,37 | 57,2 | 10 | 18 |
| 36 | 2 1/4-16 UN | M5 | 4,39 | 38,5 | 51,0 | 55,0 | 49,2 | 85 | 22,22 | 3,37 | 63,7 | 10 | 18 |

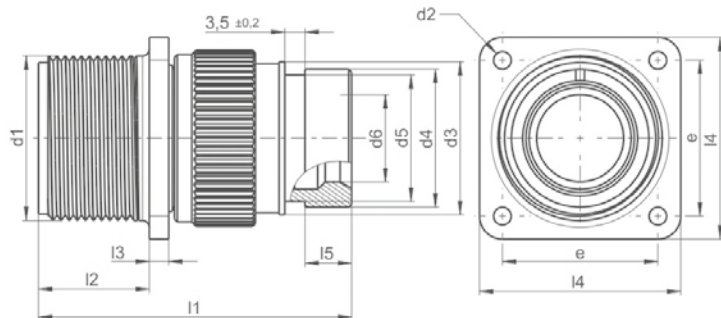
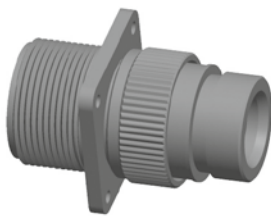


Fixed connector with mounting flange and backshell for heat shrinkable endshells.

Example:
GCA00E-18-1SB-03

| Shell size | Thread d ₂ | d ₃ +0,2 | d ₄ +0,2 | d ₅ max. | d ₆ min. | e ±0,1 | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ +0,3 | l ₅ ±0,5 |
|------------|-----------------------|---------------------|---------------------|---------------------|---------------------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | M4 | 17,0 | 15,5 | 13,3 | 7,7 | 18,2 | 55 | 18,2 | 2,8 | 25,4 | 11,7 |
| 12S | M4 | 17,0 | 15,5 | 13,3 | 7,9 | 20,6 | 55 | 18,2 | 3,2 | 28,0 | 11,7 |
| 14S | M4 | 20,1 | 19,1 | 17,0 | 10,6 | 23,0 | 70 | 18,2 | 3,2 | 30,0 | 11,7 |
| 16S | M4 | 23,5 | 23,9 | 21,9 | 13,5 | 24,6 | 70 | 18,2 | 3,2 | 32,5 | 11,7 |
| 16 | M4 | 23,5 | 23,9 | 21,9 | 13,5 | 24,6 | 70 | 23,05 | 3,2 | 32,5 | 11,5 |
| 18 | M4 | 26,5 | 23,9 | 21,9 | 14,6 | 27,0 | 70 | 23,05 | 4,0 | 35,0 | 11,5 |
| 20 | M4 | 30,2 | 29,6 | 26,2 | 18,7 | 29,4 | 70 | 23,05 | 4,0 | 38,0 | 12,7 |
| 22 | M4 | 33,6 | 29,6 | 26,2 | 20,8 | 31,8 | 70 | 23,05 | 4,0 | 41,0 | 12,7 |
| 24 | M4 | 36,1 | 37,8 | 34,5 | 24,6 | 34,9 | 70 | 23,05 | 4,0 | 44,5 | 12,7 |
| 28 | M5 | 41,4 | 37,8 | 34,5 | 27,0 | 39,7 | 70 | 24,05 | 4,0 | 50,8 | 12,7 |
| 32 | M5 | 48,6 | 47,8 | 43,6 | 33,3 | 44,5 | 75 | 24,05 | 4,0 | 57,0 | 15,2 |
| 36 | M5 | 54,8 | 47,8 | 43,6 | 38,5 | 49,2 | 85 | 24,05 | 4,0 | 63,5 | 15,2 |

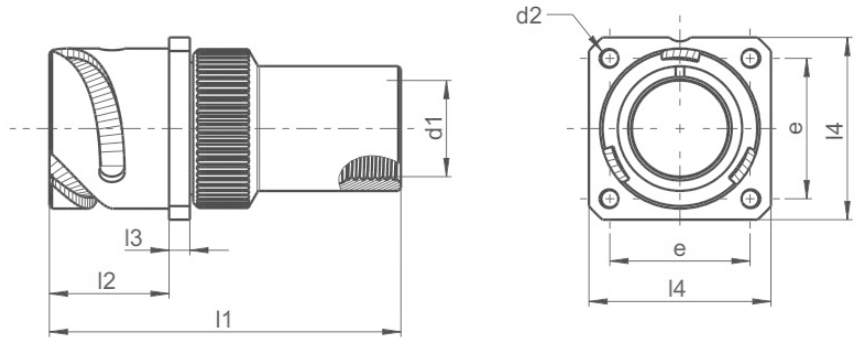
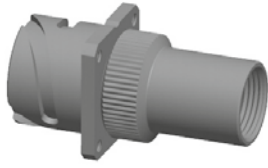
Receptacle mounting flange, heat shrink GCA00E-DN



Fixed connector with mounting flange and backshell for heat shrinkable endshells. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00E-18-1S-DN

| Shell size | d ₁ Class 2A | d ₂ | | d ₃ ±0,2 | d ₄ ±0,2 | d ₅ max. | d ₆ min. | e ±0,1 | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 | l ₅ ±0,3 |
|------------|-------------------------|------------------|---------|---------------------|---------------------|---------------------|---------------------|--------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | Thread Form BM29 | Ø (H13) | | | | | | | | | | |
| 10SL | 5/8-24 UNEF | M4 | 3,05 | 17,0 | 15,5 | 13,3 | 7,7 | 18,2 | 55 | 14,27 | 2,17 | 25,6 | 7 |
| 12S | 3/4-20 UNEF | M4 | 3,05 | 17,0 | 15,5 | 13,3 | 7,9 | 20,6 | 57 | 14,27 | 2,17 | 28,0 | 7 |
| 14S | 7/8-20 UNEF | M4 | 3,05 | 20,1 | 19,1 | 17,0 | 10,6 | 23,0 | 58 | 14,27 | 2,17 | 30,4 | 7 |
| 16S | 1-20 UNEF | M4 | 3,05 | 23,5 | 23,9 | 21,9 | 13,5 | 24,6 | 70 | 14,27 | 2,17 | 32,8 | 8 |
| 16 | 1-20 UNEF | M4 | 3,05 | 23,5 | 23,9 | 21,9 | 13,5 | 24,6 | 70 | 19,05 | 2,17 | 32,8 | 8 |
| 18 | 1 1/8-18 UNEF | M4 | 3,05 | 26,5 | 23,9 | 21,9 | 14,6 | 27,0 | 70 | 19,05 | 3,37 | 35,1 | 10 |
| 20 | 1 1/4-18 UNEF | M4 | 3,05 | 30,2 | 29,6 | 26,2 | 18,7 | 29,4 | 70 | 19,05 | 3,37 | 38,1 | 10 |
| 22 | 1 3/8-18 UNEF | M4 | 3,05 | 33,6 | 29,6 | 26,2 | 20,8 | 31,8 | 70 | 19,05 | 3,37 | 41,5 | 10 |
| 24 | 1 1/2-18 UNEF | M4 | 3,73 | 36,1 | 37,8 | 34,5 | 24,8 | 34,9 | 70 | 20,62 | 3,37 | 44,7 | 10 |
| 28 | 1 3/4-18 UNS | M5 | 3,73 | 41,1 | 37,8 | 34,5 | 27,0 | 39,7 | 70 | 20,62 | 3,37 | 51,1 | 10 |
| 32 | 2 -18 UNS | M5 | 4,39 | 48,6 | 47,8 | 43,6 | 33,3 | 44,5 | 75 | 22,22 | 3,37 | 57,2 | 10 |
| 36 | 2 1/4-16 UN | M5 | 4,39 | 54,8 | 47,8 | 43,6 | 38,5 | 49,2 | 85 | 22,22 | 3,37 | 63,7 | 10 |



Fixed connector with PG or metrical backshell ME, without grommet.

Example:

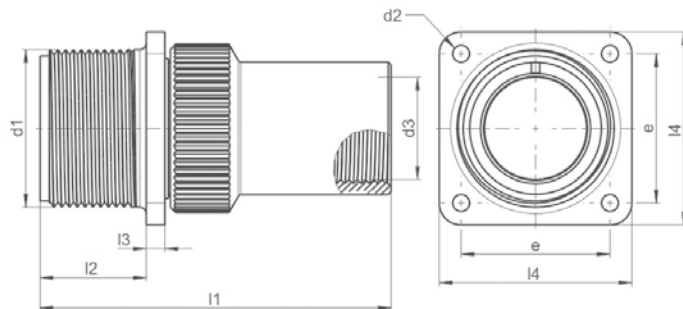
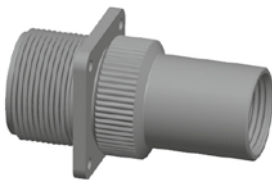
GCA00PG-18-1SB

or

GCA00ME-18-1SB

| Shell size | d1 Thread Type | | Thread d ₂ | e ±0,1 | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|----------------|---------|-----------------------|--------|---------------------|---------------------|---------------------|---------------------|
| | PG | ME | | | | | | |
| 10SL | PG9 | M12x1,5 | M4 | 18,2 | 55 | 18,20 | 2,8 | 25,4 |
| 12S | PG9 | - | M4 | 20,6 | 55 | 18,20 | 3,2 | 28,0 |
| 14S | PG11 | M16x1,5 | M4 | 23,0 | 55 | 18,20 | 3,2 | 30,0 |
| 16S | PG13,5 | M20x1,5 | M4 | 24,6 | 60 | 18,20 | 3,2 | 32,5 |
| 16 | PG13,5 | M20x1,5 | M4 | 24,6 | 70 | 23,05 | 3,2 | 32,5 |
| 18 | PG13,5 | M20x1,5 | M4 | 27,0 | 75 | 23,05 | 4,0 | 35,0 |
| 20 | PG16 | M25x1,5 | M4 | 29,4 | 75 | 23,05 | 4,0 | 38,0 |
| 22 | PG16 | M25x1,5 | M4 | 31,8 | 85 | 23,05 | 4,0 | 41,0 |
| 24 | PG16 | M25x1,5 | M4 | 34,9 | 85 | 23,05 | 4,0 | 44,5 |
| 28 | PG21 | M32x1,5 | M5 | 39,7 | 90 | 24,05 | 4,0 | 50,8 |
| 32 | PG29 | M40x1,5 | M5 | 44,5 | 95 | 24,05 | 4,0 | 57,0 |
| 36 | PG29 | M40x1,5 | M5 | 49,2 | 100 | 24,05 | 4,0 | 63,5 |

Receptacle back panel mounting flange, PG or metrical backshell GCA00PG-ME



Fixed connector with PG or metrical backshell ME, without grommet. Standard with 4 entry holes or form BM29 with 4 threaded holes.

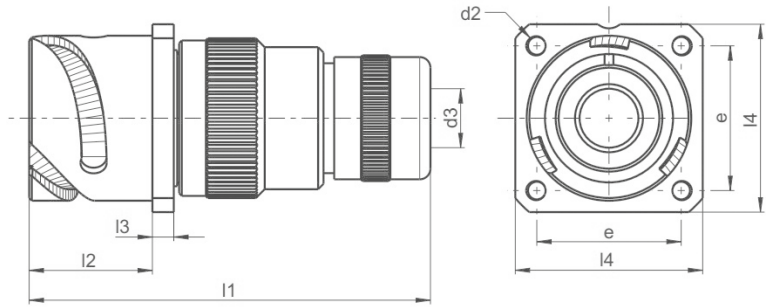
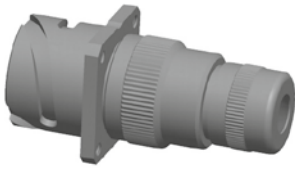
Example:

GCA00PG-18-1S

or

GCA00ME-18-1S

| Shell size | d1 Class 2A | d2 | | d ₃ Thread Type | | e ±0,1 | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|---------------|------------------|---------|----------------------------|---------|--------|---------------------|---------------------|---------------------|---------------------|
| | | Thread Form BM29 | Ø (H13) | PG | ME | | | | | |
| | | | | | | | | | | |
| 10SL | 5/8-24 UNEF | M4 | 3,05 | PG9 | M12x1,5 | 18,2 | 55 | 14,27 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | M4 | 3,05 | PG9 | - | 20,6 | 55 | 14,27 | 2,17 | 28,0 |
| 14S | 7/8-20 UNEF | M4 | 3,05 | PG11 | M16x1,5 | 23,0 | 55 | 14,27 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | M4 | 3,05 | PG13,5 | M20x1,5 | 24,6 | 60 | 14,27 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | M4 | 3,05 | PG13,5 | M20x1,5 | 24,6 | 70 | 19,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | M4 | 3,05 | PG13,5 | M20x1,5 | 27,0 | 75 | 19,05 | 3,37 | 35,1 |
| 20 | 1 1/4-18 UNEF | M4 | 3,05 | PG16 | M25x1,5 | 29,4 | 75 | 19,05 | 3,37 | 38,1 |
| 22 | 1 3/8-18 UNEF | M4 | 3,05 | PG16 | M25x1,5 | 31,8 | 85 | 19,05 | 3,37 | 41,5 |
| 24 | 1 1/2-18 UNEF | M4 | 3,73 | PG16 | M25x1,5 | 34,9 | 85 | 20,62 | 3,37 | 44,7 |
| 28 | 1 3/4-18 UNS | M5 | 3,73 | PG21 | M32x1,5 | 39,7 | 90 | 20,62 | 3,37 | 51,1 |
| 32 | 2-18 UNS | M5 | 4,39 | PG29 | M40x1,5 | 44,5 | 95 | 22,22 | 3,37 | 57,2 |
| 36 | 2 1/4-16 UN | M5 | 4,39 | PG29 | M40x1,5 | 49,2 | 100 | 22,22 | 3,37 | 63,7 |



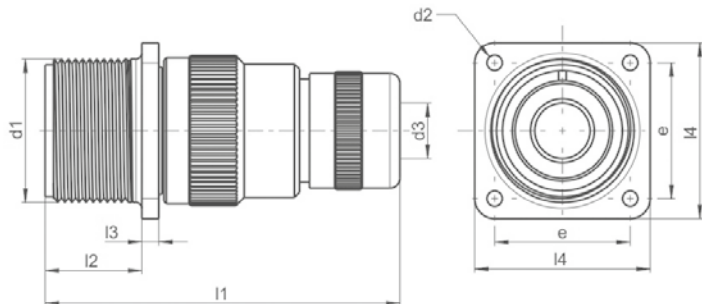
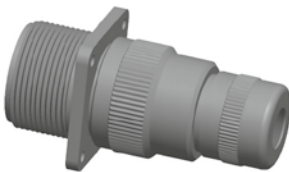
Wall mount receptacle with EGM backshell for shielded cable.

Example:
GCA00EGM11-18-1SB
or
GCA06EGM21-18-1SB

d3:
For EGM11 can accept cable min. 5,7 mm – max. 10,85 mm
For EGM21 can accept cable min. 12,7 mm – max. 17,85 mm

| Shell size | Thread d ₂ | e ±0,1 | l ₁ max | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|-----------------------|--------|--------------------|---------------------|---------------------|---------------------|
| 10SL | M4 | 18,2 | 95,6 | 18,20 | 2,8 | 25,4 |
| 12S | M4 | 20,6 | 95,6 | 18,20 | 3,2 | 28,0 |
| 14S | M4 | 23,0 | 95,6 | 18,20 | 3,2 | 30,0 |
| 16S | M4 | 24,6 | 95,6 | 18,20 | 3,2 | 32,5 |
| 16 | M4 | 24,6 | 102,0 | 23,05 | 3,2 | 32,5 |
| 18 | M4 | 27,0 | 102,0 | 23,05 | 4,0 | 35,0 |
| 20 | ON REQUEST | | | | | |
| 22 | ON REQUEST | | | | | |
| 24 | ON REQUEST | | | | | |
| 28 | ON REQUEST | | | | | |
| 32 | ON REQUEST | | | | | |
| 36 | ON REQUEST | | | | | |

Receptacle back panel mounting flange, universal shielded backshell GCA00EGM

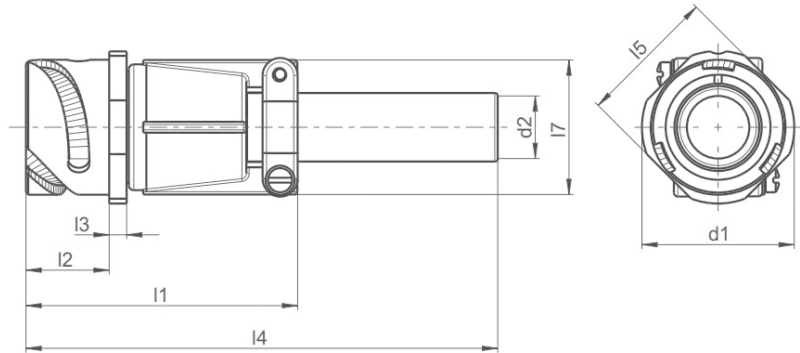
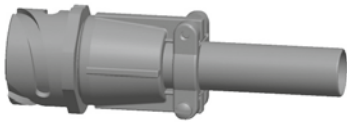


Wall mount receptacle with EGM backshell for shielded cable.
Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00EGM11-18-1S
or
GCA00EGM21-18-1S

d3:
For EGM11 can accept cable min. 5,7 mm – max. 10,85 mm
For EGM21 can accept cable min. 12,7 mm – max. 17,85 mm

| Shell size | d ₁ Class 2A | d ₂ | | e ±0,1 | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|-------------------------|------------------|---------|--------|---------------------|---------------------|---------------------|---------------------|
| | | Thread Form BM29 | Ø (H13) | | | | | |
| 10SL | 5/8-24 UNEF | M4 | 3,05 | 18,2 | 95,6 | 14,27 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | M4 | 3,05 | 20,6 | 95,6 | 14,27 | 2,17 | 28,0 |
| 14S | 7/8-20 UNEF | M4 | 3,05 | 23,0 | 95,6 | 14,27 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | M4 | 3,05 | 24,6 | 95,6 | 14,27 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | M4 | 3,05 | 24,6 | 102,0 | 19,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | M4 | 3,05 | 27,0 | 102,0 | 19,05 | 3,37 | 35,1 |
| 20 | ON REQUEST | | | | | | | |
| 22 | ON REQUEST | | | | | | | |
| 24 | ON REQUEST | | | | | | | |
| 28 | ON REQUEST | | | | | | | |
| 32 | ON REQUEST | | | | | | | |
| 36 | ON REQUEST | | | | | | | |



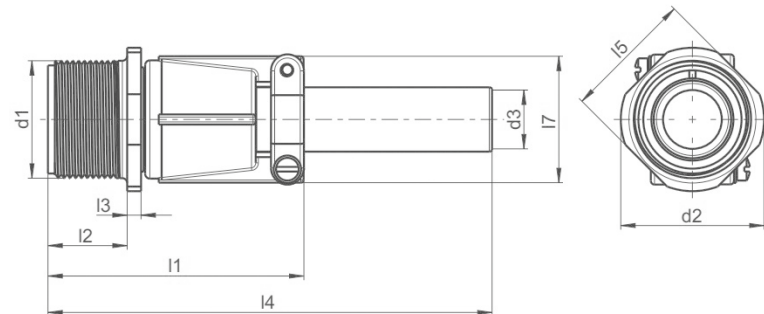
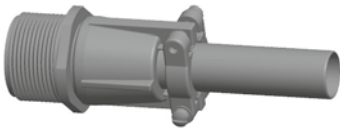
Inline receptacle, straight type, backshell with cable clamp and bushing.

Example:
GCA01E-18-1SB

| Shell size | d ₁ max | d ₂ ⁽¹⁾ max. | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ max | l ₅ ±0,2 | l ₇ max. |
|------------|-----------------------|---------------------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|
| 10SL | 25,2 | 6,5 | 60 | 14,2 | 2,8 | 120 | 20,6 | 22,7 |
| 12S | 27,6 | 6,5 | 60 | 14,2 | 3,2 | 120 | 23,6 | 22,7 |
| 14S | 29,8 | 9,0 | 62 | 14,2 | 3,2 | 120 | 25,4 | 27,5 |
| 16S | 32,3 | 11,0 | 70 | 14,2 | 3,2 | 120 | 28,6 | 30,0 |
| 16 | 32,3 | 11,0 | 70 | 19,0 | 3,2 | 125 | 28,6 | 30,0 |
| 18 | 34,8 | 14,2 | 77 | 19,0 | 4,0 | 125 | 31,7 | 33,0 |
| 20 | 37,8 | 15,8 | 77 | 19,0 | 4,0 | 125 | 34,9 | 37,5 |
| 22 | 41,1 | 15,8 | 77 | 19,0 | 4,0 | 125 | 38,1 | 37,5 |
| 24 | 44,6 | 21,4 | 85 | 20,6 | 4,0 | 125 | 41,3 | 43,3 |
| 28 | 50,9 | 21,4 | 85 | 20,6 | 4,0 | 125 | 47,6 | 48,0 |
| 32 | 57,1 | 26,7 | 85 | 22,2 | 4,0 | 125 | 54,0 | 55,0 |
| 36 | 63,6 | 31,7 | 105 | 22,2 | 4,0 | 135 | 60,6 | 58,0 |

(1) For max. admissible cable diameter

Cabel receptacle, cable clamp and bushing GCA01E

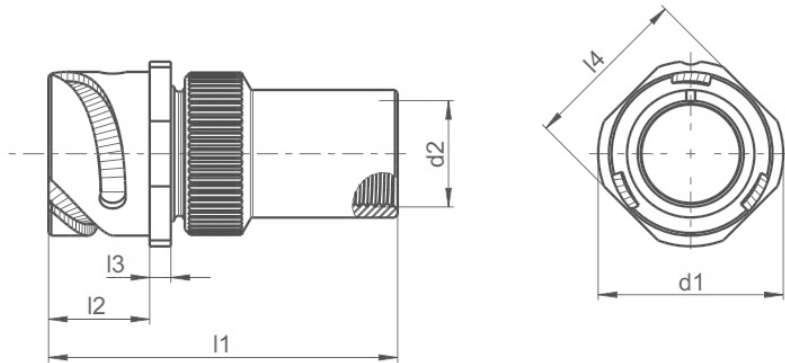
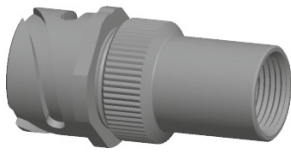


Inline receptacle, straight type, backshell with cable clamp and bushing

Example:
GCA01E-18-1S

| Shell size | d ₁ Class 2A | d ₂ max. | d ₃ ⁽¹⁾ max. | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ max. | l ₅ ±0,2 | l ₇ max. |
|------------|----------------------------|------------------------|---------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 25,2 | 6,5 | 60 | 14,27 | 2,17 | 120 | 20,6 | 22,7 |
| 12S | 3/4-20 UNEF | 27,6 | 6,5 | 60 | 14,27 | 2,17 | 120 | 23,6 | 22,7 |
| 14S | 7/8-20 UNEF | 29,8 | 9,0 | 62 | 14,27 | 2,17 | 120 | 25,4 | 27,5 |
| 16S | 1-20 UNEF | 32,3 | 11,0 | 70 | 14,27 | 2,17 | 120 | 28,6 | 30,0 |
| 16 | 1-20 UNEF | 32,3 | 11,0 | 70 | 19,05 | 2,17 | 125 | 28,6 | 30,0 |
| 18 | 1 1/8-18 UNEF | 34,8 | 14,2 | 77 | 19,05 | 3,37 | 125 | 31,7 | 33,0 |
| 20 | 1 1/4-18 UNEF | 37,8 | 15,8 | 77 | 19,05 | 3,37 | 125 | 34,9 | 37,5 |
| 22 | 1 3/8-18 UNEF | 41,1 | 15,8 | 77 | 19,05 | 3,37 | 125 | 38,1 | 37,5 |
| 24 | 1 1/2-18 UNEF | 44,6 | 21,4 | 85 | 20,62 | 3,37 | 125 | 41,3 | 43,3 |
| 28 | 1 3/4-18 UNS | 50,9 | 21,4 | 85 | 20,62 | 3,37 | 125 | 47,6 | 48,0 |
| 32 | 2 -18 UNS | 57,1 | 26,7 | 85 | 22,22 | 3,37 | 125 | 54,0 | 55,0 |
| 36 | 2 1/4-16 UN | 63,6 | 31,7 | 105 | 22,22 | 3,37 | 135 | 60,6 | 58,0 |

(1) For max. admissible cable diameter



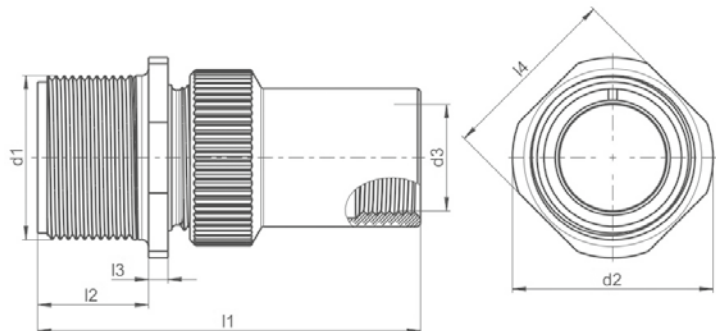
Inline receptacle, straight type, with PG or metrical backshell ME, without grommet.

Example:

GCA01PG-18-1SB
or
GCA01ME-18-1SB

| Shell size | d ₁ max. | d ₂ Thread type | | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,2 |
|------------|---------------------|----------------------------|---------|---------------------|---------------------|---------------------|---------------------|
| | | PG | ME | | | | |
| 10SL | 25,2 | PG9 | M12x1,5 | 55 | 14,2 | 2,8 | 20,6 |
| 12S | 27,6 | PG9 | – | 55 | 14,2 | 3,2 | 23,6 |
| 14S | 29,8 | PG11 | M16x1,5 | 55 | 14,2 | 3,2 | 25,4 |
| 16S | 32,3 | PG13,5 | M20x1,5 | 60 | 14,2 | 3,2 | 28,6 |
| 16 | 32,3 | PG13,5 | M20x1,5 | 70 | 19,0 | 3,2 | 28,6 |
| 18 | 34,8 | PG13,5 | M20x1,5 | 75 | 19,0 | 4,0 | 31,7 |
| 20 | 37,8 | PG16 | M25x1,5 | 75 | 19,0 | 4,0 | 34,9 |
| 22 | 41,1 | PG16 | M25x1,5 | 85 | 19,0 | 4,0 | 38,1 |
| 24 | 44,6 | PG16 | M25x1,5 | 85 | 20,6 | 4,0 | 41,3 |
| 28 | 50,9 | PG21 | M32x1,5 | 90 | 20,6 | 4,0 | 47,6 |
| 32 | 57,1 | PG29 | M40x1,5 | 95 | 22,2 | 4,0 | 54,0 |
| 36 | 63,6 | PG29 | M40x1,5 | 100 | 22,0 | 4,0 | 60,6 |

Cable receptacle, PG or metrical backshell GCA01PG-ME

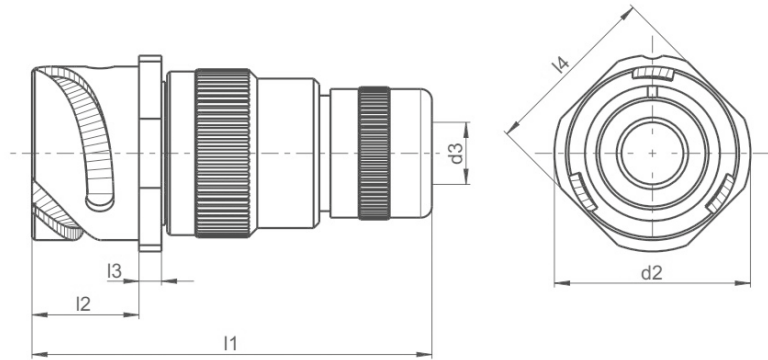
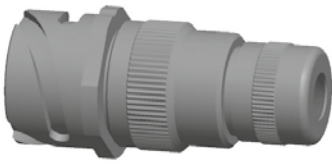


Inline receptacle, straight type, with PG or metrical backshell ME, without grommet.

Example:

GCA01PG-18-1S
or
GCA01ME-18-1S

| Shell size | d ₁ Class 2A | d ₂ max. | d ₃ Thread type | | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,2 |
|------------|-------------------------|---------------------|----------------------------|---------|---------------------|---------------------|---------------------|---------------------|
| | | | PG | ME | | | | |
| 10SL | 5/8-24 UNEF | 25,2 | PG9 | M12x1,5 | 55 | 14,27 | 2,17 | 20,6 |
| 12S | 3/4-20 UNEF | 27,6 | PG9 | – | 55 | 14,27 | 2,17 | 23,6 |
| 14S | 7/8-20 UNEF | 29,8 | PG11 | M16x1,5 | 55 | 14,27 | 2,17 | 25,4 |
| 16S | 1-20 UNEF | 32,3 | PG13,5 | M20x1,5 | 60 | 14,27 | 2,17 | 28,6 |
| 16 | 1-20 UNEF | 32,3 | PG13,5 | M20x1,5 | 70 | 19,05 | 2,17 | 28,6 |
| 18 | 1 1/8-18 UNEF | 34,8 | PG13,5 | M20x1,5 | 75 | 19,05 | 3,37 | 31,7 |
| 20 | 1 1/4-18 UNEF | 37,8 | PG16 | M25x1,5 | 75 | 19,05 | 3,37 | 34,9 |
| 22 | 1 3/8-18 UNEF | 41,1 | PG16 | M25x1,5 | 85 | 19,05 | 3,37 | 38,1 |
| 24 | 1 1/2-18 UNEF | 44,6 | PG16 | M25x1,5 | 85 | 20,62 | 3,37 | 41,3 |
| 28 | 1 3/4-18 UNS | 50,9 | PG21 | M32x1,5 | 90 | 20,62 | 3,37 | 47,6 |
| 32 | 2 -18 UNS | 57,1 | PG29 | M40x1,5 | 95 | 22,22 | 3,37 | 54,0 |
| 36 | 2 1/4-16 UN | 63,6 | PG29 | M40x1,5 | 100 | 22,22 | 3,37 | 60,6 |



Cable connection receptacle with EGM backshell for shielded cable.

Example:

GCA01EGM11-18-1SB

or

GCA01EGM21-18-1SB

d3 is:

For EGM11 can accept cable min.

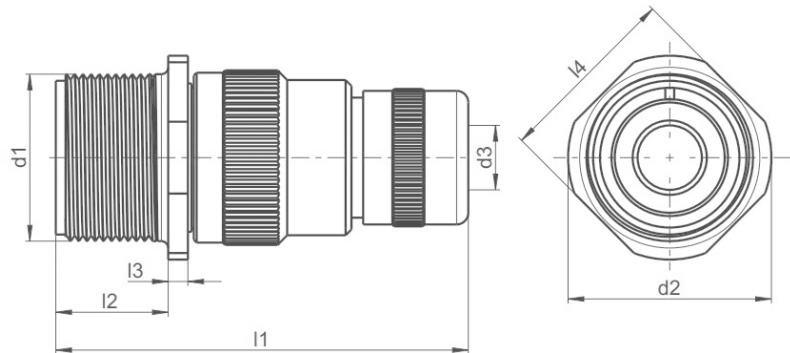
5,7 mm – max. 10,85 mm

For EGM21 can accept cable min.

12,7 mm – max. 17,85 mm

| Shell size | d ₂ max. | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 25,2 | 95,6 | 14,2 | 2,8 | 25,4 |
| 12S | 27,6 | 95,6 | 14,2 | 3,2 | 28,0 |
| 14S | 29,8 | 95,6 | 14,2 | 3,2 | 30,0 |
| 16S | 32,3 | 95,6 | 14,2 | 3,2 | 32,5 |
| 16 | 32,3 | 102,0 | 19,0 | 3,2 | 32,5 |
| 18 | 34,3 | 102,0 | 19,0 | 4,0 | 35,0 |
| 20 | ON REQUEST | | | | |
| 22 | ON REQUEST | | | | |
| 24 | ON REQUEST | | | | |
| 28 | ON REQUEST | | | | |
| 32 | ON REQUEST | | | | |
| 36 | ON REQUEST | | | | |

Cable receptacle, universal shielded backshell GCA01EGM



Wall mount receptacle with EGM backshell for shielded cable.

Example:

GCA01EGM11-18-1S

or

GCA01EGM21-18-1S

d3 is:

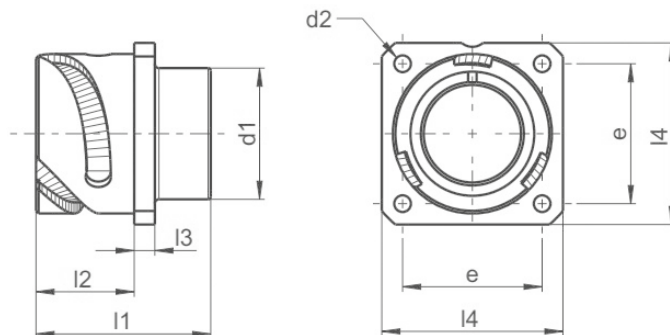
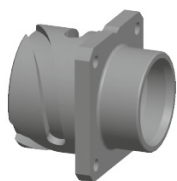
For EGM11 can accept cable min.

5,7 mm – max. 10,85 mm

For EGM21 can accept cable min.

12,7 mm – max. 17,85 mm

| Shell size | d ₁ Class 2A | d ₂ max. | l ₁ max. | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 25,2 | 95,6 | 14,27 | 2,17 | 20,6 |
| 12S | 3/4-20 UNEF | 27,6 | 95,6 | 14,27 | 2,17 | 23,6 |
| 14S | 7/8-20 UNEF | 29,8 | 95,6 | 14,27 | 2,17 | 25,4 |
| 16S | 1-20 UNEF | 32,3 | 95,6 | 14,27 | 2,17 | 28,6 |
| 16 | 1-20 UNEF | 32,3 | 102,0 | 19,05 | 2,17 | 28,6 |
| 18 | 1 1/8-18 UNEF | 34,3 | 102,0 | 19,05 | 3,37 | 31,7 |
| 20 | ON REQUEST | | | | | |
| 22 | ON REQUEST | | | | | |
| 24 | ON REQUEST | | | | | |
| 28 | ON REQUEST | | | | | |
| 32 | ON REQUEST | | | | | |
| 36 | ON REQUEST | | | | | |

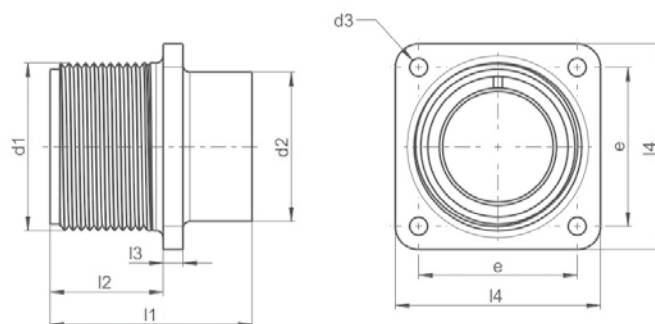
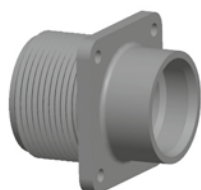


Fixed connector with mounting flange for front panel mounting.

Example:
GCA02-18-1SB

| Shell size | d ₁ max. | d ₂ Ø (H13) | e ±0,1 | l ₁ ±0,3 | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|------------------------|---------------------------|-----------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 16,2 | 3,2 | 18,2 | 24,7 | 14,2 | 2,8 | 25,4 |
| 12S | 17,6 | 3,2 | 20,6 | 24,7 | 14,2 | 3,2 | 28,0 |
| 14S | 19,2 | 3,2 | 23,0 | 24,7 | 14,2 | 3,2 | 30,0 |
| 16S | 22,4 | 3,2 | 24,6 | 24,7 | 14,2 | 3,2 | 32,5 |
| 16 | 22,4 | 3,2 | 24,6 | 33,8 | 19,0 | 3,2 | 32,5 |
| 18 | 25,6 | 3,2 | 27,0 | 33,8 | 19,0 | 4,0 | 35,0 |
| 20 | 29,0 | 3,2 | 29,4 | 33,8 | 19,0 | 4,0 | 38,0 |
| 22 | 32,2 | 3,2 | 31,8 | 33,8 | 19,0 | 4,0 | 41,0 |
| 24 | 35,3 | 3,7 | 34,9 | 33,8 | 20,6 | 4,0 | 44,5 |
| 28 | 41,4 | 3,7 | 39,7 | 33,8 | 20,6 | 4,0 | 50,8 |
| 32 | 47,8 | 4,3 | 44,5 | 33,8 | 22,2 | 4,0 | 57,0 |
| 36 | 54,1 | 4,3 | 49,2 | 33,8 | 22,2 | 4,0 | 63,5 |

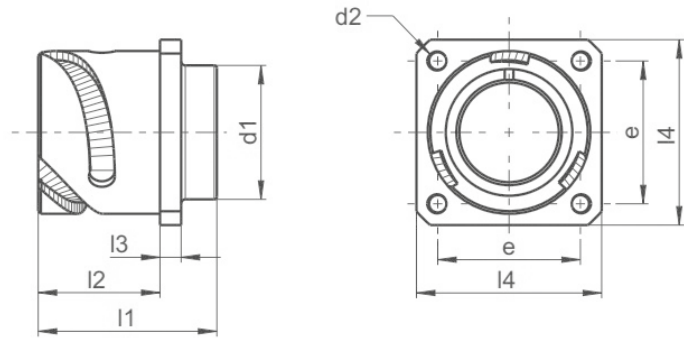
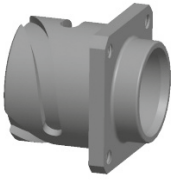
Receptacle front panel mounting GCA02



Fixed connector with mounting flange for front panel mounting.

Example:
GCA02-18-1S

| Shell size | d ₁ Class 2A | d ₂ max. | d ₃ Ø (H13) | e ±0,1 | l ₁ ±0,3 | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|----------------------------|------------------------|---------------------------|-----------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 15,8 | 3,05 | 18,2 | 25,5 | 14,27 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | 17,5 | 3,05 | 20,6 | 25,5 | 14,27 | 2,17 | 28,0 |
| 14S | 7/8-20 UNEF | 18,9 | 3,05 | 23,0 | 25,5 | 14,27 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | 22,1 | 3,05 | 24,6 | 25,5 | 14,27 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | 22,1 | 3,05 | 24,6 | 33,7 | 19,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | 25,5 | 3,05 | 27,0 | 34,4 | 19,05 | 3,37 | 35,1 |
| 20 | 1 1/4-18 UNEF | 28,4 | 3,05 | 29,4 | 33,7 | 19,05 | 3,37 | 38,1 |
| 22 | 1 3/8-18 UNEF | 31,6 | 3,05 | 31,8 | 33,7 | 19,05 | 3,37 | 41,5 |
| 24 | 1 1/2-18 UNEF | 34,8 | 3,73 | 34,9 | 33,7 | 20,62 | 3,37 | 44,7 |
| 28 | 1 3/4-18 UNS | 41,1 | 3,73 | 39,7 | 33,7 | 20,62 | 3,37 | 51,1 |
| 32 | 2 -18 UNS | 47,5 | 4,39 | 44,5 | 33,7 | 22,22 | 3,37 | 57,2 |
| 36 | 2 1/4-16 UN | 53,9 | 4,39 | 49,2 | 33,7 | 22,22 | 3,37 | 63,7 |

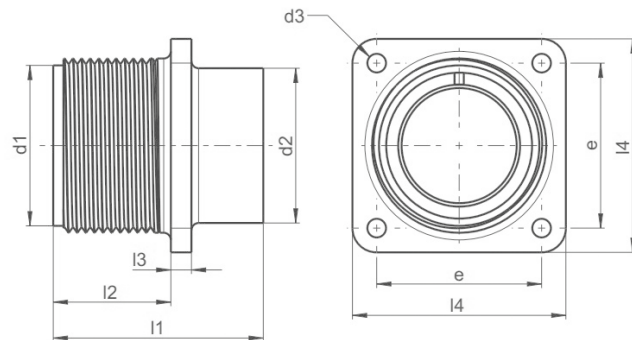


Fixed connector with mounting flange for back panel mounting.

Example:
GCA20-18-1SB

| Shell size | d_1 max. | Thread d_2 | e $\pm 0,1$ | l_1 $\pm 0,3$ | l_2 $+0,4$ | l_3 $\pm 0,2$ | l_4 $\pm 0,3$ |
|------------|---------------|-----------------|------------------|--------------------|-----------------|--------------------|--------------------|
| 10SL | 16,2 | M4 | 18,2 | 24,7 | 18,20 | 2,8 | 25,4 |
| 12S | 17,6 | M4 | 20,6 | 24,7 | 18,20 | 3,2 | 28,0 |
| 14S | 19,2 | M4 | 23,0 | 24,7 | 18,20 | 3,2 | 30,0 |
| 16S | 22,4 | M4 | 24,6 | 24,7 | 18,20 | 3,2 | 32,5 |
| 16 | 22,4 | M4 | 24,6 | 33,8 | 23,05 | 3,2 | 32,5 |
| 18 | 25,6 | M4 | 27,0 | 33,8 | 23,05 | 4,0 | 35,0 |
| 20 | 29,0 | M4 | 29,4 | 33,8 | 23,05 | 4,0 | 38,0 |
| 22 | 32,2 | M4 | 31,8 | 33,8 | 23,05 | 4,0 | 41,0 |
| 24 | 35,3 | M4 | 34,9 | 33,8 | 23,05 | 4,0 | 44,5 |
| 28 | 41,4 | M5 | 39,7 | 33,8 | 24,05 | 4,0 | 50,8 |
| 32 | 47,8 | M5 | 44,5 | 33,8 | 24,05 | 4,0 | 57,0 |
| 36 | 54,1 | M5 | 49,2 | 33,8 | 24,05 | 4,0 | 63,5 |

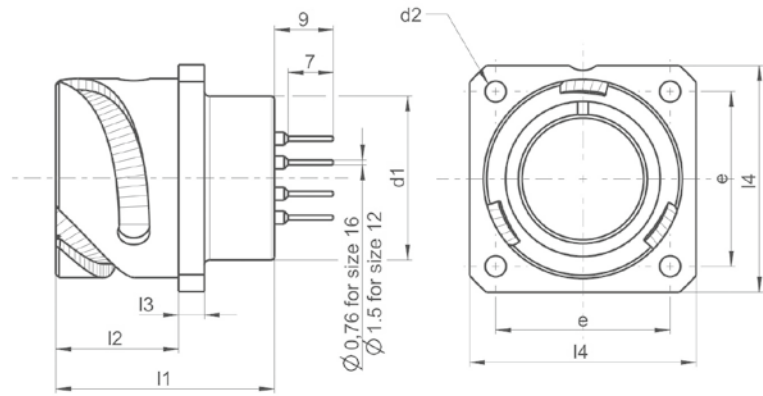
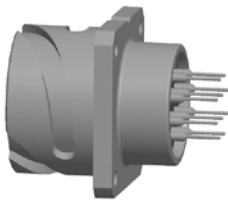
Receptacle back panel mounting GCA20



Fixed connector with mounting flange for back panel mounting. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA20-18-1S

| Shell size | d_1 Class 2A | d_2 max. | d_3 | | e $\pm 0,1$ | l_1 $\pm 0,3$ | l_2 $+0,4$ | l_3 $\pm 0,2$ | l_4 $\pm 0,3$ |
|------------|-------------------|---------------|------------------------|------------------------|------------------|--------------------|-----------------|--------------------|--------------------|
| | | | Thread Form BM29 | \varnothing (H13) | | | | | |
| 10SL | 5/8-24 UNEF | 15,8 | M4 | 3,05 | 18,2 | 24,7 | 18,20 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | 17,5 | M4 | 3,05 | 20,6 | 24,7 | 18,20 | 2,17 | 28,0 |
| 14S | 7/8-20 UNEF | 18,9 | M4 | 3,05 | 23,0 | 24,7 | 18,20 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | 22,1 | M4 | 3,05 | 24,6 | 24,7 | 18,20 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | 22,1 | M4 | 3,05 | 24,6 | 33,8 | 23,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | 25,5 | M4 | 3,05 | 27,0 | 33,8 | 23,05 | 3,37 | 35,1 |
| 20 | 1 1/4-18 UNEF | 28,4 | M4 | 3,05 | 29,4 | 33,8 | 23,05 | 3,37 | 38,1 |
| 22 | 1 3/8-18 UNEF | 31,6 | M4 | 3,05 | 31,8 | 33,8 | 23,05 | 3,37 | 41,5 |
| 24 | 1 1/2-18 UNEF | 34,8 | M4 | 3,73 | 34,9 | 33,8 | 23,05 | 3,37 | 44,7 |
| 28 | 1 3/4-18 UNS | 41,1 | M5 | 3,73 | 39,7 | 33,8 | 24,05 | 3,37 | 51,1 |
| 32 | 2 -18 UNS | 47,5 | M5 | 4,39 | 44,5 | 33,8 | 24,05 | 3,37 | 57,2 |
| 36 | 2 1/4-16 UN | 53,9 | M5 | 4,39 | 49,2 | 33,8 | 24,05 | 3,37 | 63,7 |

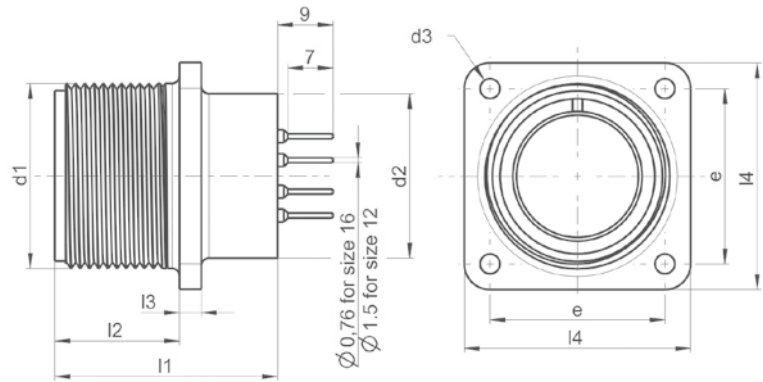
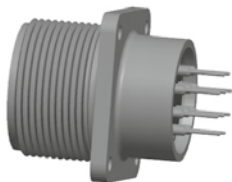


Fixed connector with mounting flange for front panel mounting.

Example:
GCA02L-18-1SB

| Shell size | d ₁ max. | d ₂ Ø (H13) | e ±0,1 | l ₁ ±0,3 | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|---------------------|------------------------|--------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 16,2 | 3,2 | 18,2 | 24,7 | 14,2 | 2,8 | 25,4 |
| 12S | 17,6 | 3,2 | 20,6 | 24,7 | 14,2 | 3,2 | 28,0 |
| 14S | 19,2 | 3,2 | 23,0 | 24,7 | 14,2 | 3,2 | 30,0 |
| 16S | 22,4 | 3,2 | 24,6 | 24,7 | 14,2 | 3,2 | 32,5 |
| 16 | 22,4 | 3,2 | 24,6 | 33,8 | 19,0 | 3,2 | 32,5 |
| 18 | 25,6 | 3,2 | 27,0 | 33,8 | 19,0 | 4,0 | 35,0 |
| 20 | 29,0 | 3,2 | 29,4 | 33,8 | 19,0 | 4,0 | 38,0 |
| 22 | 32,2 | 3,2 | 31,8 | 33,8 | 19,0 | 4,0 | 41,0 |
| 24 | 35,3 | 3,7 | 34,9 | 33,8 | 20,6 | 4,0 | 44,5 |
| 28 | 41,4 | 3,7 | 39,7 | 33,8 | 20,6 | 4,0 | 50,8 |
| 32 | 47,8 | 4,3 | 44,5 | 33,8 | 22,2 | 4,0 | 57,0 |
| 36 | 54,1 | 4,3 | 49,2 | 33,8 | 22,2 | 4,0 | 63,5 |

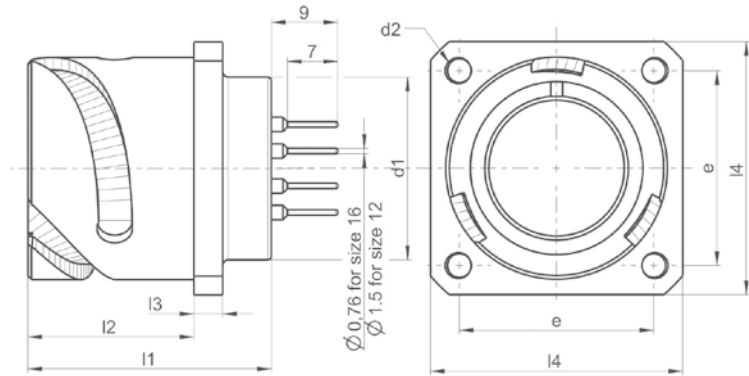
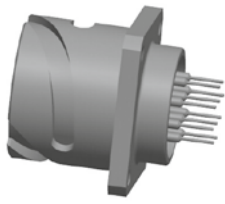
Receptacle with PCB-Termination, front panel mounting GCA02L



Fixed connector with mounting flange for front panel mounting.

Example:
GCA02L-18-1S

| Shell size | d ₁ Class 2A | d ₂ max. | d ₃ Ø (H13) | e ±0,1 | l ₁ ±0,3 | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|-------------------------|---------------------|------------------------|--------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 5/8-24 UNEF | 15,8 | 3,05 | 18,2 | 25,5 | 14,27 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | 17,5 | 3,05 | 20,6 | 25,5 | 14,27 | 2,17 | 28,0 |
| 14S | 7/8-20 UNEF | 18,9 | 3,05 | 23,0 | 25,5 | 14,27 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | 22,1 | 3,05 | 24,6 | 25,5 | 14,27 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | 22,1 | 3,05 | 24,6 | 33,7 | 19,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | 25,5 | 3,05 | 27,0 | 34,4 | 19,05 | 3,37 | 35,1 |
| 20 | 1 1/4-18U NEF | 28,4 | 3,05 | 29,4 | 33,7 | 19,05 | 3,37 | 38,1 |
| 22 | 1 3/8-18 UNEF | 31,6 | 3,05 | 31,8 | 33,7 | 19,05 | 3,37 | 41,5 |
| 24 | 1 1/2-18 UNEF | 34,8 | 3,73 | 34,9 | 33,7 | 20,62 | 3,37 | 44,7 |
| 28 | 1 3/4-18 UNS | 41,1 | 3,73 | 39,7 | 33,7 | 20,62 | 3,37 | 51,1 |
| 32 | 2 -18 UNS | 47,5 | 4,39 | 44,5 | 33,7 | 22,22 | 3,37 | 57,2 |
| 36 | 2 1/4-16 UN | 53,9 | 4,39 | 49,2 | 33,7 | 22,22 | 3,37 | 63,7 |

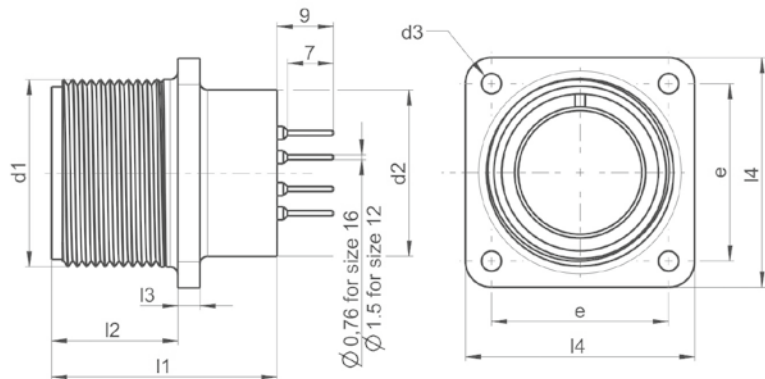
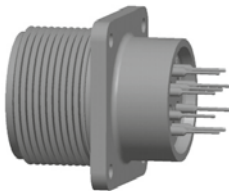


Fixed connector with mounting flange for back panel mounting.

Example:
GCA20L-18-1SB

| Shell size | d ₁ max. | Thread d ₂ | e ±0,1 | l ₁ ±0,3 | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|------------------------|--------------------------|-----------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 16,2 | M4 | 18,2 | 24,7 | 18,20 | 2,8 | 25,4 |
| 12S | 17,6 | M4 | 20,6 | 24,7 | 18,20 | 3,2 | 28,0 |
| 14S | 19,2 | M4 | 23,0 | 24,7 | 18,20 | 3,2 | 30,0 |
| 16S | 22,4 | M4 | 24,6 | 24,7 | 18,20 | 3,2 | 32,5 |
| 16 | 22,4 | M4 | 24,6 | 33,8 | 23,05 | 3,2 | 32,5 |
| 18 | 25,6 | M4 | 27,0 | 33,8 | 23,05 | 4,0 | 35,0 |
| 20 | 29,0 | M4 | 29,4 | 33,8 | 23,05 | 4,0 | 38,0 |
| 22 | 32,2 | M4 | 31,8 | 33,8 | 23,05 | 4,0 | 41,0 |
| 24 | 35,3 | M4 | 34,9 | 33,8 | 23,05 | 4,0 | 44,5 |
| 28 | 41,4 | M5 | 39,7 | 33,8 | 24,05 | 4,0 | 50,8 |
| 32 | 47,8 | M5 | 44,5 | 33,8 | 24,05 | 4,0 | 57,0 |
| 36 | 54,1 | M5 | 49,2 | 33,8 | 24,05 | 4,0 | 63,5 |

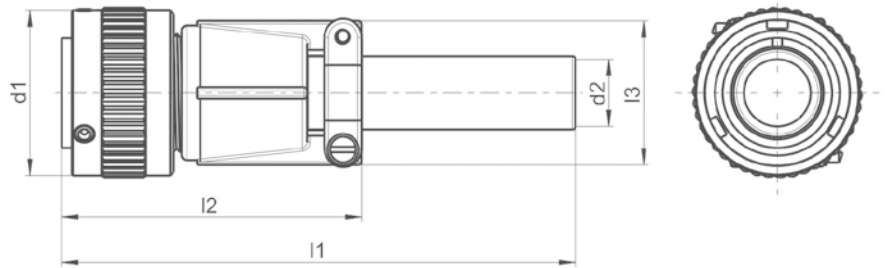
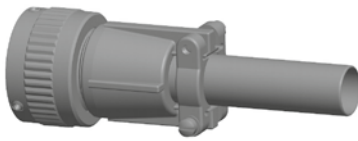
Receptacle with PCB-Termination, back panel mounting GCA20L



Fixed connector with mounting flange for back panel mounting. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA20L-18-1S

| Shell size | d ₁ Class 2A | d ₂ max. | d ₃ | | e ±0,1 | l ₁ ±0,3 | l ₂ +0,4 | l ₃ ±0,2 | l ₄ ±0,3 |
|------------|----------------------------|------------------------|------------------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|
| | | | Thread Form BM29 | Ø ±0,1 | | | | | |
| 10SL | 5/8-24 UNEF | 15,8 | M4 | 3,05 | 18,2 | 24,7 | 18,20 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | 17,5 | M4 | 3,05 | 20,6 | 24,7 | 18,20 | 2,17 | 28,0 |
| 14S | 7/8-20 UNEF | 18,9 | M4 | 3,05 | 23,0 | 24,7 | 18,20 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | 22,1 | M4 | 3,05 | 24,6 | 24,7 | 18,20 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | 22,1 | M4 | 3,05 | 24,6 | 33,8 | 23,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | 25,5 | M4 | 3,05 | 27,0 | 33,8 | 23,05 | 3,37 | 35,1 |
| 20 | 1 1/4-18 UNEF | 28,4 | M4 | 3,05 | 29,4 | 33,8 | 23,05 | 3,37 | 38,1 |
| 22 | 1 3/8-18 UNEF | 31,6 | M4 | 3,05 | 31,8 | 33,8 | 23,05 | 3,37 | 41,5 |
| 24 | 1 1/2-18 UNEF | 34,8 | M4 | 3,73 | 34,9 | 33,8 | 23,05 | 3,37 | 44,7 |
| 28 | 1 3/4-18 UNS | 41,1 | M5 | 3,73 | 39,7 | 33,8 | 24,05 | 3,37 | 51,1 |
| 32 | 2-18 UNS | 47,5 | M5 | 4,39 | 44,5 | 33,8 | 24,05 | 3,37 | 57,2 |
| 36 | 2 1/4-16 UN | 53,9 | M5 | 4,39 | 49,2 | 33,8 | 24,05 | 3,37 | 63,7 |



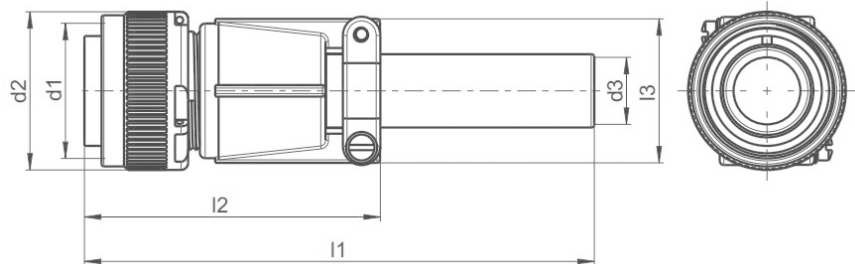
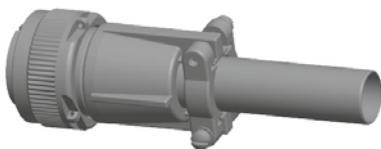
Straight plug, backshell with cable clamp and bushing.

Example:
GCA06E-18-1SB

| Shell size | d ₁ max. | d ₂ ⁽¹⁾ max. | l ₁ max. | l ₂ max. | l ₃ max. |
|------------|---------------------|------------------------------------|---------------------|---------------------|---------------------|
| 10SL | 22,8 | 6,5 | 115 | 58 | 22,7 |
| 12S | 25,6 | 6,5 | 115 | 60 | 22,7 |
| 14S | 29,2 | 9,0 | 115 | 60 | 27,5 |
| 16S | 32,0 | 11,0 | 115 | 60 | 30,0 |
| 16 | 32,0 | 11,0 | 120 | 70 | 30,0 |
| 18 | 36,5 | 14,2 | 120 | 75 | 33,0 |
| 20 | 39,9 | 15,8 | 120 | 75 | 37,5 |
| 22 | 43,1 | 15,8 | 120 | 75 | 37,5 |
| 24 | 46,6 | 21,4 | 120 | 90 | 43,3 |
| 28 | 53,4 | 21,4 | 120 | 90 | 48,0 |
| 32 | 60,1 | 26,7 | 120 | 90 | 55,0 |
| 36 | 66,3 | 31,7 | 130 | 100 | 58,0 |

(1) For max. admissible cable diameter

Plug, cable clamp and bushing GCA06E

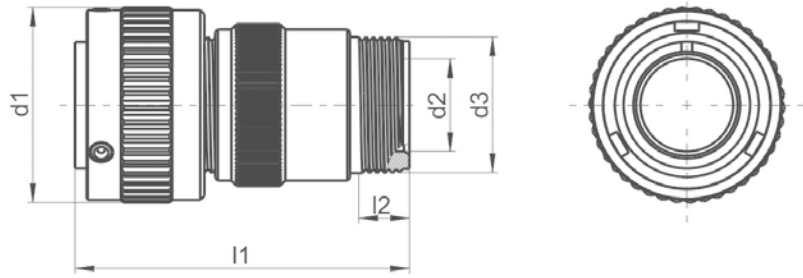


Straight plug, backshell with cable clamp and bushing.

Example:
GCA06E-18-1S

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ ⁽¹⁾ max. | l ₁ max. | l ₂ max. | l ₃ max. |
|------------|-------------------------|---------------------|------------------------------------|---------------------|---------------------|---------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 6,5 | 115 | 58 | 22,7 |
| 12S | 3/4-20 UNEF | 24,0 | 6,5 | 115 | 60 | 22,7 |
| 14S | 7/8-20 UNEF | 28,3 | 9,0 | 115 | 60 | 27,5 |
| 16S | 1-20 UNEF | 31,4 | 11,0 | 115 | 60 | 30,0 |
| 16 | 1-20 UNEF | 31,4 | 11,0 | 120 | 70 | 30,0 |
| 18 | 1 1/8-18 UNEF | 33,7 | 14,2 | 120 | 75 | 33,0 |
| 20 | 1 1/4-18 UNEF | 36,8 | 15,8 | 120 | 75 | 37,5 |
| 22 | 1 3/8-18 UNEF | 40,0 | 15,8 | 120 | 75 | 37,5 |
| 24 | 1 1/2-18 UNEF | 43,5 | 21,4 | 120 | 90 | 43,3 |
| 28 | 1 3/4-18 UNS | 49,8 | 21,4 | 120 | 90 | 48,0 |
| 32 | 2 -18 UNS | 56,0 | 26,7 | 120 | 90 | 55,0 |
| 36 | 2 1/4-16 UN | 62,5 | 31,7 | 130 | 100 | 58,0 |

(1) For max. admissible cable diameter

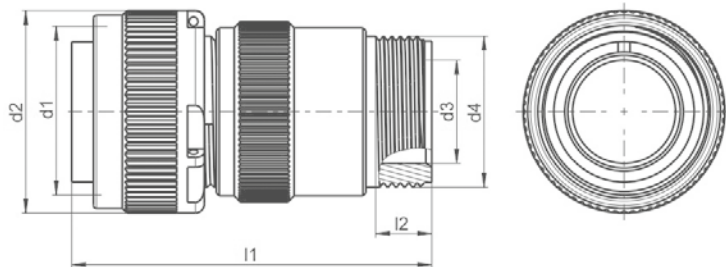


F – Straight plug, backshell for conduit termination.

Example:
GCA06F-18-1SB

| Shell size | d ₁ max. | d ₂ min. | d ₃ Class 2A | l ₁ max. | l ₂ min. |
|------------|------------------------|------------------------|----------------------------|------------------------|------------------------|
| 10SL | 22,8 | 8,2 | 5/8-24 UNEF | 50 | 9,5 |
| 12S | 25,6 | 8,2 | 5/8-24 UNEF | 50 | 9,5 |
| 14S | 29,2 | 11,1 | 3/4-20 UNEF | 50 | 9,5 |
| 16S | 32,0 | 14,3 | 7/8-20 UNEF | 50 | 9,5 |
| 16 | 32,0 | 14,3 | 7/8-20 UNEF | 60 | 9,5 |
| 18 | 36,5 | 16,7 | 1-20 UNEF | 60 | 9,5 |
| 20 | 39,9 | 19,8 | 1 3/16-18 UNEF | 60 | 9,5 |
| 22 | 43,1 | 19,8 | 1 3/16-18 UNEF | 60 | 9,5 |
| 24 | 46,6 | 25,4 | 1 7/16-18 UNEF | 65 | 9,5 |
| 28 | 53,4 | 27,0 | 1 7/16-18 UNEF | 65 | 9,5 |
| 32 | 60,1 | 32,5 | 1 3/4-18 UNS | 65 | 11,0 |
| 36 | 66,3 | 35,7 | 2-18 UNS | 80 | 11,8 |

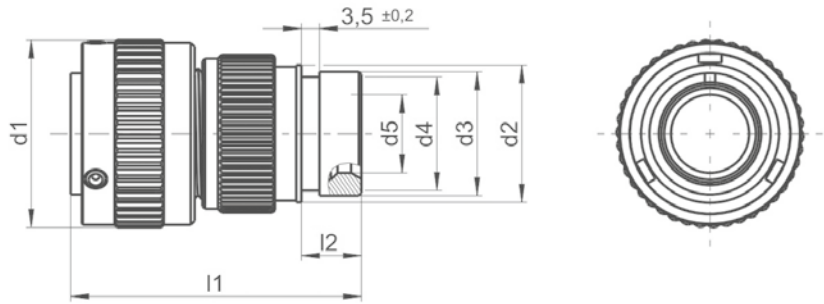
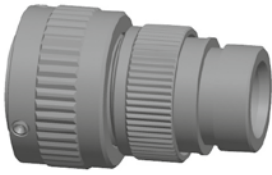
Plug, conduit termination GCA06F



F – Straight plug, backshell for conduit termination.

Example:
GCA06F-18-1S

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ min. | d ₄ Class 2A | l ₁ max. | l ₂ min. |
|------------|----------------------------|------------------------|------------------------|----------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 8,2 | 5/8-24 UNEF | 50 | 9,5 |
| 12S | 3/4-20 UNEF | 24,0 | 8,2 | 5/8-24 UNEF | 50 | 9,5 |
| 14S | 7/8-20 UNEF | 28,3 | 11,1 | 3/4-20 UNEF | 50 | 9,5 |
| 16S | 1-20 UNEF | 31,4 | 14,3 | 7/8-20 UNEF | 50 | 9,5 |
| 16 | 1-20 UNEF | 31,4 | 14,3 | 7/8-20 UNEF | 60 | 9,5 |
| 18 | 1 1/8-18 UNEF | 33,7 | 16,7 | 1-20 UNEF | 60 | 9,5 |
| 20 | 1 1/4-18 UNEF | 36,8 | 19,8 | 1 3/16-18 UNEF | 60 | 9,5 |
| 22 | 1 3/8-18 UNEF | 40,0 | 19,8 | 1 3/16-18 UNEF | 60 | 9,5 |
| 24 | 1 1/2-18 UNEF | 43,5 | 25,4 | 1 7/16-18 UNEF | 65 | 9,5 |
| 28 | 1 3/4-18 UNS | 49,8 | 27,0 | 1 7/16-18 UNEF | 65 | 9,5 |
| 32 | 2 -18 UNS | 56,0 | 32,5 | 1 3/4-18 UNS | 65 | 11,0 |
| 36 | 2 1/4-16 UN | 62,5 | 35,7 | 2-18 UNS | 80 | 11,8 |



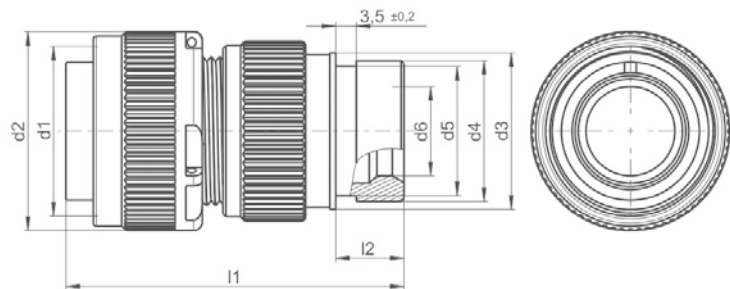
E- Straight plug with backshell for heat shrinkable endshells

EG- Straight plug with grounding fingers and backshell for heat shrinkable endshells.

Example:
GCA06E-18-1SB-03
GCA06EG-18-1SB-03

| Shell size | d ₁ max. | d ₂ ±0,2 | d ₃ ±0,2 | d ₄ max. | d ₅ min. | l ₁ max. | l ₂ ±0,5 |
|------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 22,8 | 17,0 | 15,5 | 13,3 | 7,7 | 50 | 11,7 |
| 12S | 25,6 | 17,0 | 15,5 | 13,3 | 7,9 | 50 | 11,7 |
| 14S | 29,2 | 20,1 | 19,1 | 17,0 | 10,6 | 50 | 11,7 |
| 16S | 32,0 | 23,5 | 23,9 | 21,9 | 13,5 | 50 | 11,7 |
| 16 | 32,0 | 23,5 | 23,9 | 21,9 | 13,5 | 60 | 11,5 |
| 18 | 36,5 | 26,5 | 23,9 | 21,9 | 14,6 | 60 | 11,5 |
| 20 | 39,9 | 30,2 | 29,6 | 26,2 | 18,7 | 65 | 12,7 |
| 22 | 43,1 | 33,6 | 29,6 | 26,2 | 20,8 | 65 | 12,7 |
| 24 | 46,6 | 36,1 | 37,8 | 34,5 | 24,6 | 65 | 12,7 |
| 28 | 53,4 | 41,4 | 37,8 | 34,5 | 27,0 | 65 | 12,7 |
| 32 | 60,1 | 48,6 | 47,8 | 43,6 | 33,3 | 70 | 15,2 |
| 36 | 66,3 | 54,8 | 47,8 | 43,6 | 38,5 | 80 | 15,2 |

Plug, heat shrink / with grounding finger GCA06E / EG - DN

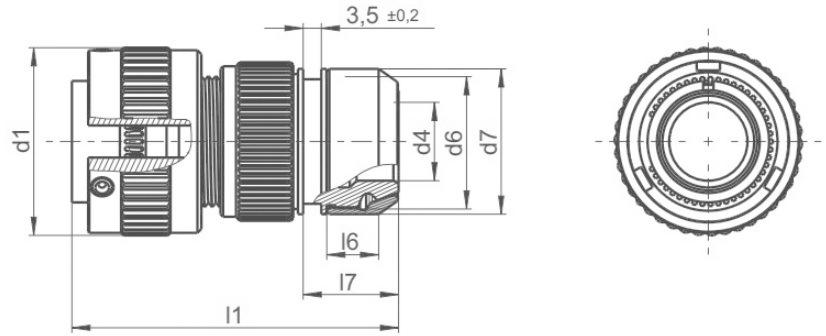


E- Straight plug with backshell for heat shrinkable endshells

EG- Straight plug with grounding fingers and backshell for heat shrinkable endshells.

Example:
GCA06E-18-1S-DN
GCA06EG-18-1S-DN

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ ±0,2 | d ₄ ±0,2 | d ₅ max. | d ₆ min. | l ₁ max. | l ₂ ±0,5 |
|------------|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 17,0 | 15,5 | 13,3 | 7,7 | 50 | 11,7 |
| 12S | 3/4-20 UNEF | 24,0 | 17,0 | 15,5 | 13,3 | 7,9 | 50 | 11,7 |
| 14S | 7/8-20 UNEF | 28,3 | 20,1 | 19,1 | 17,0 | 10,6 | 50 | 11,7 |
| 16S | 1-20 UNEF | 31,4 | 23,5 | 23,9 | 21,9 | 13,5 | 50 | 11,7 |
| 16 | 1-20 UNEF | 31,4 | 23,5 | 23,9 | 21,9 | 13,5 | 60 | 11,5 |
| 18 | 1 1/8-18 UNEF | 33,7 | 26,5 | 23,9 | 21,9 | 14,6 | 60 | 11,5 |
| 20 | 1 1/4-18 UNEF | 36,8 | 30,2 | 29,6 | 26,2 | 18,7 | 65 | 12,7 |
| 22 | 1 3/8-18 UNEF | 40,0 | 33,6 | 29,6 | 26,2 | 20,8 | 65 | 12,7 |
| 24 | 1 1/2-18 UNEF | 43,5 | 36,1 | 37,8 | 34,5 | 24,6 | 65 | 12,7 |
| 28 | 1 3/4-18 UNS | 49,8 | 41,4 | 37,8 | 34,5 | 27,0 | 65 | 12,7 |
| 32 | 2 -18 UNS | 56,0 | 48,6 | 47,8 | 43,6 | 33,3 | 70 | 15,2 |
| 36 | 2 1/4-16 UN | 62,5 | 54,8 | 47,8 | 43,6 | 38,5 | 80 | 15,2 |

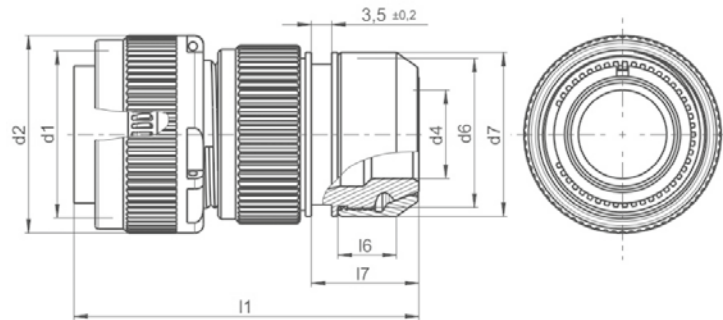


Straight plug with grounding fingers and backshell for shielding and heat shrinkable endshells.

Example:
GCA06M-18-1SB

| Shell size | d ₁ max. | d ₄ min. | d ₆ max. | d ₇ ±0,5 | l ₁ max. | l ₆ +2 | l ₇ +1 |
|------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|----------------------|
| 10SL | 22,8 | 8,6 | 16,3 | 18,5 | 55 | 7 | 17 |
| 12S | 25,6 | 9,3 | 17,0 | 20,0 | 56 | 7 | 17 |
| 14S | 29,2 | 10,6 | 20,0 | 22,0 | 57 | 7 | 17 |
| 16S | 32,0 | 13,5 | 23,0 | 25,0 | 60 | 8 | 18 |
| 16 | 32,0 | 13,5 | 23,0 | 25,0 | 70 | 8 | 18 |
| 18 | 36,5 | 14,6 | 24,5 | 28,0 | 70 | 10 | 18 |
| 20 | 39,9 | 18,5 | 28,5 | 32,0 | 70 | 10 | 18 |
| 22 | 43,1 | 20,8 | 30,5 | 34,0 | 70 | 10 | 18 |
| 24 | 46,6 | 24,6 | 34,5 | 38,0 | 70 | 10 | 18 |
| 28 | 53,4 | 27,0 | 37,5 | 41,0 | 70 | 10 | 18 |
| 32 | 60,1 | 33,3 | 44,0 | 48,0 | 70 | 10 | 18 |
| 36 | 66,3 | 38,5 | 51,0 | 55,0 | 80 | 10 | 18 |

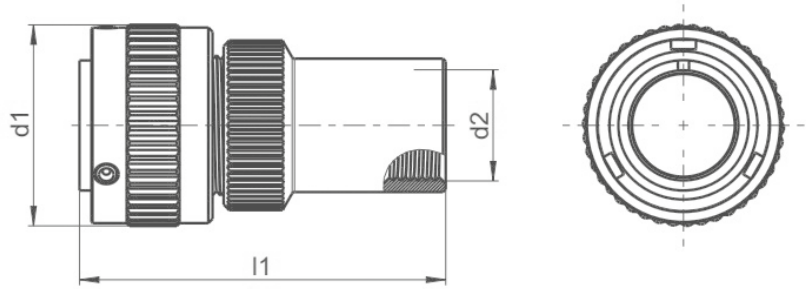
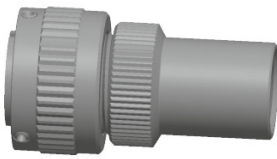
Plug with grounding finger, shielding, heat shrink GCA06M



Straight plug with grounding fingers and backshell for shielding and heat shrinkable endshells.

Example:
GCA06M-18-1S

| Shell size | d ₁ Class 2B | d ₂ max. | d ₄ min. | d ₆ max. | d ₇ ±0,5 | l ₁ max. | l ₆ +2 | l ₇ +1 |
|------------|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|----------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 8,6 | 16,3 | 18,5 | 55 | 7 | 17 |
| 12S | 3/4-20 UNEF | 24,0 | 9,3 | 17,0 | 20,0 | 56 | 7 | 17 |
| 14S | 7/8-20 UNEF | 28,3 | 10,6 | 20,0 | 22,0 | 57 | 7 | 17 |
| 16S | 1-20 UNEF | 31,4 | 13,5 | 23,0 | 25,0 | 60 | 8 | 18 |
| 16 | 1-20 UNEF | 31,4 | 13,5 | 23,0 | 25,0 | 70 | 8 | 18 |
| 18 | 1 1/8-18 UNEF | 33,7 | 14,6 | 24,5 | 28,0 | 70 | 10 | 18 |
| 20 | 1 1/4-18 UNEF | 36,8 | 18,5 | 28,5 | 32,0 | 70 | 10 | 18 |
| 22 | 1 3/8-18 UNEF | 40,0 | 20,8 | 30,5 | 34,0 | 70 | 10 | 18 |
| 24 | 1 1/2-18 UNEF | 43,5 | 24,6 | 34,5 | 38,0 | 70 | 10 | 18 |
| 28 | 1 3/4-18 UNS | 49,8 | 27,0 | 37,5 | 41,0 | 70 | 10 | 18 |
| 32 | 2 -18 UNS | 56,0 | 33,3 | 44,0 | 48,0 | 70 | 10 | 18 |
| 36 | 2 1/4-16 UN | 62,5 | 38,5 | 51,0 | 55,0 | 80 | 10 | 18 |



Free connector with PG or metrical backshell ME, without grommet.

Example:

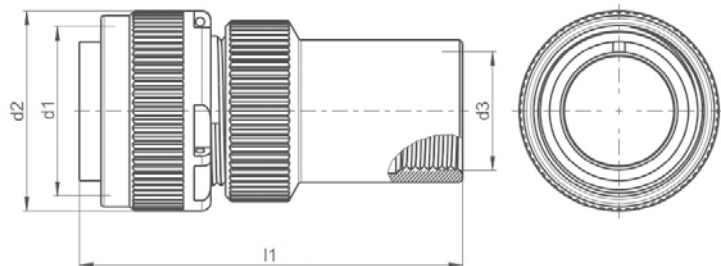
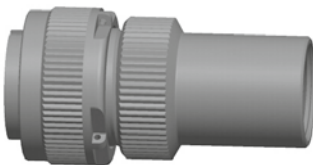
GCA06PG-18-1SB

or

GCA06ME-18-1SB

| Shell size | d ₁ max. | d ₂ Thread type | | l ₁ max. |
|------------|------------------------|----------------------------|---------|------------------------|
| | | PG | ME | |
| 10SL | 22,8 | PG9 | M12x1,5 | 55 |
| 12S | 25,6 | PG9 | - | 55 |
| 14S | 29,2 | PG11 | M16x1,5 | 55 |
| 16S | 32,0 | PG13,5 | M20x1,5 | 60 |
| 16 | 32,0 | PG13,5 | M20x1,5 | 70 |
| 18 | 36,5 | PG13,5 | M20x1,5 | 75 |
| 20 | 39,9 | PG16 | M25x1,5 | 75 |
| 22 | 43,1 | PG16 | M25x1,5 | 85 |
| 24 | 46,6 | PG16 | M25x1,5 | 85 |
| 28 | 53,4 | PG21 | M32x1,5 | 90 |
| 32 | 60,1 | PG29 | M40x1,5 | 95 |
| 36 | 66,3 | PG29 | M40x1,5 | 100 |

Plug, PG or metrical backshell GCA06PG-ME



Free connector with PG or metrical backshell ME, without grommet.

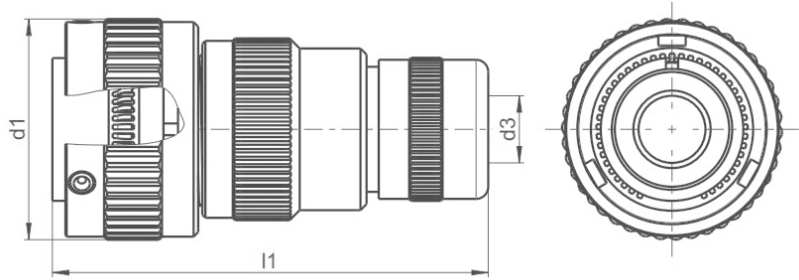
Example:

GCA06PG-18-1S

or

GCA06ME-18-1S

| Shell size | d1 Class 2B | d ₂ max. | d ₃ Thread type | | l ₁ max. |
|------------|----------------|------------------------|----------------------------|---------|------------------------|
| | | | PG | ME | |
| 10SL | 5/8-24 UNEF | 22,0 | PG9 | M12x1,5 | 55 |
| 12S | 3/4-20 UNEF | 24,0 | PG9 | - | 55 |
| 14S | 7/8-20 UNEF | 28,3 | PG11 | M16x1,5 | 55 |
| 16S | 1-20 UNEF | 31,4 | PG13,5 | M20x1,5 | 60 |
| 16 | 1-20 UNEF | 31,4 | PG13,5 | M20x1,5 | 70 |
| 18 | 1 1/8-18 UNEF | 33,7 | PG13,5 | M20x1,5 | 75 |
| 20 | 1 1/4-18 UNEF | 36,8 | PG16 | M25x1,5 | 75 |
| 22 | 1 3/8-18 UNEF | 40,0 | PG16 | M25x1,5 | 85 |
| 24 | 1 1/2-18 UNEF | 43,5 | PG16 | M25x1,5 | 85 |
| 28 | 1 3/4-18 UNS | 49,8 | PG21 | M32x1,5 | 90 |
| 32 | 2 -18 UNS | 56,0 | PG29 | M40x1,5 | 95 |
| 36 | 2 1/4-16 UN | 62,5 | PG29 | M40x1,5 | 100 |



Free connector with grounding finger, EGM backshell for shielded cable.

Example:

GCA06EGM11-18-1SB

or

GCA06EGM21-18-1SB

d3:

For EGM11 can accept cable min.

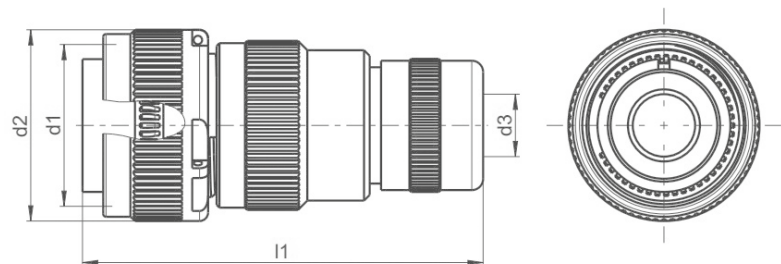
5,7 mm – max. 10,85 mm

For EGM21 can accept cable min.

12,7 mm – max. 17,85 mm

| Shell size | d ₁ max. | l ₁ max. |
|------------|------------------------|------------------------|
| 10SL | 22,8 | 53,0 |
| 12S | 25,6 | 53,0 |
| 14S | 29,2 | 53,0 |
| 16S | 32,0 | 53,0 |
| 16 | 32,0 | 61,0 |
| 18 | 36,5 | 62,0 |
| 20 | ON REQUEST | |
| 22 | ON REQUEST | |
| 24 | ON REQUEST | |
| 28 | ON REQUEST | |
| 32 | ON REQUEST | |
| 36 | ON REQUEST | |

Plug with grounding finger, shielding, universal backshell GCA06EGM



Free connector with grounding finger, EGM backshell for shielded cable.

Example:

GCA06EGM11-18-1S

or

GCA06EGM21-18-1S

d3:

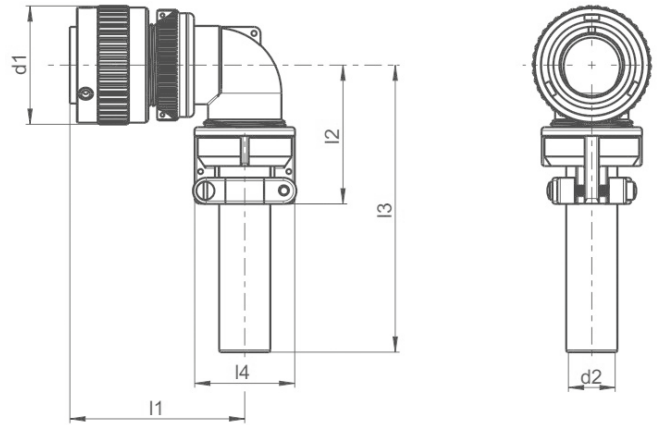
For EGM11 can accept cable min.

5,7 mm – max. 10,85 mm

For EGM21 can accept cable min.

12,7 mm – max. 17,85 mm

| Shell size | d ₁ Class 2B | d ₂ max. | l ₁ max. |
|------------|----------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 53,0 |
| 12S | 3/4-20 UNEF | 24,0 | 53,0 |
| 14S | 7/8-20 UNEF | 28,3 | 53,0 |
| 16S | 1-20 UNEF | 31,4 | 53,0 |
| 16 | 1-20 UNEF | 31,4 | 61,0 |
| 18 | 1 1/8-18 UNEF | 33,7 | 62,0 |
| 20 | ON REQUEST | | |
| 22 | ON REQUEST | | |
| 24 | ON REQUEST | | |
| 28 | ON REQUEST | | |
| 32 | ON REQUEST | | |
| 36 | ON REQUEST | | |



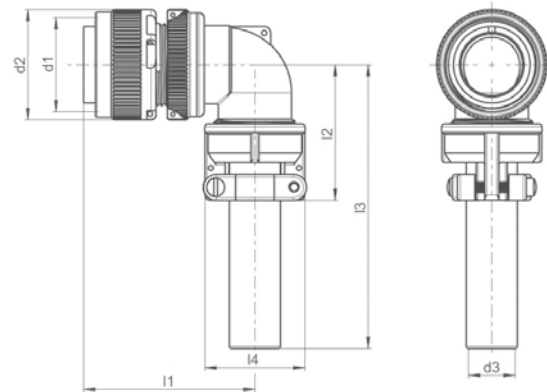
Angular plug, with cable clamp and bushing.

Example:
GCA08E-18-1SB

| Shell size | d ₁ max. | d ₂ ⁽¹⁾ max. | l ₁ max. | l ₂ max. | l ₃ max. | l ₄ max. |
|------------|---------------------|------------------------------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 22,8 | 6,5 | 45 | 42 | 100 | 22,7 |
| 12S | 25,6 | 6,5 | 45 | 42 | 100 | 22,7 |
| 14S | 29,2 | 9,0 | 47 | 42 | 100 | 27,5 |
| 16S | 32,0 | 11,0 | 48 | 45 | 100 | 30,0 |
| 16 | 32,0 | 11,0 | 57 | 45 | 100 | 30,0 |
| 18 | 36,5 | 14,2 | 58 | 53 | 100 | 33,0 |
| 20 | 39,9 | 15,8 | 61 | 53 | 100 | 37,5 |
| 22 | 43,1 | 15,8 | 61 | 58 | 100 | 37,5 |
| 24 | 46,6 | 21,4 | 66 | 58 | 100 | 43,3 |
| 28 | 53,4 | 21,4 | 66 | 58 | 100 | 48,0 |
| 32 | 60,1 | 26,7 | 72 | 66 | 110 | 55,0 |
| 36 | 66,3 | 31,7 | 75 | 69 | 110 | 58,0 |

(1) For max. admissible cable diameter

Plug, 90° backshell, cable clamp and bushing GCA08E

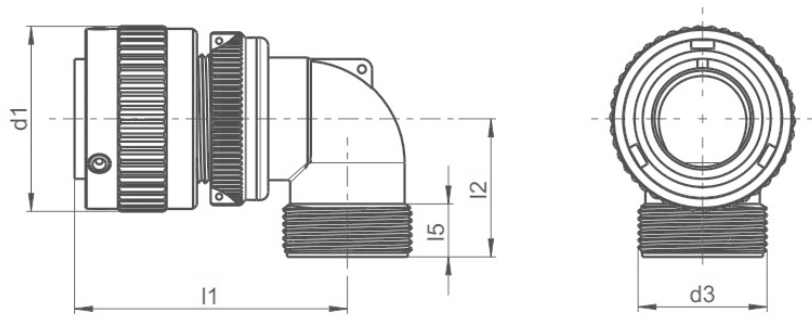
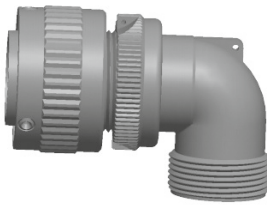


Angular plug, with cable clamp and bushing.

Example:
GCA08E-18-1S

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ ⁽¹⁾ max. | l ₁ max. | l ₂ max. | l ₃ max. | l ₄ max. |
|------------|-------------------------|---------------------|------------------------------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 6,5 | 45 | 42 | 100 | 22,7 |
| 12S | 3/4-20 UNEF | 24,0 | 6,5 | 45 | 42 | 100 | 22,7 |
| 14S | 7/8-20 UNEF | 28,3 | 9,0 | 47 | 42 | 100 | 27,5 |
| 16S | 1-20 UNEF | 31,4 | 11,0 | 48 | 45 | 100 | 30,0 |
| 16 | 1-20 UNEF | 31,4 | 11,0 | 57 | 45 | 100 | 30,0 |
| 18 | 1 1/8-18 UNEF | 33,7 | 14,2 | 58 | 53 | 100 | 33,0 |
| 20 | 1 1/4-18 UNEF | 36,8 | 15,8 | 61 | 53 | 100 | 37,5 |
| 22 | 1 3/8-18 UNEF | 40,0 | 15,8 | 61 | 58 | 100 | 37,5 |
| 24 | 1 1/2-18 UNEF | 43,5 | 21,4 | 66 | 58 | 100 | 43,3 |
| 28 | 1 3/4-18 UNS | 49,8 | 21,4 | 66 | 58 | 100 | 48,0 |
| 32 | 2-18 UNS | 56,0 | 26,7 | 72 | 66 | 110 | 55,0 |
| 36 | 2 1/4-16 UN | 62,5 | 31,7 | 75 | 69 | 110 | 58,0 |

(1) For max. admissible cable diameter

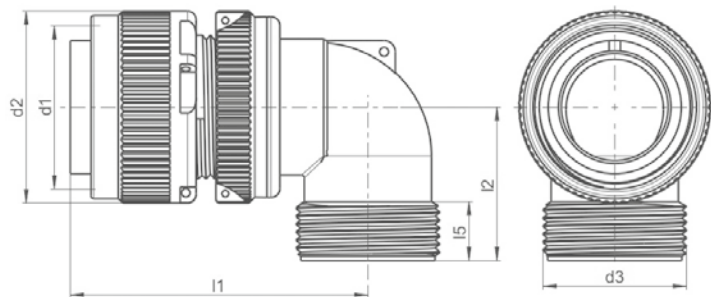
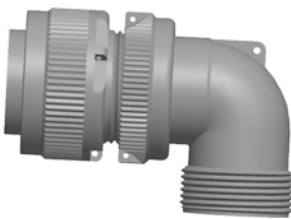


Angular plug with backshell for conduit termination.

Example:
GCA08F-18-1SB

| Shell size | d ₁ max. | d ₃ Class 2A | l ₁ max. | l ₂ max. | l ₅ min. |
|------------|------------------------|----------------------------|------------------------|------------------------|------------------------|
| 10SL | 22,8 | 5/8-24 UNEF | 45 | 30 | 9,4 |
| 12S | 25,6 | 5/8-24 UNEF | 45 | 30 | 9,4 |
| 14S | 29,2 | 3/4-20 UNEF | 47 | 30 | 9,4 |
| 16S | 32,0 | 7/8-20 UNEF | 48 | 30 | 9,4 |
| 16 | 32,0 | 7/8-20 UNEF | 57 | 35 | 9,4 |
| 18 | 36,5 | 1-20 UNEF | 58 | 35 | 9,4 |
| 20 | 39,9 | 1 3/16-18 UNEF | 61 | 35 | 9,4 |
| 22 | 43,1 | 1 3/16-18 UNEF | 61 | 40 | 9,4 |
| 24 | 46,6 | 1 7/16-18 UNEF | 66 | 40 | 9,4 |
| 28 | 53,4 | 1 7/16-18 UNEF | 66 | 40 | 9,4 |
| 32 | 60,1 | 1 3/4-18 UNS | 72 | 45 | 11,0 |
| 36 | 66,3 | 2-18 UNS | 75 | 50 | 12,6 |

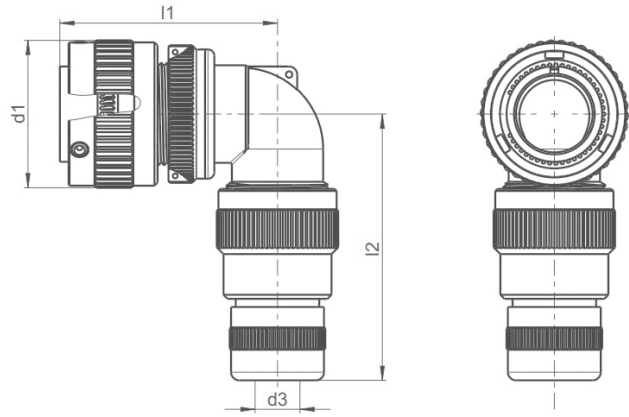
Plug, 90° backshell, conduit termination GCA08F



Angular plug with backshell for conduit termination.

Example:
GCA08F-18-1S

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ Class 2A | l ₁ max. | l ₂ max. | l ₃ min. |
|------------|----------------------------|------------------------|----------------------------|------------------------|------------------------|------------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 5/8-24 UNEF | 45 | 30 | 9,4 |
| 12S | 3/4-20 UNEF | 24,0 | 5/8-24 UNEF | 45 | 30 | 9,4 |
| 14S | 7/8-20 UNEF | 28,3 | 3/4-20 UNEF | 47 | 30 | 9,4 |
| 16S | 1-20 UNEF | 31,4 | 7/8-20 UNEF | 48 | 30 | 9,4 |
| 16 | 1-20 UNEF | 31,4 | 7/8-20 UNEF | 57 | 35 | 9,4 |
| 18 | 1 1/8-18 UNEF | 33,7 | 1-20 UNEF | 58 | 35 | 9,4 |
| 20 | 1 1/4-18 UNEF | 36,8 | 1 3/16-18 UNEF | 61 | 35 | 9,4 |
| 22 | 1 3/8-18 UNEF | 40,0 | 1 3/16-18 UNEF | 61 | 40 | 9,4 |
| 24 | 1 1/2-18 UNEF | 43,5 | 1 7/16-18 UNEF | 66 | 40 | 9,4 |
| 28 | 1 3/4-18 UNS | 49,8 | 1 7/16-18 UNEF | 66 | 40 | 9,4 |
| 32 | 2-18 UNS | 56,0 | 1 3/4-18 UNS | 72 | 45 | 11,0 |
| 36 | 2 1/4-16 UN | 62,5 | 2-18 UNS | 75 | 50 | 12,6 |



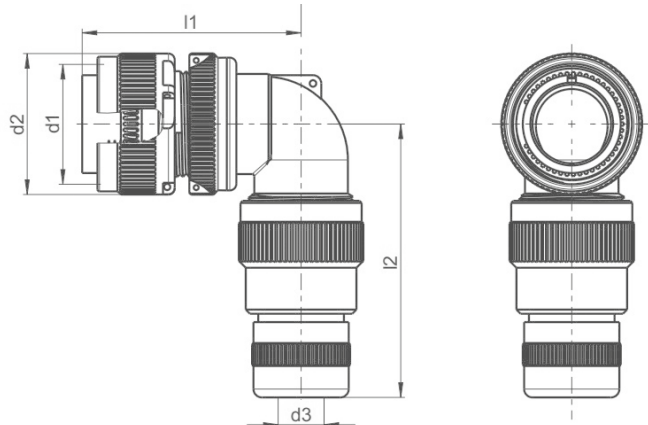
Angular plug with grounding finger, EGM backshell for shielded cable.

Example:
GCA08EGM11-18-1SB
or
GCA08EGM21-18-1SB

d3:
For EGM11 can accept cable min.
5,7 mm – max. 10,85 mm
For EGM21 can accept cable min.
12,7 mm – max. 17,85 mm

| Shell size | d ₁ max. | l ₁ max. | l ₂ max. |
|------------|---------------------|---------------------|---------------------|
| 10SL | 22,8 | 41 | 91 |
| 12S | 25,6 | 41 | 91 |
| 14S | 29,2 | 41 | 91 |
| 16S | 32,0 | 43 | 93 |
| 16 | 32,0 | 53 | 93 |
| 18 | 36,5 | 55 | 95 |
| 20 | ON REQUEST | | |
| 22 | ON REQUEST | | |
| 24 | ON REQUEST | | |
| 28 | ON REQUEST | | |
| 32 | ON REQUEST | | |
| 36 | ON REQUEST | | |

Plug with grounding finger, 90° backshell and universal backshell GCA08EGM

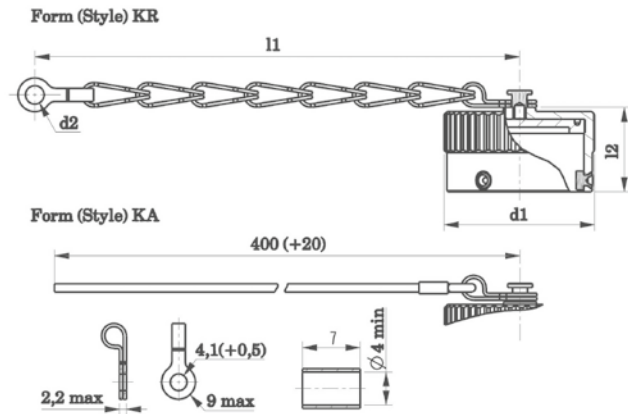
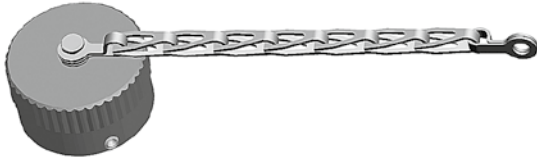


Angular plug with grounding finger, EGM backshell for shielded cable.

Example:
GCA08EGM11-18-1S
or
GCA08EGM21-18-1S

d3:
For EGM11 can accept cable min.
5,7 mm – max. 10,85 mm
For EGM21 can accept cable min.
12,7 mm – max. 17,85 mm

| Shell size | d ₁ Class 2B | d ₂ max. | l ₁ max. | l ₂ max. |
|------------|-------------------------|---------------------|---------------------|---------------------|
| 10SL | 5/8-24 UNEF | 22,0 | 41 | 91 |
| 12S | 3/4-20 UNEF | 24,0 | 41 | 91 |
| 14S | 7/8-20 UNEF | 28,3 | 41 | 91 |
| 16S | 1-20 UNEF | 31,4 | 43 | 93 |
| 16 | 1-20 UNEF | 31,4 | 53 | 93 |
| 18 | 1 1/8-18 UNEF | 33,7 | 55 | 95 |
| 20 | ON REQUEST | | | |
| 22 | ON REQUEST | | | |
| 24 | ON REQUEST | | | |
| 28 | ON REQUEST | | | |
| 32 | ON REQUEST | | | |
| 36 | ON REQUEST | | | |



Protective cover for receptacle. Style KR with chain or style KA with rope.

Example:

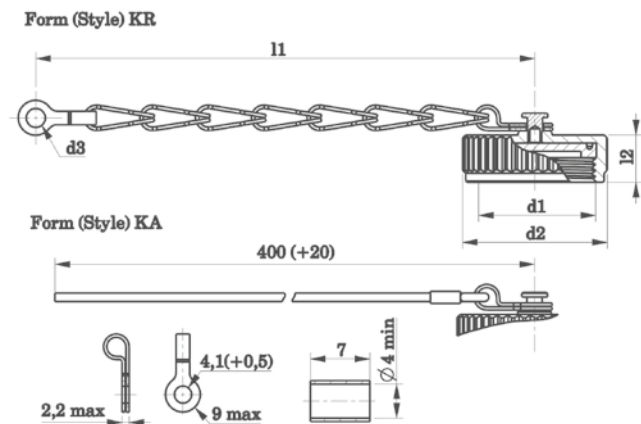
GCA-KRBXX

GCA-KABXX

XX for shell size

| Shell size | d ₁ max. | d ₂ +0,6 | l ₁ max. | l ₂ max. |
|------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 23,5 | 4,3 | 90 | 20 |
| 12S | 27,0 | 4,3 | 90 | 20 |
| 14S | 30,5 | 4,3 | 90 | 20 |
| 16S | 33,0 | 4,3 | 90 | 20 |
| 16 | 33,0 | 4,3 | 100 | 25 |
| 18 | 37,5 | 4,3 | 100 | 25 |
| 20 | 41,0 | 4,3 | 115 | 25 |
| 22 | 44,0 | 4,3 | 115 | 25 |
| 24 | 47,5 | 4,3 | 115 | 25 |
| 28 | 54,5 | 5,5 | 160 | 25 |
| 32 | 61,0 | 5,5 | 160 | 25 |
| 36 | 67,5 | 5,5 | 160 | 25 |

Protective cover for receptacle GCA-KR / GCA-KA



Protective cover for receptacle. Style KR with chain or style KA with rope

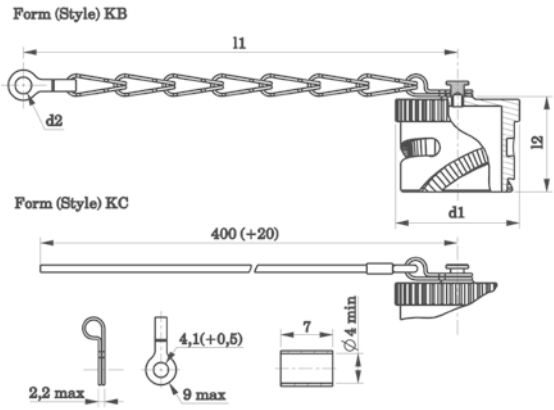
Example:

GCA-KRXX

GCA-KAXX

XX for shell size

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ +0,6 | l ₁ max. | l ₂ max. |
|------------|-------------------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 5/8-24 UNEF | 20,7 | 4,3 | 90 | 11,2 |
| 12S | 3/4-20 UNEF | 25,4 | 4,3 | 90 | 11,2 |
| 14S | 7/8-20 UNEF | 28,6 | 4,3 | 90 | 11,2 |
| 16S | 1-20 UNEF | 30,2 | 4,3 | 90 | 11,2 |
| 16 | 1-20 UNEF | 30,2 | 4,3 | 100 | 11,2 |
| 18 | 1 1/8-18 UNEF | 34,1 | 4,3 | 100 | 11,2 |
| 20 | 1 1/4-18 UNEF | 37,3 | 4,3 | 115 | 11,2 |
| 22 | 1 3/8-18 UNEF | 40,4 | 4,3 | 115 | 11,2 |
| 24 | 1 1/2-18 UNEF | 43,6 | 4,3 | 115 | 11,2 |
| 28 | 1 3/4-18 UNS | 50,0 | 5,5 | 160 | 12,7 |
| 32 | 2 -18 UNS | 56,3 | 5,5 | 160 | 12,7 |
| 36 | 2 1/4-16 UN | 62,7 | 5,5 | 160 | 12,7 |

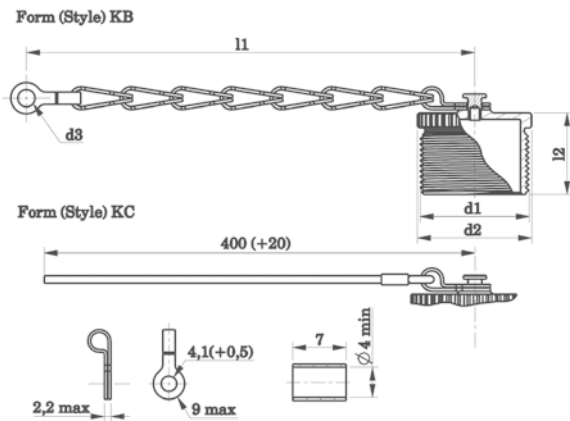


Protective cover for plug shell. Style KB with chain or style KC with rope.

Example:
GCA-KBBXX
GCA-KCBXX
XX for shell size

| Shell size | d ₁ max. | d ₂ +0,6 | l ₁ max. | l ₂ max. |
|------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 21,0 | 4,3 | 90 | 29 |
| 12S | 24,0 | 4,3 | 100 | 29 |
| 14S | 27,5 | 4,3 | 100 | 29 |
| 16S | 30,0 | 4,3 | 100 | 29 |
| 16 | 30,0 | 4,3 | 115 | 37 |
| 18 | 33,5 | 4,3 | 115 | 37 |
| 20 | 37,0 | 4,7 | 130 | 37 |
| 22 | 40,0 | 4,7 | 130 | 37 |
| 24 | 43,5 | 4,7 | 130 | 37 |
| 28 | 49,5 | 4,7 | 190 | 37 |
| 32 | 56,0 | 5,5 | 190 | 37 |
| 36 | 62,5 | 5,5 | 190 | 37 |

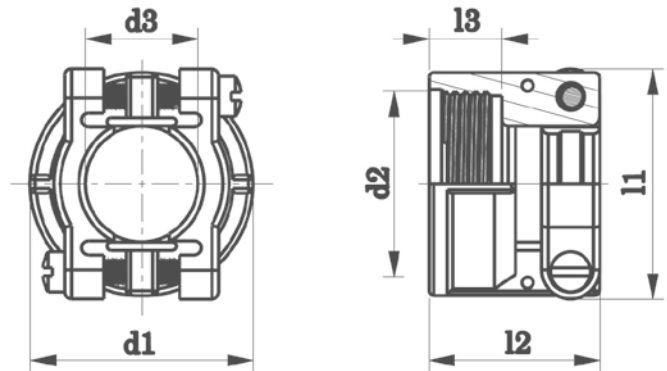
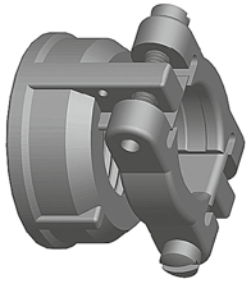
Protective cover for plug GCA-KB / GCA-KC



Protective cover for plug shell. Style KB with chain or style KC with rope.

Example:
GCA-KBXX
GCA-KCXX
XX for shell size

| Shell size | d ₁ Class 2B | d ₂ max. | d ₃ +0,6 | l ₁ max. | l ₂ max. |
|------------|-------------------------|---------------------|---------------------|---------------------|---------------------|
| 10SL | 5/8-24 UNEF | 17,4 | 4,3 | 90 | 16,7 |
| 12S | 3/4-20 UNEF | 20,6 | 4,3 | 100 | 21,4 |
| 14S | 7/8-20 UNEF | 23,7 | 4,3 | 100 | 21,4 |
| 16S | 1-20 UNEF | 26,9 | 4,3 | 100 | 21,4 |
| 16 | 1-20 UNEF | 26,9 | 4,3 | 115 | 21,4 |
| 18 | 1 1/8-18 UNEF | 30,0 | 4,3 | 115 | 21,4 |
| 20 | 1 1/4-18 UNEF | 33,0 | 4,7 | 130 | 21,4 |
| 22 | 1 3/8-18 UNEF | 36,4 | 4,7 | 130 | 21,4 |
| 24 | 1 1/2-18 UNEF | 39,6 | 4,7 | 130 | 21,4 |
| 28 | 1 3/4-18 UNS | 46,0 | 4,7 | 190 | 21,4 |
| 32 | 2 -18 UNS | 52,0 | 5,5 | 190 | 21,4 |
| 36 | 2 1/4-16 UN | 58,7 | 5,5 | 190 | 21,4 |



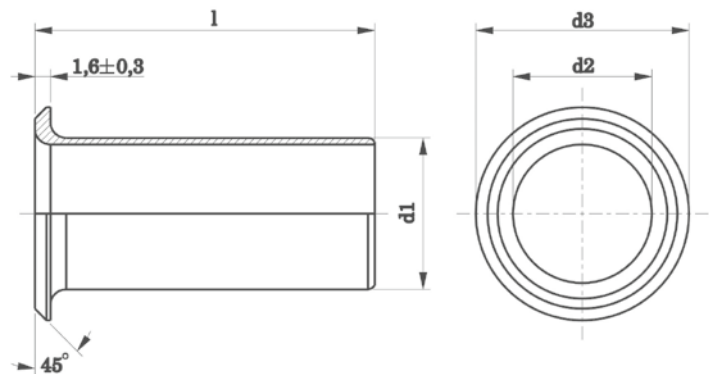
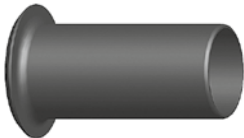
Clamp for connector style E

Example:
GCA-KKXX

XX for shell size

| Size | d_1 $\pm 0,79$ | d_2 Class 2B | d_3 max. | l_1 $\pm 0,79$ | l_2 $\pm 0,79$ | l_3 |
|------------|---------------------|-------------------|---------------|---------------------|---------------------|-------|
| 10SL / 12S | 20,63 | 5/8-24 UNEF | 8,0 | 22,23 | 20,63 | 10,3 |
| 14S | 24,61 | 3/4-20 UNEF | 11,2 | 26,98 | 22,23 | 10,3 |
| 16S / 16 | 27,79 | 7/8-20 UNEF | 14,3 | 29,36 | 23,83 | 10,3 |
| 18 | 30,18 | 1-20 UNEF | 15,9 | 31,75 | 23,83 | 10,3 |
| 20 / 22 | 34,93 | 1 3/16-18 UNEF | 19,1 | 37,31 | 23,83 | 10,3 |
| 24 / 28 | 42,06 | 1 7/16-18 UNEF | 23,9 | 42,88 | 26,19 | 10,3 |
| 32 | 51,59 | 1 3/4-18 UNS | 31,8 | 51,59 | 27,79 | 11,9 |
| 36 | 56,36 | 2-18 UNS | 35,0 | 57,94 | 29,36 | 13,5 |

Plug, universal backshell GCA06EGM / GCA-KT

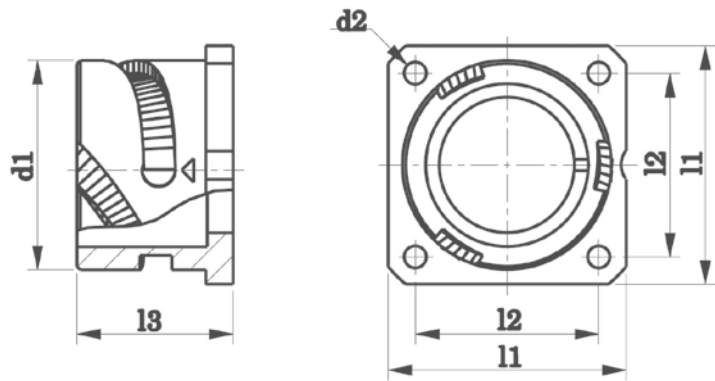
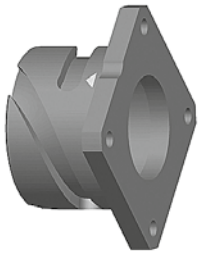


Bushing

Example:
GCA-KTXX

XX for shell size

| Size | Order-No. according to | | d_1 | d_2 | d_3 | l |
|------------|------------------------|-----------|-------|-------|-------|------|
| | VG95234 | M5 | | | | |
| 10SL / 12S | VG95234KT10SL | - | 8,0 | 6,6 | 10,0 | 70,0 |
| 14S | VG95234KT14S | - | 10,9 | 9,1 | 12,7 | 67,0 |
| 16S / 16 | VG95234KT16 | MS3420-8 | 14,0 | 11,1 | 18,9 | 63,5 |
| 18 | VG95234KT18 | MS3420-10 | 15,7 | 14,3 | 22,6 | 60,3 |
| 20 / 22 | VG95234KT20 | MS3420-12 | 18,8 | 15,9 | 27,5 | 57,0 |
| 24 / 28 | VG95234KT24 | - | 23,6 | 21,5 | 33,3 | 54,0 |
| 32 | VG95234KT32 | - | 31,5 | 26,8 | 40,4 | 51,0 |
| 36 | VG95234KT36 | MS3420-24 | 34,7 | 31,8 | 46,9 | 47,6 |



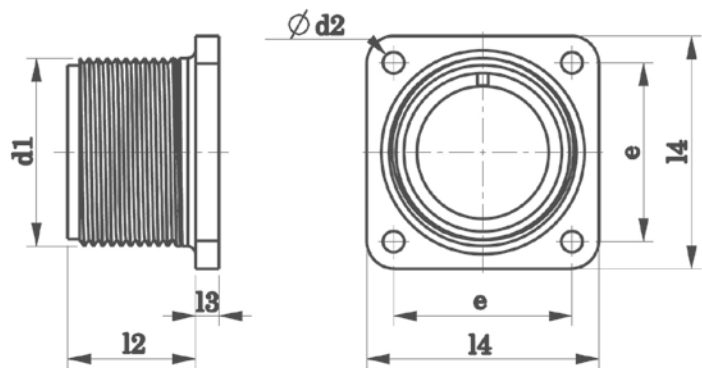
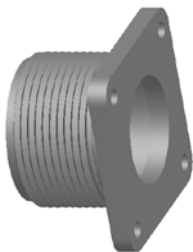
Dummy, backs side open, for front panel mounting.

Example:
GCA-BODBXX

XX for shell size

| Shell size | d_1 -0,15 | d_2 $\pm 0,2$ | l_1 $\pm 0,3$ | l_2 $\pm 0,1$ | l_3 max. |
|------------|----------------|--------------------|--------------------|--------------------|---------------|
| 10SL | 18,2 | 3,2 | 25,4 | 18,2 | 17,5 |
| 12S | 21,3 | 3,2 | 28,05 | 20,6 | 17,5 |
| 14S | 24,6 | 3,2 | 30,0 | 23,0 | 18,0 |
| 16S | 27,4 | 3,2 | 32,5 | 24,6 | 18,0 |
| 16 | 27,4 | 3,2 | 32,5 | 24,6 | 23,5 |
| 18 | 30,8 | 3,2 | 35,0 | 27,0 | 23,5 |
| 20 | 34,2 | 3,2 | 38,0 | 29,4 | 23,5 |
| 22 | 37,4 | 3,2 | 41,0 | 31,8 | 23,5 |
| 24 | 40,9 | 3,7 | 44,5 | 34,9 | 25,5 |
| 28 | 46,7 | 3,7 | 50,8 | 39,7 | 25,5 |
| 32 | 53,4 | 4,3 | 57,0 | 44,5 | 27,0 |
| 36 | 59,6 | 4,3 | 63,5 | 49,2 | 27,0 |

Protective cover for plug / Dummy

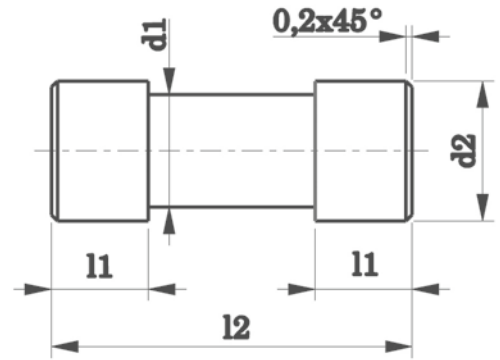
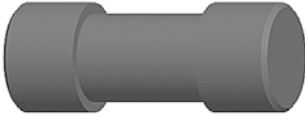


Dummy, backs side open, for front panel mounting.

Example:
GCA-BODXX

XX for shell size

| Shell size | d_1 Class 2A | e $\pm 0,1$ | d_2 $\pm 0,2$ | l_2 $\pm 0,4$ | l_3 $\pm 0,2$ | l_4 $\pm 0,3$ |
|------------|-------------------|----------------|--------------------|--------------------|--------------------|--------------------|
| 10SL | 5/8-24 UNEF | 18,2 | 3,2 | 14,27 | 2,17 | 25,6 |
| 12S | 3/4-20 UNEF | 20,6 | 3,2 | 14,27 | 2,17 | 27,8 |
| 14S | 7/8-20 UNEF | 23,0 | 3,2 | 14,27 | 2,17 | 30,4 |
| 16S | 1-20 UNEF | 24,6 | 3,2 | 14,27 | 2,17 | 32,8 |
| 16 | 1-20 UNEF | 24,6 | 3,2 | 19,05 | 2,17 | 32,8 |
| 18 | 1 1/8-18 UNEF | 27,0 | 3,2 | 19,05 | 3,37 | 35,1 |
| 20 | 1 1/4-18 UNEF | 29,4 | 3,2 | 19,05 | 3,37 | 38,1 |
| 22 | 1 3/8-18 UNEF | 31,8 | 3,2 | 19,05 | 3,37 | 41,5 |
| 24 | 1 1/2-18 UNEF | 34,9 | 3,7 | 20,62 | 3,37 | 44,7 |
| 28 | 1 3/4-18 UNS | 39,7 | 3,7 | 20,62 | 3,37 | 51,1 |
| 32 | 2 -18 UNS | 44,5 | 4,3 | 22,22 | 3,37 | 57,2 |
| 36 | 2 1/4-16 UN | 49,2 | 4,3 | 22,22 | 3,37 | 63,7 |



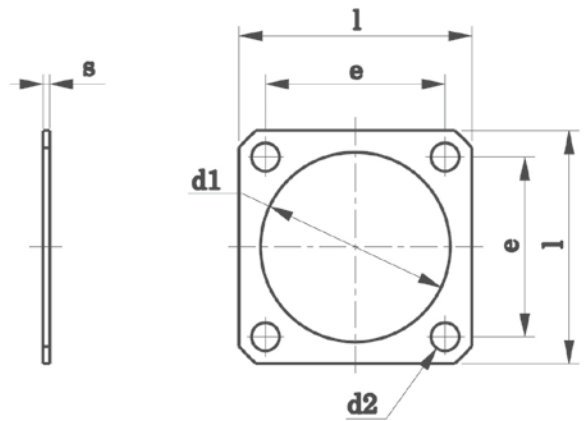
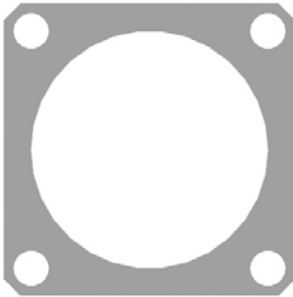
Grommet cavities without contacts have to be equipped with sealing plugs.

Example:
GCA-BXX

XX for plug size

| Plug size | For contact size | | d_1 $\pm 0,1$ | d_2 $\pm 0,2$ | l_1 $\pm 0,1$ | l_2 $\pm 0,3$ | Color |
|-----------|------------------|-----|--------------------|--------------------|--------------------|--------------------|--------|
| | Metrical | AWG | | | | | |
| 20 | 10 | 20 | 2,3 | 3,0 | 2,4 | 9,7 | red |
| 16 | 15S / 15 | 16 | 2,8 | 3,7 | 3,2 | 11,9 | blue |
| 12 | 25 / 25A | 12 | 3,7 | 4,6 | 3,2 | 11,9 | yellow |
| 8 | 60 / 100 | 8 | 5,0 | 5,8 | 3,2 | 11,9 | white |
| 4 | 160 | 4 | 7,6 | 8,5 | 3,2 | 11,9 | green |
| 0 | 500 | 0 | 12,8 | 13,5 | 3,2 | 11,9 | black |

Gaskets



For front panel mounting

Example: GCB-DAXX-Y-1
GCB-DAXX-Y-2-A oder B

For back panel mounting

Example: GCB-DHXX-Y-1
GCB-DHXX-Y-2-A oder B

Meaning:

XX for shell size

Y-1 for non conductive

Y-2-A for conductive in fluor silicone with Ag/Al conductive filler

Y-2-B for conductive in fluor silicone with Ni/C conductive filler

Version A:

Admissible ambient temperature: -55 °C to 160 °C
Fluor silicone with Ag/Al conductive filler
Hardness (65 ± 10) Shore A according to DIN EN ISO 868
Colour: blue-grey
Shielding effectiveness: 80 dB

Version B:

Admissible ambient temperature: -55 °C to 160 °C
Fluor silicone with Ni/C conductive filler
Hardness (75 ± 7) Shore A according to DIN EN ISO 868
Colour: dark-grey
Shielding effectiveness: 70 dB

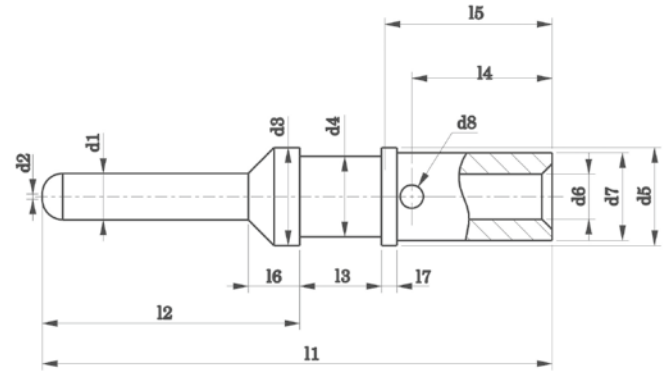
For front panel mounting

| Size | d_1 +1 | d_2 +0,5 | e $\pm 0,2$ | l $\pm 0,5$ | S | |
|----------|-------------|---------------|------------------|------------------|------------------------|-----------------------------------|
| | | | | | Version 1 $\pm 0,4$ | Version 2 A and B $\pm 0,2$ |
| 10SL | 15,7 | 4,2 | 18,2 | 25,4 | 1 | 0,5 |
| 12S | 19,1 | 4,2 | 20,6 | 27,8 | 1 | 0,5 |
| 14S | 22,1 | 4,2 | 23,0 | 30,0 | 1 | 0,5 |
| 16S / 16 | 25,3 | 4,2 | 24,6 | 32,5 | 1 | 0,5 |
| 18 | 28,4 | 4,2 | 27,0 | 35,0 | 1 | 0,5 |
| 20 | 31,6 | 4,2 | 29,4 | 38,0 | 1 | 0,5 |
| 22 | 34,8 | 4,2 | 31,8 | 41,0 | 1 | 0,5 |
| 24 | 38,0 | 4,2 | 34,9 | 44,5 | 1 | 0,5 |
| 28 | 44,3 | 5,1 | 39,7 | 50,8 | 1 | 0,8 |
| 32 | 50,7 | 5,1 | 44,5 | 57,0 | 1 | 0,8 |
| 36 | 57,0 | 5,1 | 49,2 | 63,5 | 1 | 0,8 |

For back panel mounting

| Size | d_1 +0,3 | d_2 +0,5 | e $\pm 0,2$ | l $\pm 0,5$ | S | |
|----------|---------------|---------------|------------------|------------------|------------------------|-----------------------------------|
| | | | | | Version 1 $\pm 0,4$ | Version 2 A and B $\pm 0,2$ |
| 10SL | 18,2 | 4,2 | 18,2 | 25,4 | 1 | 0,5 |
| 12S | 21,4 | 4,2 | 21,4 | 28,0 | 1 | 0,5 |
| 14S | 24,6 | 4,2 | 23,0 | 30,0 | 1 | 0,5 |
| 16S / 16 | 27,4 | 4,2 | 24,6 | 32,5 | 1 | 0,5 |
| 18 | 30,8 | 4,2 | 27,0 | 35,0 | 1 | 0,5 |
| 20 | 34,2 | 4,2 | 29,4 | 38,0 | 1 | 0,5 |
| 22 | 37,4 | 4,2 | 31,8 | 41,0 | 1 | 0,5 |
| 24 | 40,9 | 4,2 | 34,9 | 44,5 | 1 | 0,5 |
| 28 | 46,7 | 5,1 | 39,7 | 50,8 | 1 | 0,8 |
| 32 | 53,4 | 5,1 | 44,5 | 57,0 | 1 | 0,8 |
| 36 | 59,6 | 5,1 | 49,2 | 63,5 | 1 | 0,8 |

Pin contacts as per VG 95234



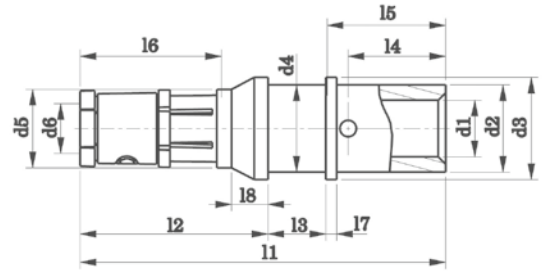
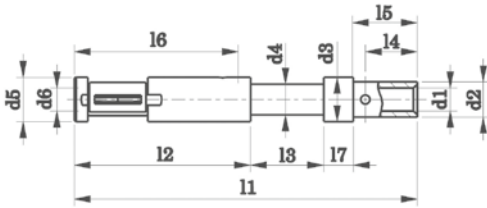
| Contact size | | Part-Number | | | d ₁ | d ₂ | d ₃ | d ₄ | d ₅ | d ₆ | d ₇ |
|--------------|-----|-----------------|---------------|------------------|----------------|----------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Metrical | AWG | VG95234 | silver plated | gold plated | -0,05 | max. | | | | | |
| 10 | - | VG95234P10 | GCB10M | GCB10M-A176 | 1,04 | 0,4 | 2,0 ^{-0,05} | 1,5 ^{-0,05} | 2,6 ^{-0,10} | 1,50 ^{+0,05} | 2,40 ^{-0,05} |
| | | VG95234P10-001 | GCB10M-001 | GCB10M-001-A176 | | | | | | 0,90 ^{+0,05} | |
| 15S | - | VG95234P15S | GCB15SM | GCB15SM-A176 | 1,6 | 0,4 | 3,2 ^{-0,10} | 1,75 ^{-0,10} | 3,2 ^{-0,10} | 1,75 ^{+0,08} | 2,75 ^{-0,05} |
| | | VG95234P15S-001 | GCB15SM-001 | GCB15SM-001-A176 | | | | | | 0,90 ^{+0,05} | |
| | | VG95234P15S-002 | GCB15SM-002 | GCB15SM-002-A176 | | | | | | 1,20 ^{+0,10} | |
| 15 | - | VG95234P15 | GCB15M | GCB15M-A176 | 1,6 | 0,4 | 3,2 ^{-0,10} | 1,75 ^{-0,10} | 3,2 ^{-0,10} | 1,75 ^{+0,08} | 2,75 ^{-0,05} |
| | | VG95234P15-001 | GCB15M-001 | GCB15M-001-A176 | | | | | | 0,90 ^{+0,05} | |
| | | VG95234P15-002 | GCB15M-002 | GCB15M-002-A176 | | | | | | 1,20 ^{+0,10} | |
| 25 | 12 | VG95234P25 | GCB25M | GCB25M-A176 | 2,4 | 0,4 | 4,8 ^{-0,10} | 3,30 ^{-0,15} | 4,8 ^{-0,10} | 2,50 ^{+0,10} | 3,80 ^{-0,10} |
| | | VG95234P25-001 | GCB25M-001 | GCB25M-001-A176 | | | | | | 1,75 ^{+0,08} | 3,40 ^{-0,05} |
| 25A | - | VG95234P25A | GCB25AM | GCB25AM-A176 | 2,4 | 0,4 | 4,8 ^{-0,10} | 3,30 ^{-0,15} | 4,8 ^{-0,10} | 2,50 ^{+0,10} | 3,80 ^{-0,10} |
| 60 | - | VG95234P60 | GCB60M | GCB60M-A176 | 3,6 | 0,4 | 7,6 ^{-0,20} | 6,25 ^{-0,15} | 7,6 ^{-0,20} | 3,50 ^{+0,10} | 6,80 ^{-0,10} |
| | | VG95234P60-001 | GCB60M-001 | GCB60M-001-A176 | | | | | | 2,50 ^{+0,05} | |
| - | 8 | VG95234P8 | GCB8M | GCB8M-A176 | 3,6 | 0,4 | 7,6 ^{-0,20} | 6,25 ^{-0,15} | 7,6 ^{-0,20} | 4,55 ^{+0,10} | 6,80 ^{-0,10} |
| 100 | - | VG95234P100 | GCB100M | GCB100M-A176 | 3,6 | 0,4 | 7,6 ^{-0,20} | 6,25 ^{-0,15} | 7,6 ^{-0,20} | 4,80 ^{+0,10} | 6,80 ^{-0,10} |
| 160 | - | VG95234P160 | GCB160M | GCB160M-A176 | 5,75 | 2,5 | 11,2 ^{-0,20} | 9,55 ^{-0,15} | 11,2 ^{-0,20} | 6,20 ^{+0,15} | 9,55 ^{-0,10} |
| | | VG95234P160-001 | GCB160M-001 | GCB160M-001-A176 | | | | | | 5,70 ^{+0,10} | |
| - | 4 | VG95234P4 | GCB4M | GCB4M-A176 | 5,75 | 2,5 | 11,2 ^{-0,20} | 9,55 ^{-0,15} | 11,2 ^{-0,20} | 7,10 ^{+0,15} | 9,55 ^{-0,10} |
| 500 | - | VG95234P500 | GCB500M | GCB500M-A176 | 9,1 | 5,8 | 15,15 ^{-0,20} | 13,55 ^{-0,15} | 15,15 ^{-0,20} | 10,70 ^{+0,15} | 14,35 ^{-0,10} |
| | | VG95234P500-001 | GCB500M-001 | GCB500M-001-A176 | | | | | | 7,60 ^{+0,15} | |
| | | VG95234P500-002 | GCB500M-002 | GCB500M-002-A176 | | | | | | 9,10 ^{+0,15} | |
| - | 0 | VG95234P0 | GCB0M | GCB0M-A176 | 9,1 | 5,8 | 15,15 ^{-0,20} | 13,55 ^{-0,15} | 15,15 ^{-0,20} | 11,50 ^{+0,15} | 14,35 ^{-0,10} |

| Contact size | | Part-Number | | | d ₈ | l ₁ | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | l ₇ |
|--------------|-----|-----------------|---------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------------|----------------------|
| Metrical | AWG | VG95234 | silver plated | gold plated | ±0,1 | ±0,2 | ±0,15 | ±0,1 | 0 -0,2 | min. | l ₆ | l ₇ |
| 10 | - | VG95234P10 | GCB10M | GCB10M-A176 | 0,7 | 28,4 | 11,3 | 4,75 | 3,4 | 4,6 | 1,3 ^{+0,10} | 0,8 ^{+0,10} |
| | | VG95234P10-001 | GCB10M-001 | GCB10M-001-A176 | | | | | | | | |
| 15S | - | VG95234P15S | GCB15SM | GCB15SM-A176 | 1 | 27,4 | 13,9 | 3,85 | 5,6 | 6,8 | 2,4 ^{+0,20} | 3,2 ^{+0,20} |
| | | VG95234P15S-001 | GCB15SM-001 | GCB15SM-001-A176 | | | | | | | | |
| | | VG95234P15S-002 | GCB15SM-002 | GCB15SM-002-A176 | | | | | | | | |
| 15 | - | VG95234P15 | GCB15M | GCB15M-A176 | 1 | 31,4 | 13,9 | 7,9 | 5,6 | 6,8 | 2,4 ^{+0,20} | 3,2 ^{+0,20} |
| | | VG95234P15-001 | GCB15M-001 | GCB15M-001-A176 | | | | | | | | |
| | | VG95234P15-002 | GCB15M-002 | GCB15M-002-A176 | | | | | | | | |
| 25 | 12 | VG95234P25 | GCB25M | GCB25M-A176 | 1,8 | 37 | 18,3 | 7,9 | 5,6 | 6,8 | 2,4 ^{+0,20} | 3,8 ^{+0,20} |
| | | VG95234P25-001 | GCB25M-001 | GCB25M-001-A176 | | | | | | | | |
| 25A | - | VG95234P25A | GCB25AM | GCB25AM-A176 | 1,8 | 33,9 | 15,2 | 7,9 | 5,6 | 6,8 | 2,4 ^{+0,20} | 3,8 ^{+0,20} |
| 60 | - | VG95234P60 | GCB60M | GCB60M-A176 | 1,8 | 39,6 | 20 | 6,35 | 10,7 | 12 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |
| | | VG95234P60-001 | GCB60M-001 | GCB60M-001-A176 | | | | | | | | |
| - | 8 | VG95234P8 | GCB8M | GCB8M-A176 | 1,8 | 39,6 | 20 | 6,35 | 10,7 | 12 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |
| 100 | - | VG95234P100 | GCB100M | GCB100M-A176 | 1,8 | 39,6 | 20 | 6,35 | 10,7 | 12 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |
| 160 | - | VG95234P160 | GCB160M | GCB160M-A176 | 1,8 | 39,6 | 20 | 6,35 | 10,7 | 12 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |
| | | VG95234P160-001 | GCB160M-001 | GCB160M-001-A176 | | | | | | | | |
| - | 4 | VG95234P4 | GCB4M | GCB4M-A176 | 1,8 | 39,6 | 20 | 6,35 | 10,7 | 12 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |
| 500 | - | VG95234P500 | GCB500M | GCB500M-A176 | 1,8 | 41 | 20 | 6,35 | 12 | 14 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |
| | | VG95234P500-001 | GCB500M-001 | GCB500M-001-A176 | | | | | | | | |
| | | VG95234P500-002 | GCB500M-002 | GCB500M-002-A176 | | | | | | | | |
| - | 0 | VG95234P0 | GCB0M | GCB0M-A176 | 1,8 | 41 | 20 | 6,35 | 12 | 14 | 4,0 ^{+0,20} | 1,2 ^{+0,20} |

Socket contacts as per VG95234

Size
10; 15S; 15; 25

Size
60; 8; 100;
160; 4; 500; 0



| Contact size | | Part-Number | | | d ₁ | d ₂ | d ₃ | d ₄ | d ₅ | d ₆ | l ₁ |
|--------------|-----|-----------------|---------------|------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Metrical | AWG | VG95234 | silver plated | gold plated | | | | | | | |
| 10 | - | VG95234S10 | GCB10F | GCB10F-A176 | 1,50 ^{+0,05} | 2,40 ^{-0,05} | 2,6 ^{-0,10} | 1,50 ^{-0,05} | 2,0 ^{-0,10} | 1,07 ^{+0,20} | 36,8 ^{±0,30} |
| | | VG95234S10-001 | GCB10F-001 | GCB10F-001-A176 | 0,90 ^{+0,05} | | | | | | |
| 15S | - | VG95234S15S | GCB15SF | GCB15SF-A176 | 1,75 ^{+0,08} | 2,75 ^{-0,05} | 3,2 ^{-0,15} | 1,75 ^{-0,10} | 3,2 ^{-0,15} | 1,65 ^{+0,30} | 29,1 ^{±0,20} |
| | | VG95234S15S-001 | GCB15SF-001 | GCB15SF-001-A176 | 0,90 ^{+0,05} | | | | | | |
| | | VG95234S15S-002 | GCB15SF-002 | GCB15SF-002-A176 | 1,20 ^{+0,10} | | | | | | |
| 15 | - | VG95234S15 | GCB15F | GCB15F-A176 | 1,75 ^{+0,08} | 2,75 ^{-0,05} | 3,2 ^{-0,15} | 1,75 ^{-0,10} | 3,2 ^{-0,15} | 1,65 ^{+0,30} | 37,8 ^{±0,20} |
| | | VG95234S15-001 | GCB15F-001 | GCB15F-001-A176 | 0,90 ^{+0,05} | | | | | | |
| | | VG95234S15-002 | GCB15F-002 | GCB15F-002-A176 | 1,20 ^{+0,10} | | | | | | |
| 25 | 12 | VG95234S25 | GCB25F | GCB25F-A176 | 2,50 ^{+0,10} | 3,80 ^{-0,10} | 4,8 ^{-0,10} | 3,30 ^{-0,10} | 4,8 ^{-0,10} | 2,45 ^{+0,30} | 37,0 ^{±0,20} |
| | | VG95234S25-001 | GCB25F-001 | GCB25F-001-A176 | 1,75 ^{+0,08} | | | | | | |
| 60 | - | VG95234S60 | GCB60F | GCB60F-A176 | 3,50 ^{+0,10} | 6,80 ^{-0,10} | 7,6 ^{-0,20} | 6,25 ^{-0,20} | 6,5 ^{-0,20} | 3,65 ^{+0,05} | 40,1 ^{±0,20} |
| | | VG95234S60-001 | GCB60F-001 | GCB60F-001-A176 | 2,50 ^{+0,05} | | | | | | |
| - | 8 | VG95234S8 | GCB8F | GCB8F-A176 | 4,55 ^{+0,10} | 6,80 ^{-0,10} | 7,6 ^{-0,20} | 6,25 ^{-0,20} | 6,5 ^{-0,20} | 3,65 ^{+0,05} | 40,1 ^{±0,20} |
| 100 | - | VG95234S100 | GCB100F | GCB100F-A176 | 4,80 ^{+0,10} | 6,80 ^{-0,10} | 7,6 ^{-0,20} | 6,25 ^{-0,20} | 6,5 ^{-0,20} | 3,65 ^{+0,05} | 40,1 ^{±0,20} |
| 160 | - | VG95234S160 | GCB160F | GCB160F-A176 | 6,20 ^{+0,15} | 9,55 ^{-0,10} | 11,2 ^{-0,20} | 9,55 ^{-0,20} | 8,6 ^{-0,20} | 5,80 ^{+0,05} | 40,1 ^{±0,20} |
| | | VG95234S160-001 | GCB160F-001 | GCB160F-001-A176 | 5,70 ^{+0,10} | | | | | | |
| - | 4 | VG95234S4 | GCB4F | GCB4F-A176 | 7,10 ^{+0,15} | 9,55 ^{-0,10} | 11,2 ^{-0,20} | 9,55 ^{-0,20} | 8,6 ^{-0,20} | 5,80 ^{+0,05} | 40,1 ^{±0,20} |
| 500 | - | VG95234S500 | GCB500F | GCB500F-A176 | 10,70 ^{+0,15} | 14,35 ^{-0,10} | 15,15 ^{-0,20} | 13,55 ^{-0,20} | 13,2 ^{-0,20} | 9,15 ^{+0,05} | 41,6 ^{±0,20} |
| | | VG95234S500-001 | GCB500F-001 | GCB500F-001-A176 | 7,60 ^{+0,15} | | | | | | |
| | | VG95234S500-002 | GCB500F-002 | GCB500F-002-A176 | 9,10 ^{+0,15} | | | | | | |
| - | 0 | VG95234S0 | GCB0F | GCB0F-A176 | 11,50 ^{+0,15} | 5,8 | 15,15 ^{-0,20} | 13,55 ^{-0,15} | 15,15 ^{-0,20} | 11,50 ^{+0,15} | 14,35 ^{-0,10} |

| Contact size | | Part-Number | | | l ₂ | l ₃ ±0,1 | l ₄ 0 -0,2 | l ₅ min. | l ₆ min. | l ₇ | l ₈ ±0,2 |
|--------------|-----|-----------------|---------------|------------------|-----------------------|------------------------|-----------------------------|------------------------|------------------------|----------------------|------------------------|
| Metrical | AWG | VG95234 | silver plated | gold plated | | | | | | | |
| 10 | - | VG95234S10 | GCB10F | GCB10F-A176 | 19,7 ^{±0,25} | 4,75 | 3,4 | 4,6 | 7,5 | 0,8 ^{±0,30} | - |
| | | VG95234S10-001 | GCB10F-001 | GCB10F-001-A176 | | | | | | | |
| 15S | - | VG95234S15S | GCB15SF | GCB15SF-A176 | 15,1 ^{±0,20} | 3,9 | 5,6 | 6,8 | 10 | 3,3 ^{±0,10} | - |
| | | VG95234S15S-001 | GCB15SF-001 | GCB15SF-001-A176 | | | | | | | |
| | | VG95234S15S-002 | GCB15SF-002 | GCB15SF-002-A176 | | | | | | | |
| 15 | - | VG95234S15 | GCB15F | GCB15F-A176 | 19,8 ^{±0,20} | 7,9 | 5,6 | 6,8 | 10 | 3,3 ^{±0,10} | - |
| | | VG95234S15-001 | GCB15F-001 | GCB15F-001-A176 | | | | | | | |
| | | VG95234S15-002 | GCB15F-002 | GCB15F-002-A176 | | | | | | | |
| 25 | 12 | VG95234S25 | GCB25F | GCB25F-A176 | 19,0 ^{±0,15} | 7,9 | 5,6 | 6,8 | 15 | 3,2 ^{±0,20} | - |
| | | VG95234S25-001 | GCB25F-001 | GCB25F-001-A176 | | | | | | | |
| 60 | - | VG95234S60 | GCB60F | GCB60F-A176 | 20,6 ^{±0,15} | 6,35 | 10,7 | 12 | 15 | 1,2 ^{±0,20} | 4 |
| | | VG95234S60-001 | GCB60F-001 | GCB60F-001-A176 | | | | | | | |
| - | 8 | VG95234S8 | GCB8F | GCB8F-A176 | 20,6 ^{±0,15} | 6,35 | 10,7 | 12 | 15 | 1,2 ^{±0,20} | 4 |
| 100 | - | VG95234S100 | GCB100F | GCB100F-A176 | 20,6 ^{±0,15} | 6,35 | 10,7 | 12 | 15 | 1,2 ^{±0,20} | 4 |
| 160 | - | VG95234S160 | GCB160F | GCB160F-A176 | 20,6 ^{±0,15} | 6,35 | 10,7 | 12 | 15 | 1,2 ^{±0,20} | 4 |
| | | VG95234S160-001 | GCB160F-001 | GCB160F-001-A176 | | | | | | | |
| - | 4 | VG95234S4 | GCB4F | GCB4F-A176 | 20,6 ^{±0,15} | 6,35 | 10,7 | 12 | 15 | 1,2 ^{±0,20} | 4 |
| 500 | - | VG95234S500 | GCB500F | GCB500F-A176 | 20,6 ^{±0,15} | 6,35 | 12 | 14 | 15 | 1,2 ^{±0,20} | 4 |
| | | VG95234S500-001 | GCB500F-001 | GCB500F-001-A176 | | | | | | | |
| | | VG95234S500-002 | GCB500F-002 | GCB500F-002-A176 | | | | | | | |
| - | 0 | VG95234S0 | GCB0F | GCB0F-A176 | 20,6 ^{±0,15} | 6,35 | 12 | 14 | 15 | 1,2 ^{±0,20} | 4 |

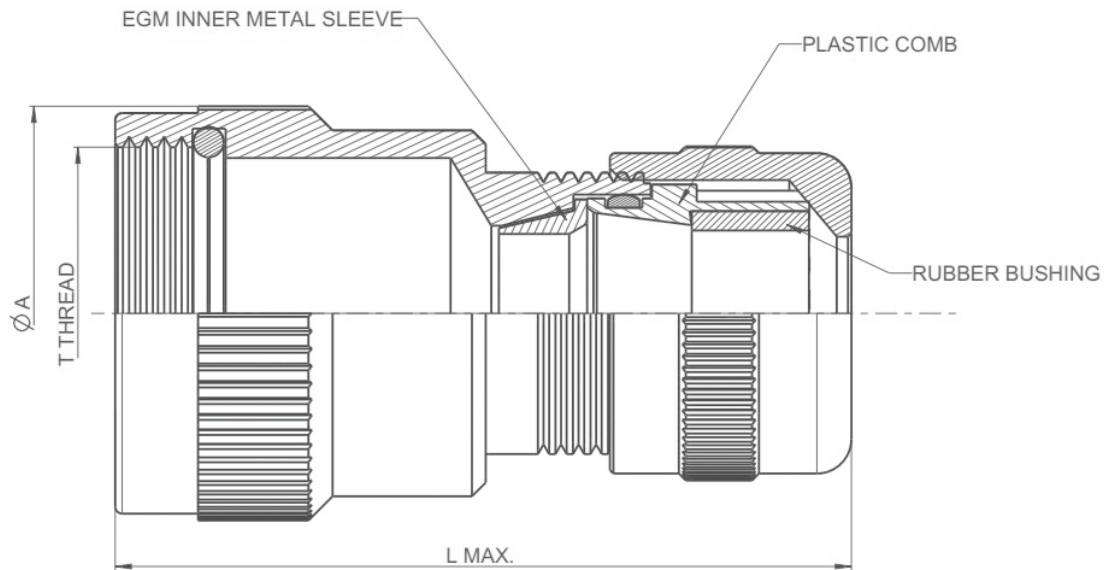
| Contact size | | Part-Number | | | Color code | Wire Size | | | |
|--------------|-----|------------------------|------------------------------|----------------------------|------------|-----------------|------|------|----|
| Metrical | AWG | VG95234 ⁽¹⁾ | silver plated ⁽²⁾ | gold plated ⁽²⁾ | | mm ² | | AWG | |
| | | | | | | from | to | from | to |
| 10 | - | VG95234X10 | GCB10X | GCB10X-A176 | - | 0,50 | 1,00 | 20 | 18 |
| | | VG95234X10-001 | GCB10X-001 | GCB10X-001-A176 | Blue | 0,14 | 0,38 | 26 | 22 |
| 15S | - | VG95234X15S | GCB15SX | GCB15SX-A176 | - | 0,75 | 1,50 | 18 | 16 |
| | | VG95234X15S-001 | GCB15SX-001 | GCB15SX-001-A176 | Blue | 0,14 | 0,38 | 26 | 22 |
| | | VG95234X15S-002 | GCB15SX-002 | GCB15SX-002-A176 | Red | 0,30 | 0,60 | 22 | 20 |
| 15 | - | VG95234X15 | GCB15X | GCB15X-A176 | - | 0,75 | 1,50 | 18 | 16 |
| | | VG95234X15-001 | GCB15X-001 | GCB15X-001-A176 | Blue | 0,14 | 0,38 | 26 | 22 |
| | | VG95234X15-002 | GCB15X-002 | GCB15X-002-A176 | Red | 0,3 | 0,60 | 22 | 20 |
| 25 | 12 | VG95234X25 | GCB25X | GCB25X-A176 | - | 2,00 | 3,00 | 14 | 12 |
| | | VG95234X25-001 | GCB25X-001 | GCB25X-001-A176 | Black | 0,75 | 1,50 | 18 | 16 |
| 25A | - | VG95234P25A | GCB25AM | GCB25AM-A176 | - | 2,00 | 3,00 | 14 | 12 |
| 60 | - | VG95234X60 | GCB60X | GCB60X-A176 | Yellow | 6,00 | | 10 | |
| | | VG95234X60-001 | GCB60X-001 | GCB60X-001-A176 | Green | 2,00 | 3,00 | 14 | 12 |
| - | 8 | VG95234X8 | GCB8X | GCB8X-A176 | - | - | | 8 | |
| 100 | - | VG95234X100 | GCB100X | GCB100X-A176 | - | 10,0 | | - | |
| 160 | - | VG95234X160 | GCB160X | GCB160X-A176 | - | 16,0 | | - | |
| | | VG95234X160-001 | GCB160X-001 | GCB160X-001-A176 | Brown | - | | 6 | |
| - | 4 | VG95234X4 | GCB4X | GCB4X-A176 | - | - | | 4 | |
| 500 | - | VG95234X500 | GCB500X | GCB500X-A176 | - | 50,0 | | - | |
| | | VG95234X500-001 | GCB500X-001 | GCB500X-001-A176 | White | 25,0 | | 4 | |
| | | VG95234X500-002 | GCB500X-002 | GCB500X-002-A176 | Grey | 35,0 | | 2 | |
| - | 0 | VG95234X0 | GCB0X | GCB0X-A176 | - | - | | 0 | |

⁽¹⁾ X – P or S⁽²⁾ X – M or F

VG95234 / GCB-B – Tools

| Contact size | | Part-Number | | | Pin contacts | | Socket contacts | |
|----------------|------------|-----------------|-----------------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|
| Metrical | AWG | VG9234 | silver plate ⁽¹⁾ | gold plate ⁽²⁾ | Crimp tool | Crimp insert | Crimp tool | Crimp insert |
| | | | | | 10 | - | VG95234X10 | GCB10X |
| VG95234X10-001 | GCB10X-001 | GCB10X-001-A176 | | | | | | |
| 15S | - | VG95234X15S | GCB15SX | GCB15SX-A176 | M22520/1-01 | VG95236T03B001 | M22520/1-01 | VG95236T03B002 |
| | | VG95234X15S-001 | GCB15SX-001 | GCB15SX-001-A176 | | | | |
| | | VG95234X15S-002 | GCB15SX-002 | GCB15SX-002-A176 | | | | |
| 15 | - | VG95234X15 | GCB15X | GCB15X-A176 | M22520/1-01 | VG95236T03B001 | M22520/1-01 | VG95236T03B002 |
| | | VG95234X15-001 | GCB15X-001 | GCB15X-001-A176 | | | | |
| | | VG95234X15-002 | GCB15X-002 | GCB15X-002-A176 | | | | |
| 25 | 12 | VG95234X25 | GCB25X | GCB25X-A176 | M22520/1-01 | VG95236T03B001 | M22520/1-01 | VG95236T03B002 |
| | | VG95234X25-001 | GCB25X-001 | GCB25X-001-A176 | | | | |
| 25A | - | VG95234P25A | GCB25AM | GCB25AM-A176 | M22520/1-01 | VG95236T03B001 | - | - |
| 60 | - | VG95234X60 | GCB60X | GCB60X-A176 | VG95236T11A0001 | VG95236T11AB001 | VG95236T11A0001 | VG95236T11AB001 |
| | | VG95234X60-001 | GCB60X-001 | GCB60X-001-A176 | | | | |
| - | 8 | VG95234X8 | GCB8X | GCB8X-A176 | | | | |
| 100 | - | VG95234X100 | GCB100X | GCB100X-A176 | | | | |
| | | VG95234X160 | GCB160X | GCB160X-A176 | | | | |
| 160 | - | VG95234X160-001 | GCB160X-001 | GCB160X-001-A176 | | | | |
| | | - | 4 | VG95234X4 | | | | |
| 500 | - | VG95234X500 | GCB500X | GCB500X-A176 | | | | |
| | | VG95234X500-001 | GCB500X-001 | GCB500X-001-A176 | | | | |
| | | VG95234X500-002 | GCB500X-002 | GCB500X-002-A176 | | | | |
| - | 0 | VG95234X0 | GCB0X | GCB0X-A176 | | | | |

⁽¹⁾ X – P or S⁽²⁾ X – M or F



| Shell size | For straight connector | | | | | For 90° R/A connector | | | | |
|------------|------------------------|--------------|----------|--------------|----------|-----------------------|--------------|----------|--------------|----------|
| | T Thread | EGM / PHM 11 | | EGM / PHM 21 | | T Thread | EGM / PHM 11 | | EGM / PHM 21 | |
| | | 'A' Max. | 'L' Max. | 'A' Max. | 'L' Max. | | 'A' Max. | 'L' Max. | 'A' Max. | 'L' Max. |
| 10SL | 5/8" - 24 NEF | 20.00 | 39.00 | | | 5/8" - 24 NEF | 20.00 | 39.00 | | |
| 12S | 5/8" - 24 NEF | 20.00 | 39.00 | | | 5/8" - 24 NEF | 20.00 | 39.00 | | |
| 14S | 3/4" - 20 UNEF | 22.70 | 39.00 | | | 3/4" - 20 UNEF | 22.70 | 39.00 | | |
| 16S/16 | 7/8" - 20 UNEF | 25.40 | 44.00 | | | 7/8" - 20 UNEF | 25.40 | 44.00 | | |
| 18 | 1" - 20 NEF | 30.20 | 54.50 | 30.20 | 41.80 | 1" - 20 NEF | 30.20 | 54.50 | 30.20 | 41.80 |
| 20 | ON REQUEST | | | | | | | | | |
| 22 | ON REQUEST | | | | | | | | | |
| 24 | ON REQUEST | | | | | | | | | |
| 28 | ON REQUEST | | | | | | | | | |
| 32 | ON REQUEST | | | | | | | | | |
| 36 | ON REQUEST | | | | | | | | | |

Note:

Rubber Bush supplied in Packing

In case of PHM inner metal ferrule is not required/supplied

EGM/PHM11 can accept cable Min. 5.70 mm & Max. 10.85 mm

EGM/PHM21 can accept cable Min. 12.70 mm & Max. 17.85 mm

Amphenol

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