

HIGH PRESSURE CONNECTORS W SERIES



Precision modular connectors to suit your application

Since its creation in Switzerland in 1946 the LEMO Group has been recognized as a global leader of circular Push-Pull connectors and connector solutions. Today LEMO and its affiliated companies, REDEL and COELVER, are active in more than 80 countries with the help of over 40 subsidiaries and distributors.

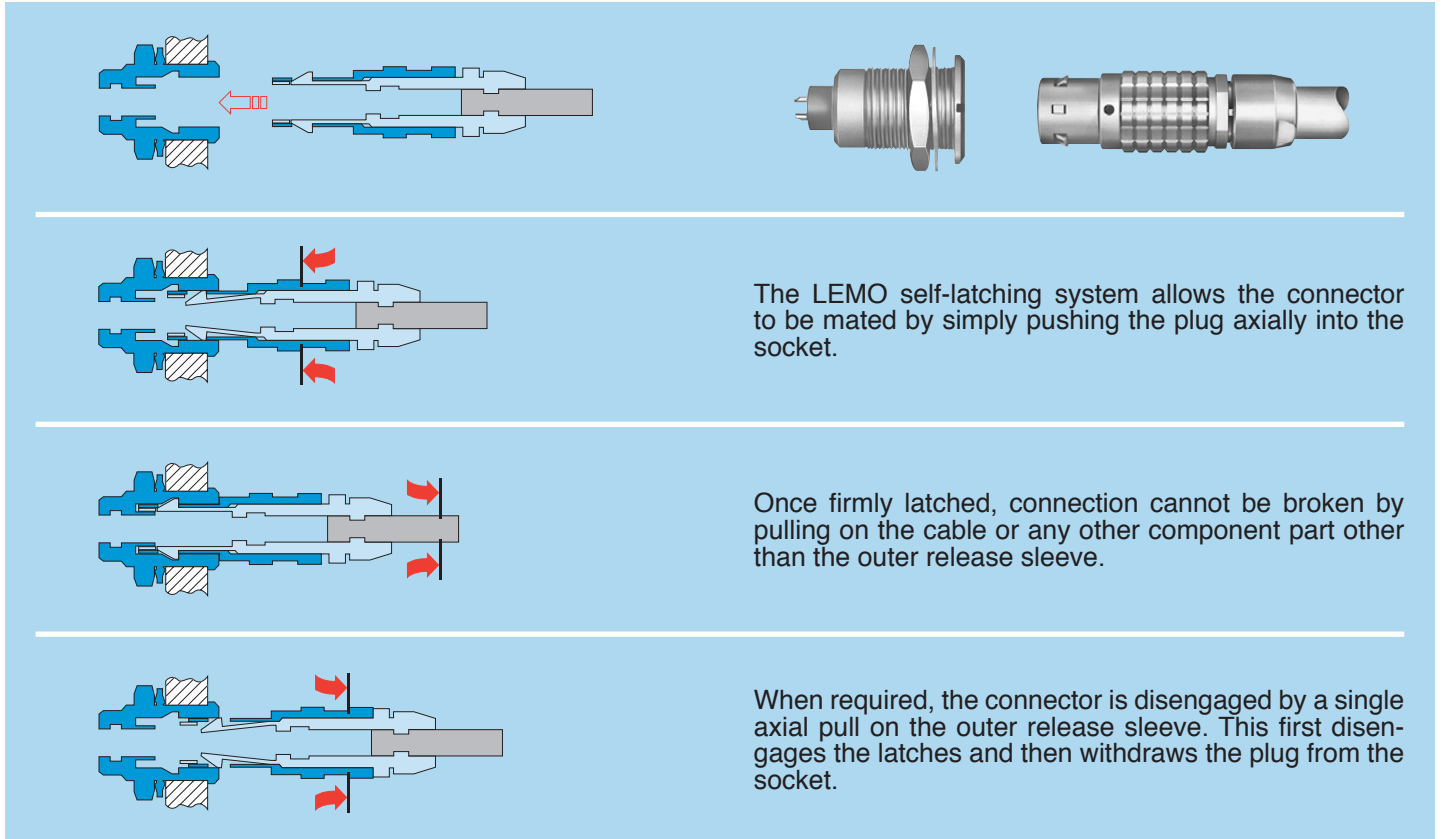
Over 75000 connectors

The modular design of the LEMO range provides over 75000 connectors from miniature \varnothing 3 mm to \varnothing 50 mm, capable of handling cable diameters up to 30 mm and for up to 114 contacts.

This vast portfolio enables you to select the ideal connector configuration to suit almost any specific requirement in most markets, including medical devices, test and measurement instruments, machinery, audio video broadcast, telecommunications and military.

LEMO's Push-Pull Self-Latching Connection System (not shown in this catalogue)



This self-latching system is renowned worldwide for its easy and quick mating and unmating features. It provides absolute security against vibration, shock or pull on the cable, and facilitates operation in a very limited space.



UL Recognition

LEMO connectors are recognized by the Underwriters Laboratories (UL). The approval of the complete system (LEMO connector, cable and your equipment) will be easier because LEMO connectors are recognized.

CE marking

CE marking  means that the appliance or equipment bearing it complies with the protection requirements of one or several European safety directives. CE marking  applies to complete products or equipment, **but not to electromechanical components, such as connectors.**

RoHS

LEMO connector specifications conforms the requirements of the RoHS directive (2011/65/EU) of the European Parliament and the latest amendments. This directive specifies the restrictions of the use of hazardous substances in electrical and electronic equipment marketed in Europe.

W Series

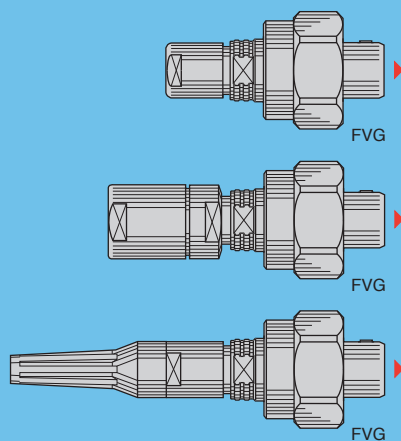
W Series connectors have been developed for utilisation where protection must be guaranteed under high pressures of liquids. The basic elements, insulators, contacts and clamping system are from the B series. The push-pull latching system has been replaced by a screw coupling system with watertightness maintained by compression of an O-ring in FPM (Viton®) according to the triangular shaped cavity principle. There are multiple application possibilities ranging from nuclear physics to the petroleum industry. After cable assembly, the rear part must be covered by an adhesive heatshrink boot in order to ensure watertightness on the cable side. W series connectors provide the following main features:

- multipole types from 2 to 64 contacts
- fibre optic or mixed types available upon request
- solder or crimp contacts
- keying system («G» key standard) for connector alignment
- multiple key options to avoid cross mating of similar connectors
- 360° screening for full EMC shielding
- rugged housing for extreme working conditions.

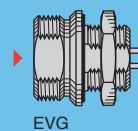
Interconnections

Models (page 3)

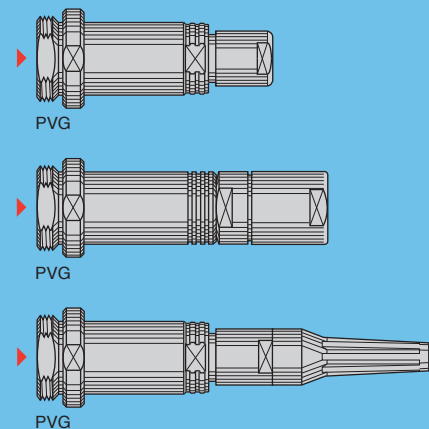
Straight plugs



Fixed socket

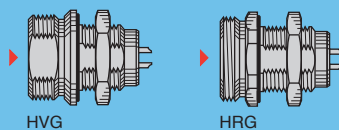


Free sockets



Vacuumtight models (page 6)

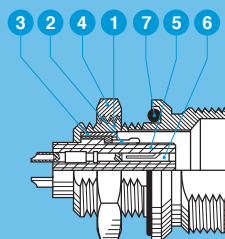
Fixed sockets



Part Section Showing Internal Components

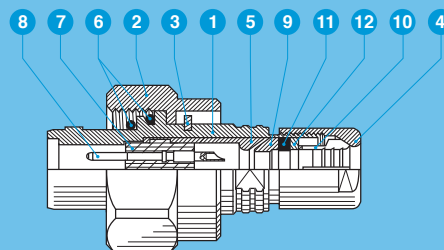
Fixed socket

- 1 outer shell
- 2 earthing crown
- 3 retaining ring
- 4 hexagonal nut
- 5 insulator
- 6 female contact
- 7 O-ring



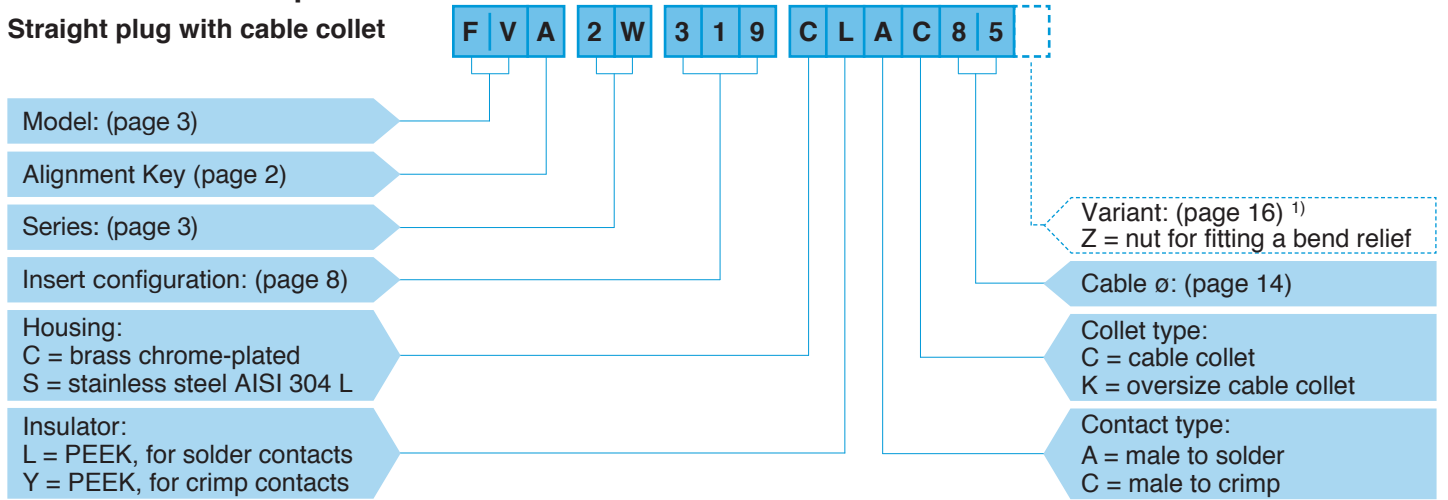
Straight plug

- 1 outer shell
- 2 coupling nut
- 3 circlip
- 4 collet nut
- 5 split insert carrier
- 6 o-ring
- 7 insulator
- 8 male contact
- 9 earthing cone
- 10 collet
- 11 gasket
- 12 washer



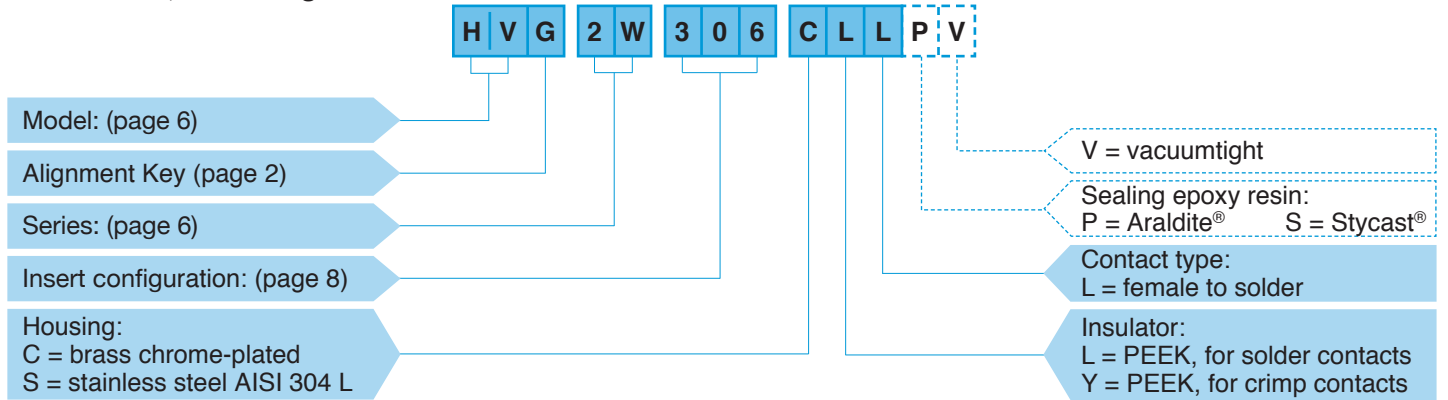
Part Number Example

Straight plug with cable collet



FVA.2W.319.CLAC85 = straight plug with key (A), 2W series, multipole type with 19 contacts, outer shell in chrome-plated brass, PEEK insulator, male solder contacts, C type collet for 8.5 mm diameter cable.

Fixed socket, vacuumtight



HVG.2W.306.CLLPV = fixed socket, nut fixing, key (G), 2W series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK insulator, female solder contacts, potted with Araldite[®] epoxy resin, vacuumtight.

Note: ¹⁾ The «Variant» position in the reference is used to specify either the presence of a collet nut for fitting the bend relief. For models with collet nut for fitting the bend relief, a «Z» should be indicated and a bend relief can be ordered separately. An order for a connector with bend relief should thus include two part numbers.



Alignment Key and Polarized Keying System

W series connector model part numbers are composed of three letters. The LAST LETTER indicates the key position and the contact type (male or female).

| Front view of a socket | Ref. | Nb of keys | Angles | Series | Contact type | | Note |
|----------------------------|----------|------------|----------|--------|--------------|--------|------|
| | | | | 0W-5W | Plug | Socket | |
| | G | 1 | | 0° | male | female | ● |
| | A | 2 | α | 30° | male | female | ● |
| | B | 2 | α | 45° | male | female | ● |
| | L | 2 | γ | 75° | female | male | ○ |

● Available
○ On request



Models

Technical Characteristics

Mechanical and Climatical

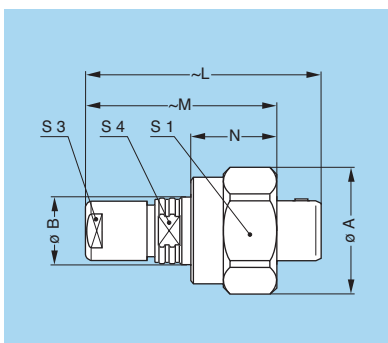
| Characteristics | Value | Standard |
|--|-------------------------|----------------------|
| Endurance | > 1000 cycles | IEC 60512-5 test 9a |
| Temperature range | -20° C, +200° C | |
| Salt spray corrosion test | > 144h | IEC 60512-6 test 11f |
| Protection index (mated) | > IP 68 | IEC 60529 |
| Resistance to hydrostatic pressure (mated) | ~ 30 bars ¹⁾ | IEC 60512-7 test 14d |
| Climatical category | 20/200/21 | IEC 60068-1 |

Electrical

| Characteristics | Value | Standard |
|----------------------|-----------|----------|
| Shielding efficiency | at 10 MHz | > 95 dB |
| | at 1 GHz | > 80 dB |

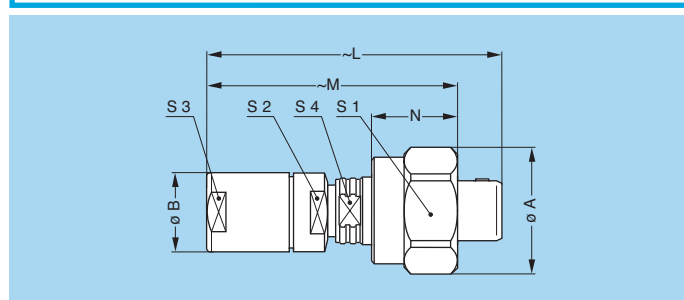
Note: ¹⁾ in order to perform correctly and withstand the pressure, cable assembly shall be made according to instruction we recommend. See page 19.

FVG Straight plug, key (G) or keys (A, B or L), cable collet



| Reference | | Dimensions (mm) | | | | | | | |
|-----------|--------|-----------------|------|-------|------|------|----|----|----|
| Model | Series | A | B | L | M | N | S1 | S3 | S4 |
| FVG | 0W | 17.2 | 10.0 | 36.0 | 30.8 | 13.5 | 16 | 8 | 8 |
| FVG | 1W | 19.3 | 12.0 | 43.2 | 35.1 | 14.0 | 18 | 9 | 10 |
| FVG | 2W | 23.5 | 16.0 | 52.5 | 43.0 | 15.5 | 22 | 12 | 13 |
| FVG | 3W | 27.8 | 17.0 | 61.5 | 48.0 | 16.5 | 26 | 15 | – |
| FVG | 4W | 34.3 | 22.0 | 71.5 | 57.5 | 17.5 | 32 | 19 | – |
| FVG | 5W | 50.0 | 34.0 | 100.0 | 83.0 | 21.0 | 47 | 30 | – |

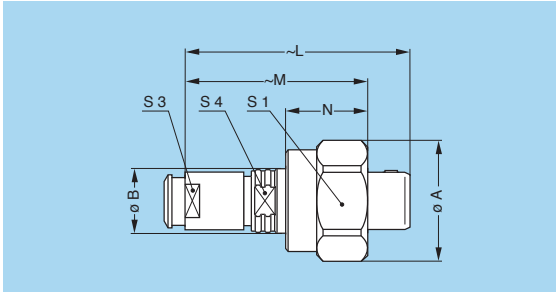
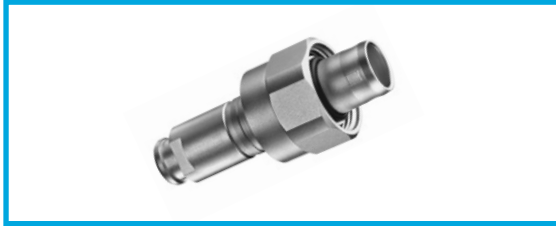
FVG Straight plug, key (G) or keys (A, B or L), oversize cable collet ¹⁾



| Reference | | Dimensions (mm) | | | | | | | | |
|-----------|--------|-----------------|------|-------|------|------|----|----|----|----|
| Model | Series | A | B | L | M | N | S1 | S2 | S3 | S4 |
| FVG | 1W | 19.3 | 14.5 | 56.5 | 48.3 | 14.0 | 18 | 12 | 12 | 10 |
| FVG | 2W | 23.5 | 17.0 | 68.5 | 56.0 | 15.5 | 22 | 15 | 15 | 13 |
| FVG | 3W | 27.8 | 22.0 | 80.5 | 67.0 | 16.5 | 26 | 19 | 19 | – |
| FVG | 4W | 34.3 | 36.0 | 105.5 | 91.5 | 17.5 | 32 | 30 | 32 | – |

Note: ¹⁾ correspond to K type of collet, the fitting of oversize collets onto this model allows them to be fitted to the cables that can be accommodated by the next housing size up (see page 14).

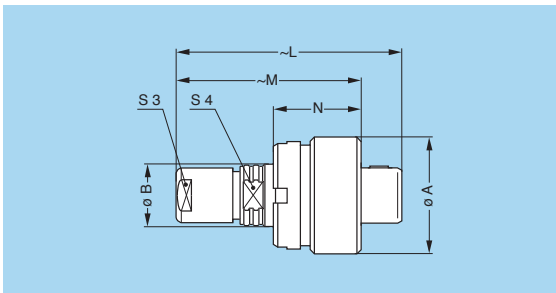
FVG Straight plug, key (G) or keys (A, B or L), cable collet and nut for fitting a bend relief ¹⁾



| Reference | | Dimensions (mm) | | | | | | | |
|------------|-----------|-----------------|------|------|------|------|----|----|----|
| Model | Series | A | B | L | M | N | S1 | S3 | S4 |
| FVG | 0W | 17.2 | 10.0 | 36.0 | 30.8 | 13.5 | 16 | 7 | 8 |
| FVG | 1W | 19.3 | 12.0 | 43.2 | 35.1 | 14.0 | 18 | 9 | 10 |
| FVG | 2W | 23.5 | 16.0 | 52.5 | 43.0 | 15.5 | 22 | 12 | 13 |
| FVG | 3W | 27.8 | 17.0 | 60.5 | 46.9 | 16.5 | 26 | 15 | – |
| FVG | 4W | 34.3 | 22.0 | 71.5 | 57.5 | 17.5 | 32 | 19 | – |

Note: ¹⁾ to order, add a «Z» at the end of the reference. The bend relief must be ordered separately (see pages 141 and 142 of the unipole/multipole catalog).

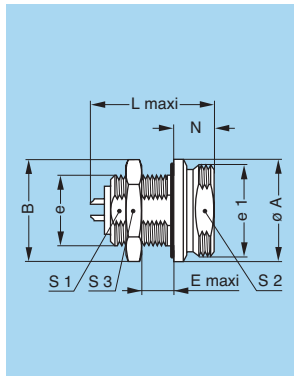
FVG Straight plug, key (G) or keys (A, B or L), cable collet with special coupling nut ¹⁾



| Reference | | Dimensions (mm) | | | | | | |
|------------|-----------|-----------------|-----|------|------|------|----|----|
| Model | Series | A | B | L | M | N | S3 | S4 |
| FVG | 0W | 17 | 8.9 | 36.0 | 29.8 | 13.5 | 8 | 8 |

Note: ¹⁾ to order, add a «Y» at the end of the reference.

EVG Fixed socket, nut fixing, key (G) or keys (A, B or L)

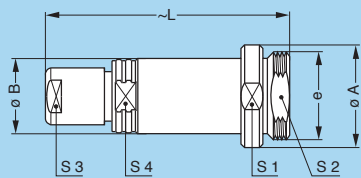
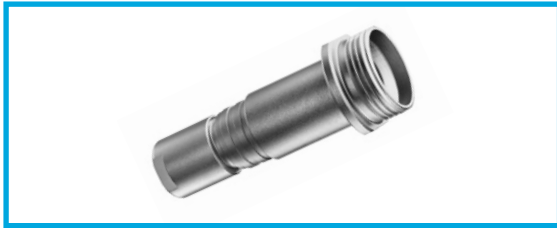


| Reference | | Dimensions (mm) | | | | | | | | | |
|------------|-----------|-----------------|------|---------|---------|------|------|------|------|------|----|
| Model | Series | A | B | e | e1 | E | L | N | S1 | S2 | S3 |
| EVG | 0W | 16.2 | 16.0 | M12x1.0 | M14x1.0 | 4.0 | 21.7 | 8.0 | 10.5 | 12.5 | 14 |
| EVG | 1W | 18.3 | 19.5 | M14x1.0 | M16x1.0 | 8.0 | 27.0 | 8.0 | 12.5 | 14.5 | 17 |
| EVG | 2W | 22.5 | 21.8 | M16x1.0 | M20x1.0 | 9.0 | 30.7 | 9.0 | 14.5 | 18.5 | 19 |
| EVG | 3W | 26.6 | 27.0 | M20x1.0 | M24x1.0 | 13.0 | 36.2 | 9.5 | 18.5 | 22.5 | 24 |
| EVG | 4W | 32.8 | 34.2 | M24x1.0 | M30x1.0 | 15.0 | 40.2 | 9.5 | 22.5 | 28.5 | 30 |
| EVG | 5W | 48.0 | 53.0 | M38x1.5 | M45x1.5 | 18.0 | 47.5 | 12.5 | 35.5 | 42.5 | 46 |

Panel cut-out (page 18)

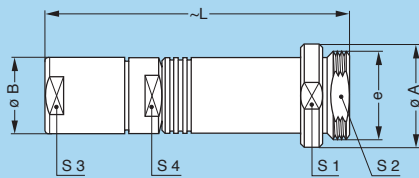


PVG Free socket, key (G) or keys (A, B or L), cable collet



| Reference | | Dimensions (mm) | | | | | | | |
|-----------|--------|-----------------|------|---------|-------|----|------|----|----|
| Model | Series | A | B | e | L | S1 | S2 | S3 | S4 |
| PVG | 0W | – | 8.9 | M14x1.0 | 37.9 | – | 13.5 | 8 | 8 |
| PVG | 1W | 18.3 | 11.0 | M16x1.0 | 45.0 | 16 | 14.5 | 9 | – |
| PVG | 2W | 22.5 | 14.0 | M20x1.0 | 54.0 | 20 | 18.5 | 12 | – |
| PVG | 3W | 26.6 | 17.0 | M24x1.0 | 65.0 | 24 | 22.5 | 15 | – |
| PVG | 4W | 32.8 | 22.0 | M30x1.0 | 75.5 | 30 | 28.5 | 19 | – |
| PVG | 5W | 48.0 | 34.0 | M45X1.5 | 103.0 | 45 | 42.5 | 30 | – |

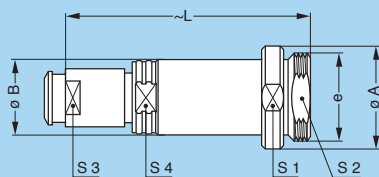
PVG Free socket, key (G) or keys (A, B or L), oversize cable collet ¹⁾



| Reference | | Dimensions (mm) | | | | | | | |
|-----------|--------|-----------------|------|---------|-------|----|------|----|----|
| Model | Series | A | B | e | L | S1 | S2 | S3 | S4 |
| PVG | 1W | 18.3 | 14.0 | M16x1.0 | 58.0 | 16 | 14.5 | 12 | 12 |
| PVG | 2W | 22.5 | 17.0 | M20x1.0 | 67.0 | 20 | 18.5 | 15 | 15 |
| PVG | 3W | 26.6 | 22.0 | M24x1.0 | 84.0 | 24 | 22.5 | 19 | 19 |
| PVG | 4W | 32.8 | 34.0 | M30x1.0 | 109.5 | 30 | 28.5 | 32 | 30 |

Note: ¹⁾ correspond to K type of collet, the fitting of oversize collets onto this model allows them to be fitted to the cables that can be accommodated by the next housing size up (see page 14).

PVG Free socket, key (G) or keys (A, B or L), cable collet and nut for fitting a bend relief ¹⁾



| Reference | | Dimensions (mm) | | | | | | | |
|-----------|--------|-----------------|------|---------|------|----|------|----|----|
| Model | Series | A | B | e | L | S1 | S2 | S3 | S4 |
| PVG | 0W | – | 8.9 | M14x1.0 | 37.9 | – | 13.5 | 7 | 8 |
| PVG | 1W | 18.3 | 11.0 | M16x1.0 | 45.0 | 16 | 14.5 | 9 | – |
| PVG | 2W | 22.5 | 14.0 | M20x1.0 | 54.0 | 20 | 18.5 | 12 | – |
| PVG | 3W | 26.6 | 17.0 | M24x1.0 | 64.0 | 24 | 22.5 | 15 | – |
| PVG | 4W | 32.8 | 22.0 | M30x1.0 | 75.5 | 30 | 28.5 | 19 | – |

Note: ¹⁾ to order, add a «Z» at the end of the reference. The bend relief must be ordered separately (see pages 141 and 142 of the unipole/multipole catalog).

Vacuumtight models

HRG and HVG socket models allow the device on which they are fitted to reach a protection index of IP68 as per IEC 60529. They are fully compatible with plugs of the same series and are widely used for portable radios, military, laboratory equipment, aviation, etc. These models are made in a vacuumtight version. They are identified by an additional letter «V» at the end of the part number (certificate on request).

Epoxy resin is used to seal these models and we are offering 2 different resins:

- a) Epoxy Araldite®, for general purpose use, identify with letter «P»
- b) Epoxy Stycast®, for oil and petrol industry, identify with the letter «S».

Part number example:

Vacuumtight socket potted with Araldite® epoxy: HVG.0W.304.CLLPV

Vacuumtight socket potted with Stycast® epoxy: HVG.0W.304.CLLSV

Technical Characteristics

Mechanical and Climatical

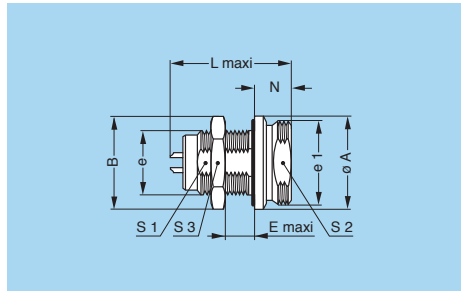
| Characteristics | Value | Standard |
|---------------------------------|---|----------------------|
| Endurance | > 1000 cycles | IEC 60512-5 test 9a |
| Humidity | up to 95% at 60° C | |
| Temperature range (0W-1W) | - 20° C/+100° C | |
| Temperature range (2W to 5W) | - 20° C/+80° C | |
| Salt spray corrosion test | > 144h | IEC 60512-6 test 11f |
| Climatical category | 20/80/21 | IEC 60068-1 |
| Leakage rate (He) ¹⁾ | < 10 ⁻⁷ mbar.l.s ⁻¹ | IEC 60512-7 test 14b |

| Characteristics | Value | Standard |
|--|-------|------------------------------|
| Maximum operating pressure ²⁾ | 0W | 60 bars IEC 60512-7 test 14d |
| | 1W | 60 bars IEC 60512-7 test 14d |
| | 2W | 40 bars IEC 60512-7 test 14d |
| | 3W | 30 bars IEC 60512-7 test 14d |
| | 4W | 15 bars IEC 60512-7 test 14d |
| | 5W | 5 bars IEC 60512-7 test 14d |

Note:¹⁾ For vacuumtight models.

²⁾ this value corresponds to the maximum allowed pressure difference for the assembled socket if used in the unmated condition.

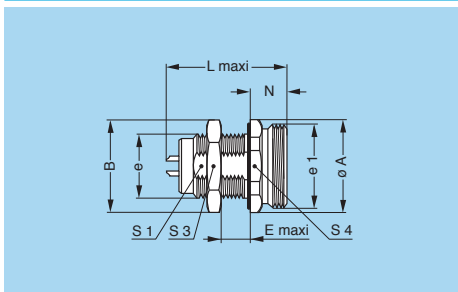
HVG Fixed socket, nut fixing, key (G) or keys (A, B or L), vacuumtight



| Reference | | Dimensions (mm) | | | | | | | | | |
|-----------|--------|-----------------|------|---------|---------|------|------|------|------|------|----|
| Model | Series | A | B | e | e1 | E | L | N | S1 | S2 | S3 |
| HVG | 0W | 16.2 | 16.0 | M12x1.0 | M14x1.0 | 5.5 | 21.7 | 8.0 | 10.5 | 12.5 | 14 |
| HVG | 1W | 18.3 | 19.5 | M14x1.0 | M16x1.0 | 11.5 | 27.0 | 8.0 | 12.5 | 14.5 | 17 |
| HVG | 2W | 22.5 | 21.8 | M16x1.0 | M20x1.0 | 12.0 | 30.7 | 9.0 | 14.5 | 18.5 | 19 |
| HVG | 3W | 26.6 | 27.0 | M20x1.0 | M24x1.0 | 17.5 | 42.2 | 9.5 | 18.5 | 22.5 | 24 |
| HVG | 4W | 32.8 | 34.2 | M24x1.0 | M30x1.0 | 20.0 | 48.2 | 9.5 | 22.5 | 28.5 | 30 |
| HVG | 5W | 48.0 | 53.0 | M38x1.5 | M45x1.5 | 22.0 | 55.6 | 12.5 | 35.5 | 42.5 | 46 |

Panel cut-out (page 18)

HRG Fixed socket, nut fixing, key (G) or keys (A, B or L), hexagonal flange, vacuumtight



| Reference | | Dimensions (mm) | | | | | | | | | |
|------------|-----------|-----------------|----|---------|---------|-----|------|---|------|----|----|
| Model | Series | A | B | e | e1 | E | L | N | S1 | S3 | S4 |
| HRG | OW | 18 | 16 | M12x1.0 | M14x1.0 | 5.5 | 21.7 | 8 | 10.5 | 14 | 17 |

Panel cut-out (page 18)

Insert configuration

Other like fibre optic or mixed are available, please consult us.

Multipole

| | Solder contacts | | Reference | Series | Contact ø (mm) | Contact type | | | | AWG | | | Solder contact | | Rated current (A) ¹⁾ |
|---|-----------------|--|-----------|--------|----------------|--------------|-----------------|------------------|---------------|---------------|-------|------|--|--|---------------------------------|
| | | | | | | Solder | Crimp | Print (straight) | Print (elbow) | Solder (max.) | Crimp | | Test voltage (kV rms) ¹⁾ Contact-contact | Test voltage (kV rms) ¹⁾ Contact-shell | |
| | | | | | | | | | | | min. | max. | | | |
| 2 | | | 302 | 0W | 0.9 | ● | ● | ● | ● | 20 | 32 | 20 | 1.00 | 1.05 | 10.0 ²⁾ |
| | | | | 1W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.50 | 1.35 | 15.0 ³⁾ |
| | | | | 2W | 2.0 | ● | ● | ● | ● | 16 | 18 | 12 | 2.10 | 1.75 | 25.0 ³⁾ |
| | | | | 3W | 3.0 | ● | ● | ○ | | 12 | 14 | 10 | 2.10 | 1.55 | 35.0 |
| | | | | 5W | 6.0 | ● | | | | 8 | | | 3.60 | 2.95 | 50.0 |
| 3 | | | 303 | 0W | 0.9 | ● | ● | ● | ● | 20 | 32 | 20 | 1.20 | 0.90 | 8.0 ²⁾ |
| | | | | 1W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.30 | 1.55 | 12.0 |
| | | | | 2W | 1.6 | ● | ● | ● | ● | 18 | 22 | 14 | 2.40 | 1.85 | 17.0 ³⁾ |
| | | | | 3W | 2.0 | ● | ● | ● | ○ | 16 | 18 | 12 | 1.90 | 1.50 | 25.0 |
| 4 | | | 304 | 0W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.85 | 0.70 | 7.0 ²⁾ |
| | | | | 1W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.35 | 1.45 | 10.0 ²⁾ |
| | | | | 2W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.85 | 1.85 | 15.0 ³⁾ |
| | | | | 3W | 2.0 | ● | ● | ● | ● | 16 | 18 | 12 | 1.45 | 1.25 | 19.0 |
| | | | | 4W | 3.0 | ● | ● | ○ | | 12 | 14 | 10 | 2.10 | 1.50 | 30.0 |
| | | | | 5W | 4.0 | ● | ● | ○ | | 10 | 12 | 10 | 2.95 | 2.65 | 35.0 |
| 5 | | | 305 | 0W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 1.00 | 0.70 | 6.5 ²⁾ |
| | | | | 1W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.25 | 1.15 | 9.0 ²⁾ |
| | | | | 2W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.75 | 1.60 | 14.0 ³⁾ |
| | | | | 3W | 1.6 | ● | ● | ● | ○ | 18 | 22 | 14 | 1.90 | 1.25 | 19.0 |
| 6 | | | 306 | 0W | 0.5 | ● | ○ ⁴⁾ | ● | ● | 28 | 32 | 28 | 0.85 | 0.65 | 2.5 |
| | | | | 1W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 1.05 | 1.20 | 7.0 ²⁾ |
| | | | | | | | | | | | | | | | |

- First choice alternative
- Special order alternative

Note: ¹⁾ see calculation method, caution and suggested standard.
²⁾ rated current = 6A for socket with elbow (90°) contact for printed circuit.
³⁾ rated current = 12A for socket with elbow (90°) contact for printed circuit.
⁴⁾ available only for connectors fitted with male contacts.



Multipole

| | Solder contacts | | Reference | Series | Contact ø (mm) | Contact type | | | | AWG | | | Solder contact | | Rated current (A) ¹⁾ |
|---|-----------------|------|-----------|--------|----------------|--------------|-----------------|------------------|---------------|---------------|----------|----------|--|--|---------------------------------|
| | Crimp contacts | | | | | Solder | Crimp | Print (straight) | Print (elbow) | Solder (max.) | Crimp | | Test voltage (kV rms) ¹⁾ Contact-contact | Test voltage (kV rms) ¹⁾ Contact-shell | |
| | min. | max. | | | | | | | | | | | | | |
| 6 | | | 306 | 2W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.35 | 1.45 | 12.0 |
| | | | | 3W | 1.6 | ● | ● | ● | ○ | 18 | 22 | 14 | 1.60 | 1.15 | 17.0 |
| | | | | 4W | 2.0 | ● | ● | ○ | | 16 | 18 | 12 | 2.00 | 1.75 | 24.0 |
| 7 | | | 307 | 0W | 0.5 | ● | ○ ³⁾ | ● | ● | 28 | 32 | 28 | 0.80 | 0.70 | 2.5 |
| | | | | 1W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.95 | 1.05 | 7.0 ²⁾ |
| | | | | 2W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.75 | 1.60 | 11.0 |
| | | | | 3W | 1.6 | ● | ● | ● | ○ | 18 | 22 | 14 | 1.70 | 1.25 | 15.0 |
| | | | | 4W | 2.0 | ● | ● | ○ | | 16 | 18 | 12 | 2.00 | 1.80 | 20.0 |
| 8 | | | 308 | 1W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.95 | 1.15 | 5.0 |
| | | | | | | | | | | | | | | | |
| 8 | | | 308 | 2W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.50 | 1.25 | 10.0 ²⁾ |
| | | | | 3W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.65 | 1.15 | 13.0 |
| 9 | | | 309 | 3W | 8x1.3 1x2.0 | ● | ● | ● | | 20 16 | 26 18 | 28 12 | 1.35 | 1.05 | 6.0 15.0 |
| | | | | | | | | | | | | | | | |
| 9 | | | 309 | 0W | 0.5 | ● | ○ ³⁾ | ● | ● | 28 | 32 | 28 | 0.60 | 0.50 | 2.0 |
| | | | | | | | | | | | | | | | |

- First choice alternative
- Special order alternative

Note: ¹⁾ see calculation method, caution and suggested standard.
²⁾ rated current = 6A for socket with elbow (90°) contact for printed circuit.
³⁾ available only for connectors fitted with male contacts.

Multipole

| | Solder contacts | | Reference | Series | Contact ø (mm) | Contact type | | | | AWG | | | Solder contact | | Rated current (A) ¹⁾ |
|----|-----------------|------|-----------|--------|----------------|--------------|-----------------|------------------|---------------|---------------|-------|----|--|--|---------------------------------|
| | Crimp contacts | | | | | Solder | Crimp | Print (straight) | Print (elbow) | Solder (max.) | Crimp | | Test voltage (kV rms) ¹⁾ Contact-contact | Test voltage (kV rms) ¹⁾ Contact-shell | |
| | min. | max. | | | | | | | | | | | | | |
| 10 | | | 310 | 1W | 0.5 | ● | ○ ³⁾ | ● | ● | 28 | 32 | 28 | 0.90 | 1.50 | 2.5 |
| | | | | 2W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.45 | 1.30 | 8.0 ²⁾ |
| | | | | 3W | 1.3 | ● | ● | ● | ● | 20 | 26 | 18 | 1.25 | 0.90 | 12.0 |
| | | | | 4W | 1.6 | ● | ● | ○ | ○ | 18 | 22 | 14 | 1.85 | 1.30 | 17.0 |
| | | | | 5W | 3.0 | ● | ● | ○ | ○ | 12 | 14 | 10 | 2.35 | 2.30 | 20.0 |
| 12 | | | 312 | 2W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 1.25 | 1.35 | 7.0 ²⁾ |
| | | | | 3W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.45 | 1.00 | 9.0 |
| | | | | 4W | 1.3 | ● | ● | ○ | ○ | 20 | 26 | 18 | 1.45 | 1.60 | 12.0 |
| 14 | | | 314 | 1W | 0.5 | ● | ○ ³⁾ | ● | ● | 28 | 32 | 28 | 0.80 | 1.20 | 2.0 |
| | | | | 2W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 1.15 | 1.35 | 6.5 ²⁾ |
| | | | | 3W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.20 | 1.20 | 9.0 ²⁾ |
| | | | | 5W | 2.0 | ● | ● | ○ | ○ | 16 | 18 | 12 | 2.10 | 2.00 | 18.0 |
| 16 | | | 316 | 1W | 0.5 | ● | ○ ³⁾ | ● | ○ | 28 | 32 | 28 | 0.80 | 1.25 | 1.5 |
| | | | | | | | | | | | | | | | |
| 16 | | | 316 | 2W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.95 | 1.25 | 6.0 |
| | | | | 3W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.20 | 0.85 | 8.0 |
| | | | | 4W | 0.9 | ● | ● | ● | ○ | 22 | 32 | 20 | 1.35 | 1.50 | 10.0 |
| | | | | 5W | 2.0 | ● | ● | ○ | ○ | 16 | 18 | 12 | 1.85 | 1.95 | 12.0 |
| 18 | | | 318 | 2W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.85 | 1.20 | 5.5 |
| | | | | 3W | 0.9 | ● | ● | ● | ● | 22 | 32 | 20 | 1.20 | 1.05 | 7.0 |
| | | | | | | | | | | | | | | | |

- First choice alternative
- Special order alternative

Note: ¹⁾ see calculation method, caution and suggested standard.
²⁾ rated current = 6A for socket with elbow (90°) contact for printed circuit.
³⁾ available only for connectors fitted with male contacts.



Multipole

| | Solder contacts | | Reference | Series | Contact ϕ (mm) | Contact type | | | | AWG | | Solder contact | | Rated current (A) ¹⁾ | |
|----|-----------------|--|-----------|--------|---------------------|--------------|-------|------------------|---------------|---------------|-------|----------------|--|---------------------------------|--|
| | Crimp contacts | | | | | Solder | Crimp | Print (straight) | Print (elbow) | Solder (max.) | Crimp | | Test voltage (kV rms) ¹⁾ Contact-contact | | Test voltage (kV rms) ¹⁾ Contact-shell |
| | | | | | | | | | | | min. | max. | | | |
| 19 | | | 319 | 2W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.95 | 1.25 | 5.0 |
| | | | | | | | | | | | | | | | |
| 20 | | | 320 | 3W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 1.00 | 0.90 | 6.0 |
| | | | | | | | | | | | | | | | |
| 20 | | | 320 | 4W | 0.9 | ● | ● | ● | ○ | 22 | 32 | 20 | 1.35 | 1.00 | 8.0 |
| | | | | | 5W | 1.6 | ● | ● | ○ | ○ | 18 | 22 | 14 | 1.90 | 1.70 |
| 22 | | | 322 | 3W | 0.7 | ● | ● | ● | ○ | 22 | 32 | 22 | 1.00 | 0.90 | 5.5 |
| | | | | | | | | | | | | | | | |
| 24 | | | 324 | 3W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.95 | 0.80 | 4.0 |
| | | | | | 4W | 0.9 | ● | ● | ● | ○ | 22 | 32 | 20 | 1.20 | 1.45 |
| 26 | | | 326 | 2W | 0.5 | ● | ○ | ● | ○ | 28 | | | 0.95 | 1.30 | 2.0 |
| | | | | | 3W | 0.7 | ● | ● | ● | ○ | 22 | 32 | 22 | 0.95 | 0.70 |

- First choice alternative
- Special order alternative

Note: ¹⁾ see calculation method, caution and suggested standard.

Multipole

| | Solder contacts | | Reference | Series | Contact ø (mm) | Contact type | | | | AWG | | | Solder contact | | Rated current (A) ¹⁾ |
|----|-----------------|--|-----------|--------|----------------|--------------|-------|------------------|---------------|---------------|-------|------|--|--|---------------------------------|
| | Crimp contacts | | | | | Solder | Crimp | Print (straight) | Print (elbow) | Solder (max.) | Crimp | | Test voltage (kV rms) ¹⁾ Contact-contact | Test voltage (kV rms) ¹⁾ Contact-shell | |
| | | | | | | | | | | | min. | max. | | | |
| 30 | | | 330 | 3W | 0.7 | ● | ● | ● | ● | 22 | 32 | 22 | 0.80 | 0.70 | 3.5 |
| | | | | 4W | 0.9 | ● | ● | ● | | 22 | 32 | 20 | 0.95 | 0.85 | 5.0 |
| | | | | 5W | 1.3 | ● | ● | ○ | | 20 | 26 | 18 | 1.45 | 1.60 | 8.0 |
| 32 | | | 332 | 2W | 0.5 | ● | | ● | ○ | 28 | | | 0.80 | 1.20 | 1.5 |
| | | | | 3W | 0.7 | ● | ○ | ● | ○ | 22 | 32 | 22 | 0.75 | 0.70 | 3.0 |
| 40 | | | 340 | 4W | 0.7 | ● | ● | ● | | 22 | 32 | 22 | 0.90 | 0.90 | 2.0 |
| | | | | 5W | 1.3 | ● | ● | ○ | | 20 | 26 | 18 | 1.30 | 1.45 | 7.0 |
| 48 | | | 348 | 4W | 0.7 | ● | ● | ● | | 22 | 32 | 22 | 0.70 | 0.70 | 1.5 |
| | | | | 5W | 1.3 | ● | ● | ● | | 20 | 26 | 18 | 1.20 | 1.10 | 6.0 |
| 50 | | | 350 | 5W | 0.9 | ● | ● | ● | | 22 | 32 | 20 | 1.30 | 1.60 | 6.0 |

● First choice alternative
○ Special order alternative

Note: ¹⁾ see calculation method, caution and suggested standard.

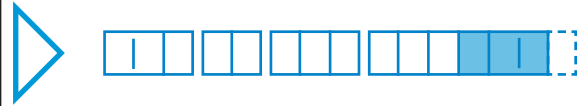


Multipole

| | Solder contacts | | Crimp contacts | | Reference | Series | Contact ϕ (mm) | Contact type | | | | AWG | | Solder contact | | Rated current (A) ¹⁾ | |
|----|-----------------|--|----------------|----|-----------|--------|---------------------|--------------|-------|------------------|---------------|---------------|-------|----------------|--|---------------------------------|--|
| | | | | | | | | Solder | Crimp | Print (straight) | Print (elbow) | Solder (max.) | Crimp | | Test voltage (kV rms) ¹⁾ Contact-contact | | Test voltage (kV rms) ¹⁾ Contact-shell |
| | | | | | | | | | | | | | min. | max. | | | |
| 54 | | | 354 | 5W | 0.9 | ● | ● | ● | | 22 | 32 | 20 | 1.15 | 1.55 | 5.0 | | |
| | | | | | | | | | | | | | | | | | |
| 64 | | | 364 | 5W | 0.9 | ● | ● | ● | | 22 | 32 | 20 | 1.30 | 1.55 | 3.0 | | |
| | | | | | | | | | | | | | | | | | |

- First choice alternative
- Special order alternative

Note: ¹⁾ see calculation method, caution and suggested standard.



Collets

C and K type collets

0W, 1W, 2W and 3W series



| | Reference | | Collet \varnothing | | Cable \varnothing | |
|-----------|-----------|------|----------------------|-----------------|---------------------|------|
| | Type | Code | $\varnothing A$ | $\varnothing B$ | max. | min. |
| 0W | C | 30 | 3.1 | – | 3.0 | 2.6 |
| | C | 35 | 4.2 | 4.2 | 3.5 | 3.1 |
| | C | 40 | 4.2 | 4.2 | 4.0 | 3.6 |
| | C | 45 | 5.2 | 5.2 | 4.5 | 4.1 |
| | C | 50 | 5.2 | 5.2 | 5.0 | 4.6 |
| 1W | C | 30 | 3.2 | – | 3.0 | 2.6 |
| | C | 35 | 4.2 | – | 3.5 | 3.1 |
| | C | 40 | 4.2 | – | 4.0 | 3.6 |
| | C | 45 | 5.2 | – | 4.5 | 4.1 |
| | C | 50 | 5.2 | – | 5.0 | 4.6 |
| | C | 55 | 6.2 | 6.2 | 5.5 | 5.1 |
| | C | 60 | 6.2 | 6.2 | 6.0 | 5.6 |
| | C | 65 | 7.2 | 6.7 | 6.5 | 6.1 |
| | K | 70 | 7.2 | – | 7.0 | 6.6 |
| | K | 75 | 8.2 | 8.2 | 7.5 | 7.1 |
| | K | 80 | 8.2 | 8.2 | 8.0 | 7.6 |
| | K | 85 | 9.2 | 8.6 | 8.5 | 8.1 |
| | 2W | C | 30 | 3.2 | – | 3.0 |
| C | | 35 | 4.2 | – | 3.5 | 3.1 |
| C | | 40 | 4.2 | – | 4.0 | 3.6 |
| C | | 45 | 5.2 | – | 4.5 | 4.1 |
| C | | 50 | 5.2 | – | 5.0 | 4.6 |
| C | | 55 | 6.2 | – | 5.5 | 5.1 |
| C | | 60 | 6.2 | – | 6.0 | 5.6 |
| C | | 65 | 7.2 | – | 6.5 | 6.1 |
| C | | 70 | 7.2 | – | 7.0 | 6.6 |
| C | | 75 | 8.2 | 8.2 | 7.5 | 7.1 |
| C | | 80 | 8.2 | 8.2 | 8.0 | 7.6 |
| C | | 85 | 9.2 | 8.6 | 8.5 | 8.1 |
| K | | 90 | 9.2 | – | 9.0 | 8.6 |
| K | | 95 | 10.2 | 10.2 | 9.5 | 9.1 |
| K | | 10 | 10.2 | 10.2 | 10.0 | 9.6 |
| K | | 11 | 11.2 | 10.6 | 10.5 | 10.1 |

| | Reference | | Collet \varnothing | | Cable \varnothing | |
|-----------|-----------|------|----------------------|-----------------|---------------------|------|
| | Type | Code | $\varnothing A$ | $\varnothing B$ | max. | min. |
| 3W | C | 30 | 3.2 | – | 3.0 | 2.6 |
| | C | 35 | 4.2 | – | 3.5 | 3.1 |
| | C | 40 | 4.2 | – | 4.0 | 3.6 |
| | C | 45 | 5.2 | – | 4.5 | 4.1 |
| | C | 50 | 5.2 | – | 5.0 | 4.6 |
| | C | 55 | 6.2 | – | 5.5 | 5.1 |
| | C | 60 | 6.2 | – | 6.0 | 5.6 |
| | C | 65 | 7.2 | – | 6.5 | 6.1 |
| | C | 70 | 7.2 | – | 7.0 | 6.6 |
| | C | 75 | 8.2 | – | 7.5 | 7.1 |
| | C | 80 | 8.2 | – | 8.0 | 7.6 |
| | C | 85 | 9.2 | – | 8.5 | 8.1 |
| | C | 90 | 9.2 | – | 9.0 | 8.6 |
| | C | 95 | 10.2 | 10.2 | 9.5 | 9.1 |
| | C | 10 | 10.2 | 10.2 | 10.0 | 9.6 |
| C | 11 | 11.2 | 10.6 | 10.5 | 10.1 | |
| K | 11 | 12.3 | – | 12.0 | 10.6 | |
| K | 12 | 13.8 | 13.8 | 12.8 | 12.1 | |
| K | 13 | 13.8 | 13.8 | 13.5 | 12.9 | |
| K | 14 | 15.3 | 15.3 | 14.0 | 13.6 | |
| K | 15 | 15.3 | 15.3 | 15.0 | 14.1 | |

All dimensions are in millimetres.



C and K type collets

4W and 5W series

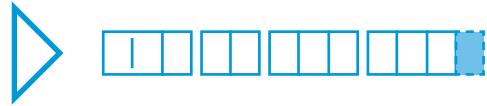


4W

| Reference | | Collet \varnothing | | Cable \varnothing | |
|-----------|------|----------------------|-----------------|---------------------|------|
| Type | Code | $\varnothing A$ | $\varnothing B$ | max. | min. |
| C | 50 | 6.3 | – | 5.0 | 4.8 |
| C | 55 | 6.3 | – | 5.5 | 5.1 |
| C | 60 | 6.3 | – | 6.0 | 5.6 |
| C | 65 | 7.3 | – | 6.5 | 6.1 |
| C | 70 | 7.3 | – | 7.0 | 6.6 |
| C | 75 | 8.3 | – | 7.5 | 7.1 |
| C | 80 | 8.3 | – | 8.0 | 7.6 |
| C | 85 | 9.3 | – | 8.5 | 8.1 |
| C | 90 | 9.3 | – | 9.0 | 8.6 |
| C | 95 | 10.8 | – | 9.5 | 9.1 |
| C | 10 | 10.8 | – | 10.5 | 9.6 |
| C | 11 | 12.3 | – | 12.0 | 10.6 |
| C | 12 | 13.8 | 13.8 | 12.8 | 12.1 |
| C | 13 | 13.8 | 13.8 | 13.5 | 12.9 |
| C | 14 | 15.3 | 15.3 | 14.0 | 13.6 |
| C | 15 | 15.3 | 15.3 | 15.0 | 14.1 |
| K | 16 | 17.8 | – | 16.5 | 15.6 |
| K | 17 | 17.8 | – | 17.5 | 16.6 |
| K | 18 | 19.8 | – | 18.5 | 17.6 |
| K | 19 | 19.8 | – | 19.5 | 18.6 |
| K | 20 | 21.8 | – | 20.5 | 19.6 |
| K | 21 | 21.8 | – | 21.5 | 20.6 |
| K | 22 | 23.8 | 23.8 | 22.5 | 21.6 |
| K | 23 | 23.8 | 23.8 | 23.5 | 22.6 |

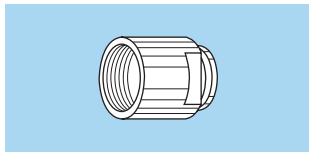
5W

| Reference | | Collet \varnothing | | Cable \varnothing | |
|-----------|------|----------------------|-----------------|---------------------|------|
| Type | Code | $\varnothing A$ | $\varnothing B$ | max. | min. |
| C | 10 | 11.8 | – | 10.5 | 9.6 |
| C | 11 | 11.8 | – | 11.5 | 10.6 |
| C | 12 | 13.8 | – | 12.5 | 11.6 |
| C | 13 | 13.8 | – | 13.5 | 12.6 |
| C | 14 | 15.8 | – | 14.5 | 13.6 |
| C | 15 | 15.8 | – | 15.5 | 14.6 |
| C | 16 | 17.8 | – | 16.5 | 15.6 |
| C | 17 | 17.8 | – | 17.5 | 16.6 |
| C | 18 | 19.8 | – | 18.5 | 17.6 |
| C | 19 | 19.8 | – | 19.5 | 18.6 |
| C | 20 | 21.8 | – | 20.5 | 19.6 |
| C | 21 | 21.8 | – | 21.5 | 20.6 |
| C | 22 | 23.8 | 23.8 | 22.5 | 21.6 |
| C | 23 | 23.8 | 23.8 | 23.5 | 22.6 |

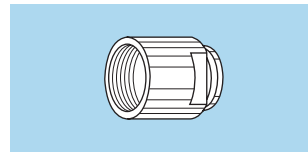
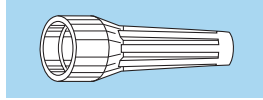


Variant

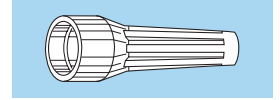
Bend relief for W series models with collet



Need to be ordered



Need to be ordered



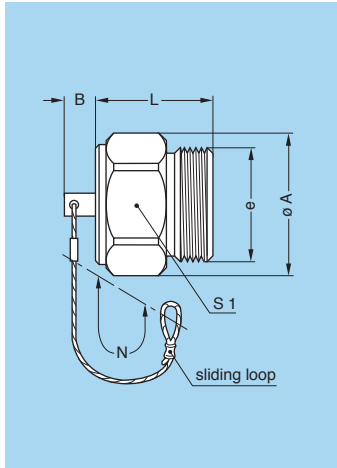
| | Ref. | Collet | | Need to be ordered separately |
|-----------|------|--------|----------|-------------------------------|
| | | Type | Code | |
| 0W | Z | C | 30 to 50 | GMA.0B.●●●●●● |
| 1W | Z | C | 30 to 65 | GMA.1B.●●●●●● |
| | | K | 70 to 85 | GMA.2B.●●●●●● |
| 2W | Z | C | 30 to 85 | GMA.2B.●●●●●● |
| | | K | 90 to 10 | GMA.3B.●●●●●● |

| | Ref. | Collet | | Need to be ordered separately |
|-----------|------|--------|----------|-------------------------------|
| | | Type | Code | |
| 3W | Z | C | 30 to 10 | GMA.3B.●●●●●● |
| | | K | 11 to 15 | GMA.4B.●●●●●● |
| 4W | Z | C | 50 to 15 | GMA.4B.●●●●●● |

Note: The bend relief must be ordered separately (see pages 141 and 142 of the unipole/multipole catalog). All dimensions are in millimetres.

Accessories

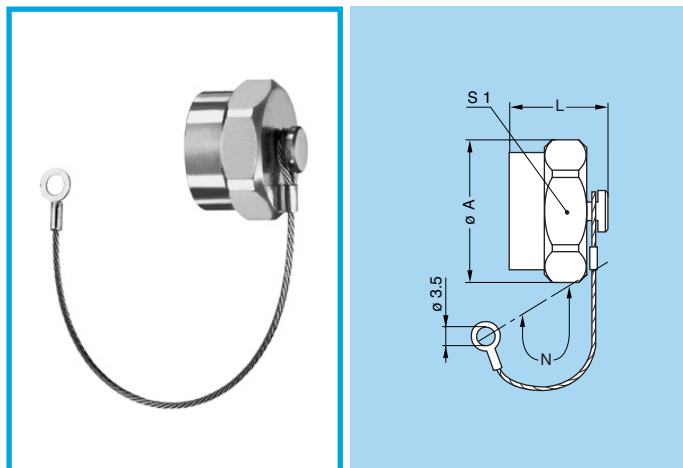
BFG Plug caps with key (G) (IP68 and resistance to hydrostatic pressure 30 bars)



| Part number | Series | Dimensions (mm) | | | | | |
|-----------------------|--------|-----------------|----|---------|------|-----|----|
| | | A | B | e | L | N | S1 |
| BFG.0W.100.●AZ | 0W | 17.2 | 6 | M14x1.0 | 12.5 | 85 | 16 |
| BFG.1W.100.●AZ | 1W | 19.3 | 6 | M16x1.0 | 15.5 | 85 | 18 |
| BFG.2W.100.●AZ | 2W | 23.5 | 6 | M20x1.0 | 17.5 | 85 | 22 |
| BFG.3W.100.●AZ | 3W | 27.8 | 6 | M24x1.0 | 22.0 | 120 | 26 |
| BFG.4W.100.●AZ | 4W | 34.3 | 10 | M30x1.0 | 22.5 | 120 | 32 |
| BFG.5W.100.●AZ | 5W | 50.0 | 10 | M45x1.5 | 27.0 | 120 | 47 |

- Body material: ● = N, nickel-plated brass (Ni 3µm)
● = S, stainless steel
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass

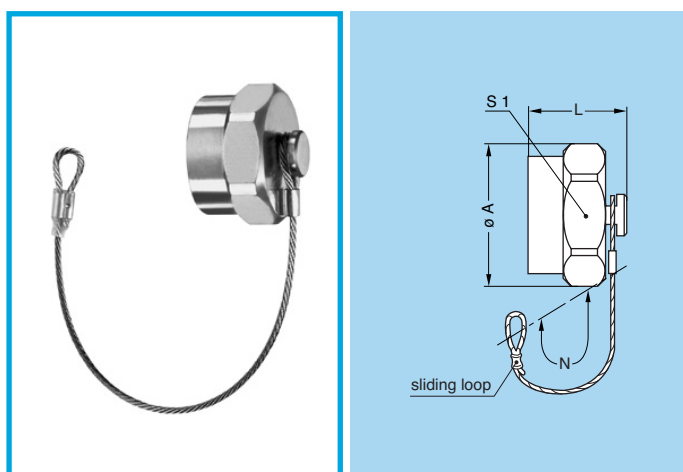
BRE Blanking caps for fixed sockets (This cap is only IP68 when installed)



| Part number | Series | Dimensions (mm) | | | |
|-----------------------|--------|-----------------|------|-----|----|
| | | A | L | N | S1 |
| BRE.0V.200.●AV | 0W | 17.2 | 13.7 | 85 | 16 |
| BRE.1V.200.●AV | 1W | 19.3 | 13.7 | 85 | 18 |
| BRE.2V.200.●AV | 2W | 23.5 | 14.7 | 85 | 22 |
| BRE.3V.200.●AV | 3W | 27.8 | 14.7 | 120 | 26 |
| BRE.4V.200.●AV | 4W | 34.3 | 14.7 | 120 | 32 |
| BRE.5V.200.●AV | 5W | 50.0 | 16.2 | 120 | 47 |

- Body material: ● = N, nickel-plated brass (Ni 3 μ m)
● = S, stainless steel
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass
- O-ring: FPM (Viton®)

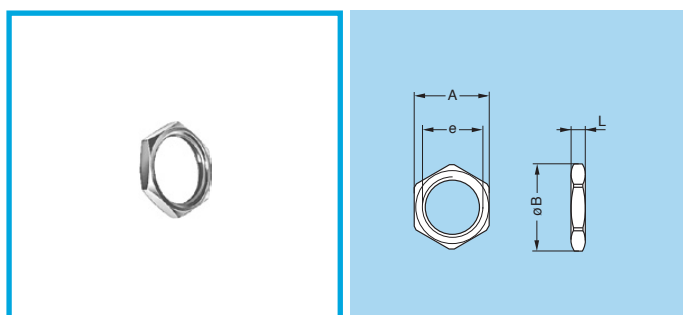
BRF Blanking caps for free sockets (This cap is only IP68 when installed)



| Part number | Series | Dimensions (mm) | | | |
|-----------------------|--------|-----------------|------|-----|----|
| | | A | L | N | S1 |
| BRF.0V.200.●AV | 0W | 17.2 | 13.7 | 85 | 16 |
| BRF.1V.200.●AV | 1W | 19.3 | 13.7 | 85 | 18 |
| BRF.2V.200.●AV | 2W | 23.5 | 14.7 | 85 | 22 |
| BRF.3V.200.●AV | 3W | 27.8 | 14.7 | 120 | 26 |
| BRF.4V.200.●AV | 4W | 34.3 | 14.7 | 120 | 32 |
| BRF.5V.200.●AV | 5W | 50.0 | 16.2 | 120 | 47 |

- Body material: ● = N, nickel-plated brass (Ni 3 μ m)
● = S, stainless steel
- Lanyard material: Stainless steel
- Crimp ferrule material: Nickel-plated brass
- O-ring: FPM (Viton®)

GEA Hexagonal nuts

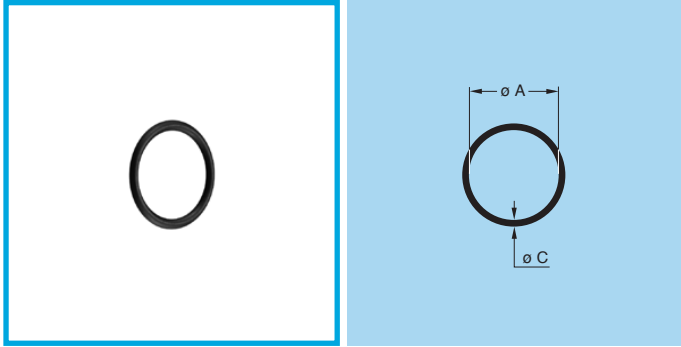


| Part number | Series | Dimensions (mm) | | | |
|----------------------|--------|-----------------|------|------------|-----|
| | | A | B | e | L |
| GEA.1S.240.LN | 0W | 14 | 15.8 | M12 x 1.00 | 2.5 |
| GEA.0E.240.LN | 1W | 17 | 19.2 | M14 x 1.00 | 2.5 |
| GEA.1E.240.LN | 2W | 19 | 21.5 | M16 x 1.00 | 3.0 |
| GEA.2E.240.LN | 3W | 24 | 27.0 | M20 x 1.00 | 4.0 |
| GEA.3E.240.LN | 4W | 30 | 34.0 | M24 x 1.00 | 5.0 |
| GEA.5W.240.LN | 5W | 46 | 53.0 | M38 x 1.50 | 8.0 |

- Material:
 - Nickel-plated brass (3 μ m)
 - Stainless steel

Note: to order this part separately, use the above part numbers. The last letters «LN» of the part number refer to the nut material and treatment. If a nut in stainless steel is desired, replace the last letters of the part number by «AZ».

GDA O-ring for plug

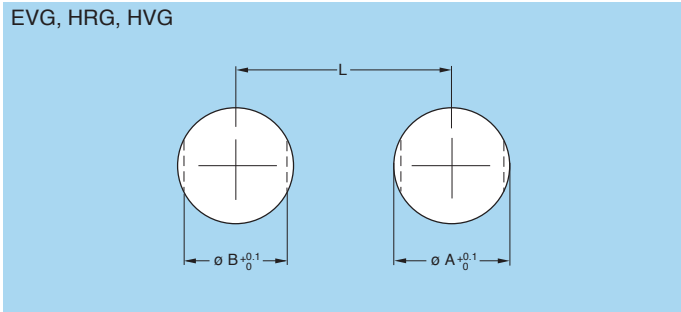


| Part number | Series | Dim. (mm) | |
|-------------------------|--------|-----------|------|
| | | A | C |
| GDA.99.070.100VK | 0W | 7.0 | 1.00 |
| GDA.99.090.125VK | 1W | 9.0 | 1.25 |
| GDA.99.120.150VK | 2W | 12.0 | 1.50 |
| GDA.99.150.150VK | 3W | 15.0 | 1.50 |
| GDA.99.190.200VK | 4W | 19.0 | 2.00 |
| GDA.99.310.250VK | 5W | 31.0 | 2.50 |

● Material: FPM (Viton®)

Panel cut-outs

Panel Cut-outs



| Series | Dimensions (mm) | | |
|-----------|-----------------|------|------|
| | A | B | L |
| 0W | 12.1 | 10.6 | 19.0 |
| 1W | 14.1 | 12.6 | 21.0 |
| 2W | 16.1 | 14.6 | 25.5 |
| 3W | 20.2 | 18.6 | 30.0 |
| 4W | 24.2 | 22.6 | 37.0 |
| 5W | 38.2 | 35.6 | 53.0 |

Mounting nuts torque

| Component | Torque (Nm) | | | | | |
|------------------------------|-------------|-----|----|----|----|----|
| | 0W | 1W | 2W | 3W | 4W | 5W |
| Collet nut for F●● and P●● | 0.7 | 0.8 | 2 | 3 | 5 | 8 |
| Mounting hex nut for sockets | 5 | 7 | 9 | 12 | 17 | 22 |
| Coupling nut | 0.7 | 0.8 | 2 | 3 | 5 | 8 |

1N = 0.102 kg

Cable assembly

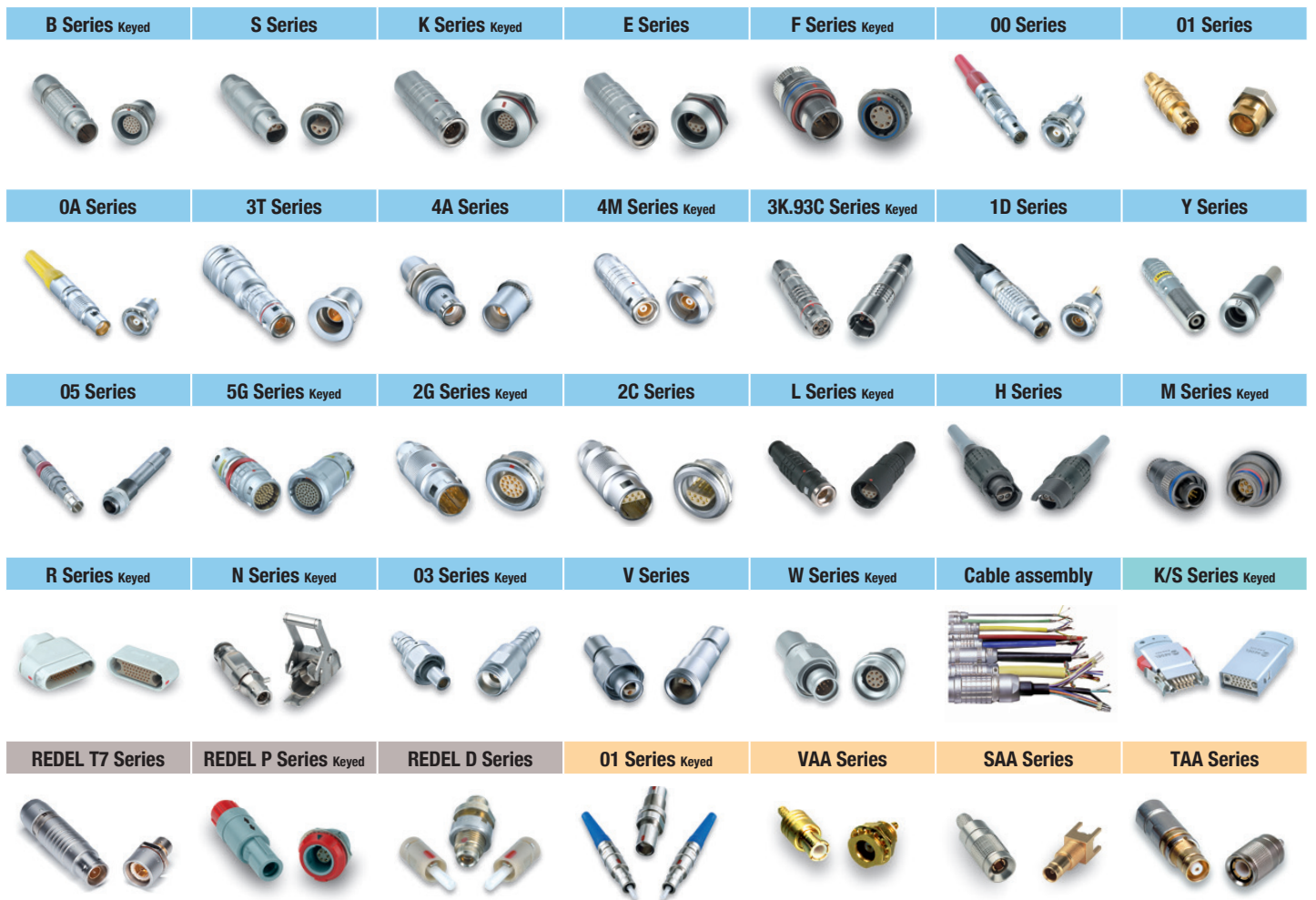
Assembly instructions

In order to ensure the sealing of plugs and sockets on the cable side, it is imperatively necessary to complete their assembly by realizing it with an adapted technique. We recommend the fitting of an heatshrink boot with inner melting coating of type ATUM (manufactured by the RAYCHEM company) or similar.

This heatshrink boot is not provided with the connector. Please consult us.

LEMO complete product range

| | B | S | K | E | F | 00 | 01 | 0A | 3T | 4A | 4M | 3K.93C | 1D | Y | 05 | 5G | 2G | 2C | L | H | R | N | 03 | V | W | U | T7 | P | D | K/S | 01 | DIN | |
|--------------------|---|---|---|---|---|----|----|----|----|----|----|--------|----|---|----|----|----|----|---|---|---|---|----|---|---|---|----|---|---|-----|----|-----|--|
| Unipole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multipole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coaxial 50 Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coaxial 75 Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multi Coaxial | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Coax + LV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Triaxial 50 Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Triaxial 75 Ω | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Triax + LV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quadrax | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| High Voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multi High Voltage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed HV + LV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibre Optic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multi Fibre Optic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed FO + LV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thermocouple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fluidic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multi Fluidic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed Fluidic + LV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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