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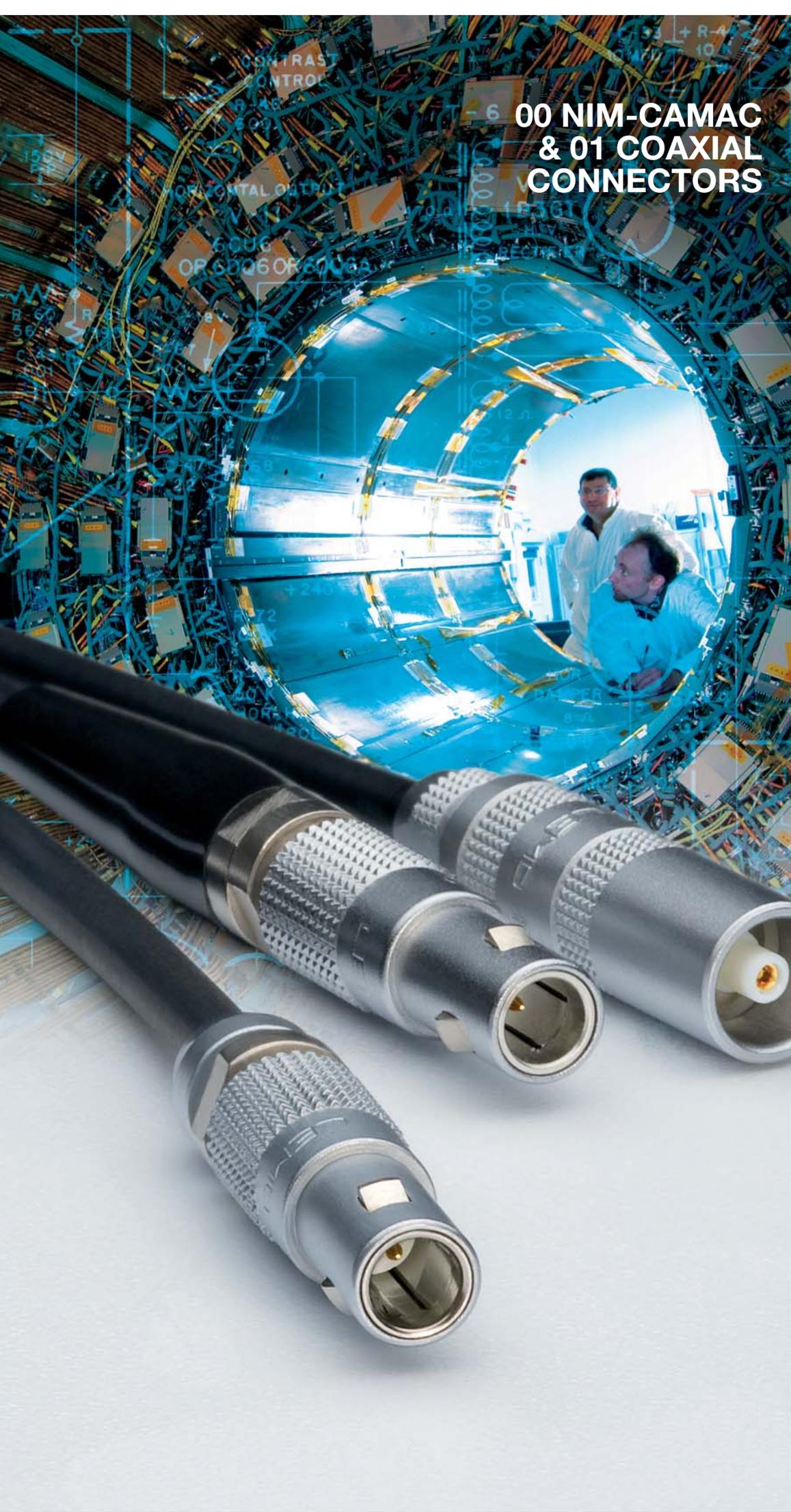
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00 NIM-CAMAC & 01 COAXIAL CONNECTORS

00
&
01
SERIES



LEMO coaxial 00 and 01 Series (50 Ω)

Fundamental research in particle physics as practised within CERN and other nuclear research establishments requires more and more complex equipment of high performance in order to achieve the objectives. The needs of such research contribute to the development of leading products for the whole of industry. For many years LEMO has participated in this evolution. This has resulted in a range of miniature coaxial connectors (50 Ω) with a push-pull self-latching system, the LEMO 00.250 series. These connectors now form the basis of the NIM-CAMAC CD/N 549 standard.

The plugs and sockets of the 01 series are amongst the smallest available 50 Ω coaxial connectors with a self-latching intermating capability. In spite of their small size and light weight, their technical characteristics remain excellent. Available in a wide range of housing configurations, they are especially useful when connecting onto printed circuit boards.

The LEMO 00 series and 01 are now used in many areas such as: telecommunications, sensors, medical equipment, space research, etc...

The program covered in this catalog now includes more than 50 models suitable for many cable types.

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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 75'000 connectors

The modular design of the LEMO range provides over 75'000 connectors from miniature \varnothing 3 mm to \varnothing 50 mm, capable of handling cable diameters up to 30 mm and for up to 106 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

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.

The LEMO self-latching system allows the connector to be mated by simply pushing the plug axially into the socket.

F_v : average latching force

| | Series | |
|-------|--------|----|
| Force | 00 | 01 |
| F_v | 9N | 5N |

Once firmly latched, connection cannot be broken by pulling on the cable or any other component part other than the outer release sleeve.

F_a : average pull force with axial pull on the collet nut

| | Series | |
|-------|--------|------|
| Force | 00 | 01 |
| F_a | 120N | 110N |

When required, the connector is disengaged by a single axial pull on the outer release sleeve. This first disengages the latches and then withdraws the plug from the socket.

F_d : average unmating force with axial pull on the outer release sleeve.

| | Series | |
|-------|--------|----|
| Force | 00 | 01 |
| F_d | 7N | 6N |

7N = 0,102 kg.

Force measured according to the standard IEC 60512- test

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.**

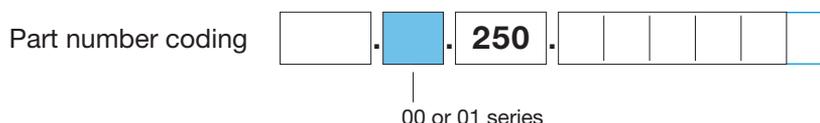
RoHS

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.

2 steps to select the right connector

● Step 1: Select connector series

Select the appropriate LEMO connector series according to the standard, the cable, according to the application or the mated connector already on your equipment.

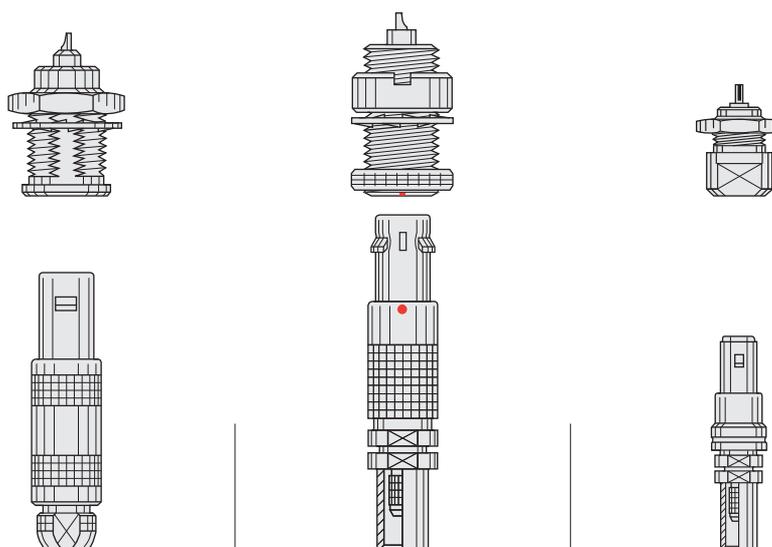


The NIM-CAMAC 00.250 series

The 00 series is coaxial (50 Ω). This connectors family was conceived for all applications where a high density of connectors is necessary, especially for patch panels. Because of LEMO's special self-latching system, it is possible to connect them with a simple axial push-pull thereby reducing the space needed to mount sockets to an absolute minimum, up to 50 sockets per square decimetre. LEMO 00 connectors served as the norm for NIM-CAMAC CD/N549 standard, used in nuclear physics as well as many other applications.

The miniature 01.250 series

The 01 series is coaxial (50 Ω). The plugs and sockets are amongst the smallest available 50 Ω coax connectors with a self-latching intermating capability. In spite of their small size and light weight, their technical characteristics remain excellent. Available in a wide range of housing configurations, they are especially useful when connecting onto printed circuit boards.



| | 00 | 00 | 01 |
|---|-----------------------------------|------------------------|-------------------------|
| Series | 00 | 00 | 01 |
| Standard | NIM-CAMAC | - | - |
| Environment | indoor | indoor | indoor |
| Ingress Protection ¹⁾ | IP50 | IP50 | IP50 |
| Ingress Protection ²⁾ | IP64 / watertight and vacuumtight | IP50 | IP64 models (HEV model) |
| Temperature range | - 55 to 260°C | - 55 to 260°C | - 55 to 230°C |
| Keying | - | Yes | - |
| Latching | Push-Pull self-latching | | |
| Contact type | Solder, crimp or print | Solder, crimp or print | Solder or print |
| Cable fixing type | Clamping or crimping | Crimping | Crimping |

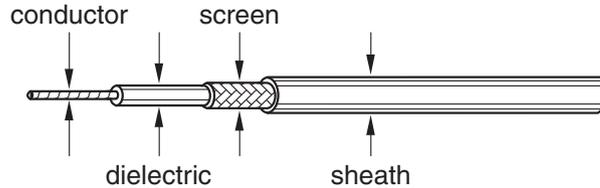
Note: ¹⁾ IP50 = Protection from the amount of dust that would interfere with the operation of the equipment
²⁾ Ingress protection between LEMO socket and your device (IP64 = protection from splashed water and dust tight)

Step 2: Complete the part number

Complete the part numbering by choosing the model depending on your cable and the application.

Part number coding . . 250 .

Verify the fitting to your cable and cable wire



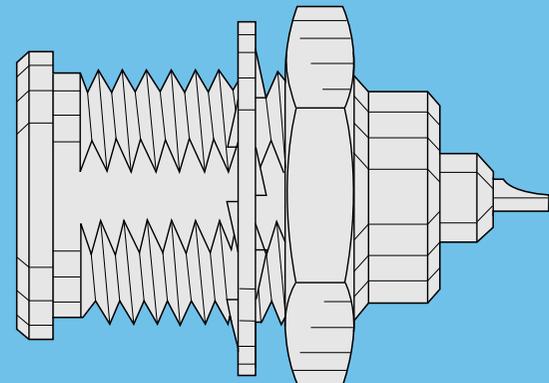
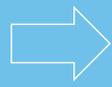
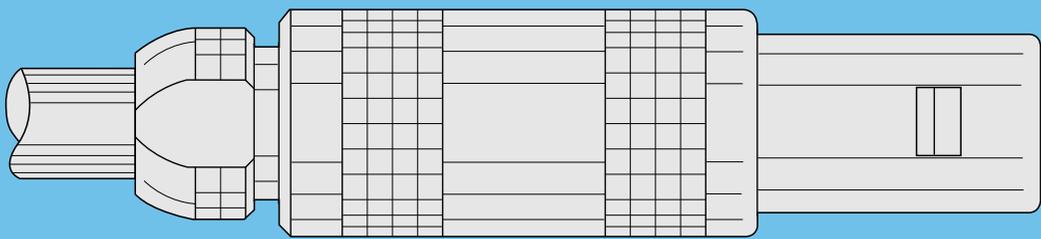
Recommended coaxial cables

Electrical and general properties

| | MIL-C-17 | IEC 60096-2 | CCTU 10-01A | LEMO Part-No | LEMO Cable group | Impedance Ohm | Capacitance pF/m | Attenuation dB/100 m at 100 MHz | Operating voltage U max. KV eff. | Temperature °C | | Series | |
|--------------|--------------|-------------|--------------------|--------------------|------------------|------------------|---------------------|---------------------------------------|-------------------------------------|----------------|------|--------|----|
| | | | | | | | | | | from | to | 00 | 01 |
| Standard | RG 58 C/U | 50.3.1 | KX 15 | CCX.50.RG5.8CU50N | 6 | 50 ± 2 | 101 | 23 | 1.90 | -25 | +70 | • | |
| | RG 142 B/U | | | CCX.50.RG1.42BU50M | 7 | 50 ± 2 | 95 | 12.8 | 1.50 | -70 | +200 | • | |
| | RG 174 /U | 50.2.1 | KX 38 | CCX.50.RG1.74U25N | 3 | 50 ± 2 | 101 | 35 | 2.50 | -40 | +75 | • | • |
| | RG 174 A/U | 50.2.1 | KX 3A | CCX.50.RG1.74AU27N | 8 | 50 ± 2 | 101 | 31.5 | 1.50 | -25 | +70 | • | • |
| | RG 178 B/U | 50.1.1 | KX 21A | CCX.50.RG1.78BU18M | 1 | 50 ± 2 | 96 | 48 | 0.70 | -90 | +205 | • | • |
| | RG 179 B/U | 75.2.1 | | CCX.75.RG1.79BU26M | 2 | 75 ± 3 | 64 | 33 | 1.20 | -90 | +205 | • | • |
| | RG 187 A/U | 75.2.2 | | CCX.75.RG1.87AU26B | 2 | 75 ± 3 | 64 | 33 | 1.20 | -50 | +205 | • | • |
| | RG 188 A/U | 50.2.3 | | CCX.50.RG1.88AU24B | 4 | 50 ± 2 | 96 | 33 | 1.20 | -50 | +205 | • | • |
| | RG 195 A/U | | | CCX.95.RG1.95AU37B | 5 | 95 ± 5 | 49 | 17 | 1.50 | -90 | +205 | • | |
| | RG 196 A/U | 50.1.2 | | CCX.50.RG1.96AU20B | 1 | 50 ± 2 | 96 | 48 | 0.70 | -50 | +205 | • | • |
| RG 316 /U | 50.2.2 | KX 22A | CCX.50.RG3.16BU26M | 4 | 50 ± 2 | 96 | 33 | 1.20 | -90 | +205 | • | • | |
| Non standard | Huber+Suhner | G02232D-60 | | | 8 | 50 ± 2 | 101 | 24 | 1.50 | -40 | +105 | • | |
| | Huber+Suhner | K01152-07 | | | 9 | 50 ± 5 | 96 | 72 | 0.45 | -45 | +165 | • | |
| | Storm | 421-099 | | | 8 | 50 ± 2 | 96 | 72 | 2.50 | -40 | +75 | • | |

Mechanical properties

| | Type | Conductor | | | Dielectric | | Screen | | Sheath | | | Weight |
|--------------|------------|-----------|-----------|------|------------|------|--------------|--|--------|--------|------|----------|
| | | Mat. | Stranding | ø mm | Mat. | ø mm | Mat. | ø mm | Mat. | Colour | ø mm | kg/100m. |
| Standard | RG 58 C/U | CuSn | 19 x 0.18 | 0.90 | PE | 2.92 | CuSn | 3.6 | PVC | black | 4.95 | 3.80 |
| | RG 142 B/U | CuStAg | solid | 0.95 | PTFE | 2.95 | CuAg CuAg | 1 st : 3.53 2 nd : 4.20 | FEP | | 4.95 | 6.60 |
| | RG 174 U | CuSt | 7 x 0.16 | 0.48 | PE | 1.50 | CuSn | 2.0 | PVC1 | black | 2.55 | |
| | RG 174 A/U | CuSt | 7 x 0.16 | 0.48 | PE | 1.50 | CuSn | 2.0 | PVC2 | black | 2.80 | 1.10 |
| | RG 178 B/U | CuStAg | 7 x 0.10 | 0.30 | PTFE | 0.87 | CuAg | 1.4 | FEP | brown | 1.80 | 0.85 |
| | RG 179 B/U | CuStAg | 7 x 0.10 | 0.30 | PTFE | 1.50 | CuAg | 2.0 | FEP | brown | 2.60 | 1.50 |
| | RG 187 A/U | CuStAg | 7 x 0.10 | 0.30 | PTFE | 1.50 | CuAg | 2.0 | PFA | white | 2.60 | 1.60 |
| | RG 188 A/U | CuStAg | 7 x 0.18 | 0.54 | PTFE | 1.50 | CuAg | 2.0 | PFA | white | 2.60 | 1.60 |
| | RG 195 A/U | CuStAg | 7 x 0.10 | 0.30 | PTFE | 2.52 | CuAg | 3.1 | PFA | white | 3.70 | 2.80 |
| | RG 196 A/U | CuStAg | 7 x 0.10 | 0.30 | PTFE | 0.87 | CuAg | 1.37 | PFA | white | 2.00 | 1.10 |
| RG 316 /U | CuStAg | 7 x 0.18 | 0.54 | PTFE | 1.50 | CuAg | 2.1 | FEP | brown | 2.60 | 1.60 | |
| Non standard | G02232D-60 | Cu | 7 x 0.16 | 0.50 | PE | 1.50 | CuAg CuSn | 1 st : 1.95 2 nd : 2.40 | PVC | grey | 3.10 | 2.10 |
| | K01152-07 | CuAg | 7 x 0.06 | 0.19 | PFA | 0.52 | CuAg | 0.9 | PFA | white | 1.25 | 0.90 |
| | 421-099 | CuStAg | 7 x 0.16 | 0.50 | PTFE | 1.52 | CuAg CuAg | 1 st : 2.00 2 nd : 2.50 | FEP | | 3.05 | 1.95 |



00 SERIES (NIM-CAMAC)

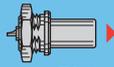
00 Series (NIM-CAMAC CD/N 549)

The 00 series is a range of 50 Ω coaxial connectors. They are suitable for a wide variety of applications particularly in measurement, control system and nuclear physics, having formed the basis for the NIM-CAMAC CD/N 549 standard. LEMO 00 connectors offer customers many benefits including:

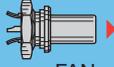
- Self-latching push-pull system
- Aesthetically pleasing appearance
- Small size
- High packing density
- Rugged construction
- Ease of use
- Low weight
- Reliable performances
- Wide choice to suit application

Metal housing models (page 8)

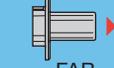
Fixed plugs



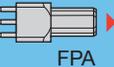
FAA



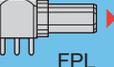
FAN



FAB

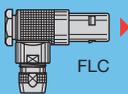


FPA

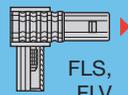


FPL

Elbow plugs

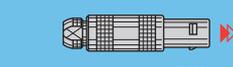


FLC

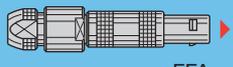


FLS, FLV

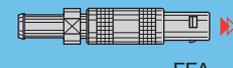
Straight plugs



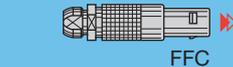
FFA



FFA



FFA



FFC



FFC



FFY



FFE



FFF



FFS

Fixed sockets



ERA, ERE



ERN



ERC



ERT



ERX



ECP



EHP



ELF

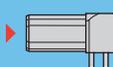


EPA, EPB, EPC

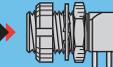


EPE

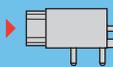
Elbow sockets



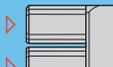
EPL, EPM, EPK, EPR



EPS

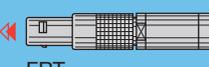


EPN

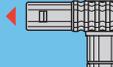


EPY

Plugs with resistor

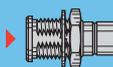


FRT



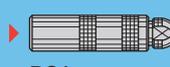
FLR

Socket with microswitch



ERM

Free sockets

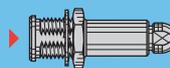


PCA

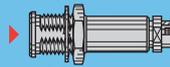


PCS

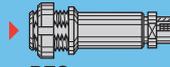
Fixed sockets



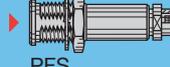
PSA



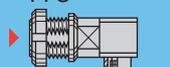
PSS



PES

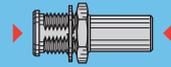


PFS

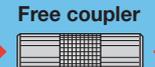


PLK

Fixed coupler

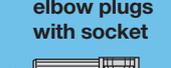


RAD



RMA

Free coupler



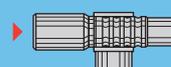
FTR



FTA



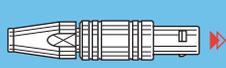
FTL



FTY

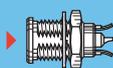
Plastic housing models* (page 21)

Straight plug



FFA

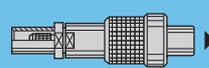
Fixed socket



ERN

Threaded latching Models* (page 26)

Straight plug



FVS

Adaptors

(See page 27)

Watertight or vacuumtight models (page 22)

Straight sockets



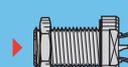
HGP



HGW



HEP



EWF

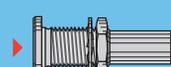


EWV



VPS

Straight coupler



SWH

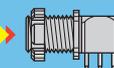
Metal housing models with mechanical keying* (page 24)

Straight plug

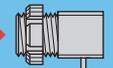


FSG

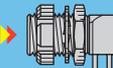
Elbow sockets



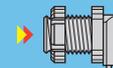
XBG



XRG

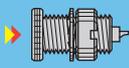


XSG

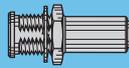


EXG

Fixed sockets



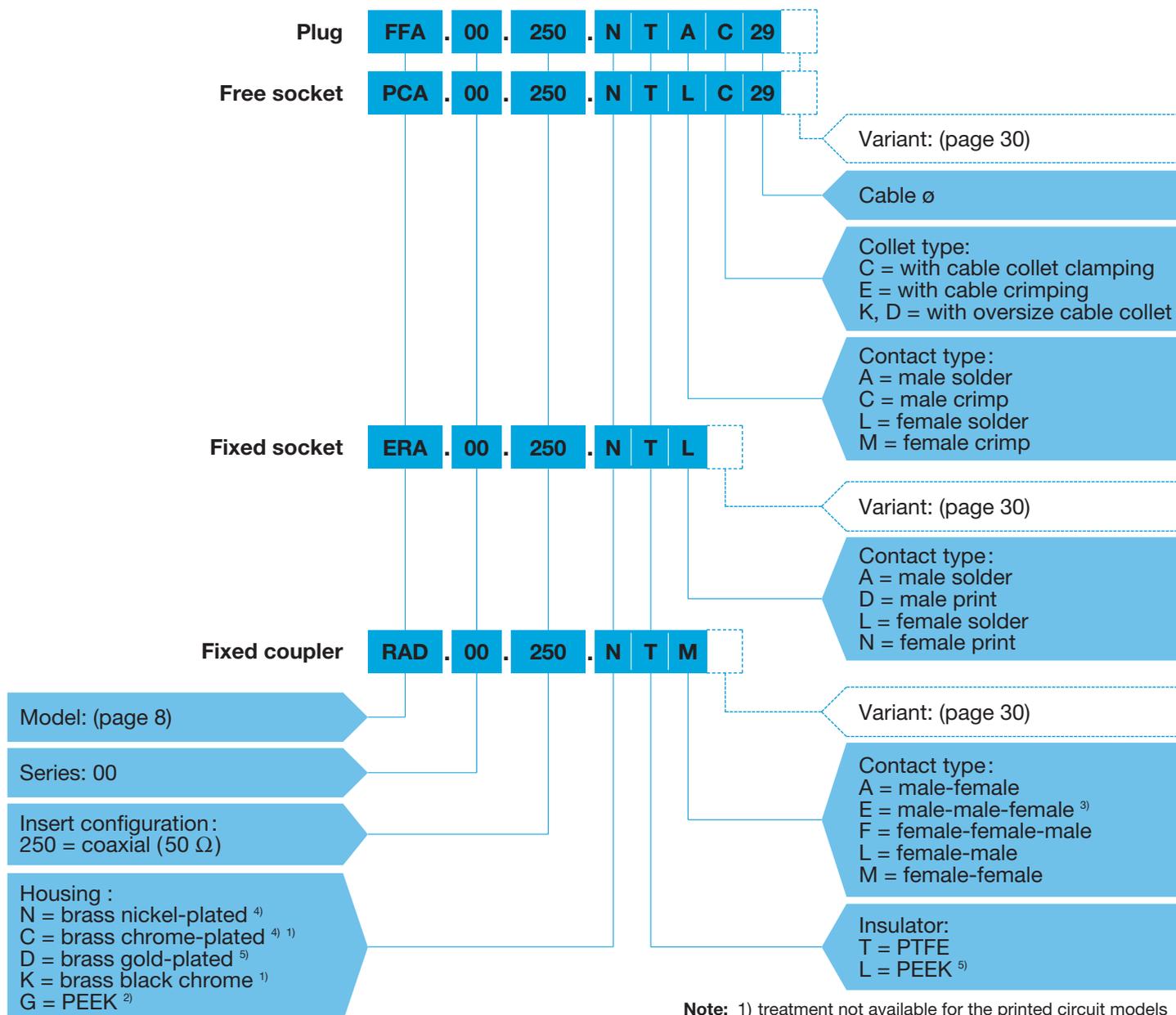
ESG



PSG

* not included in NIM-CAMAC standard

Part Numbering System

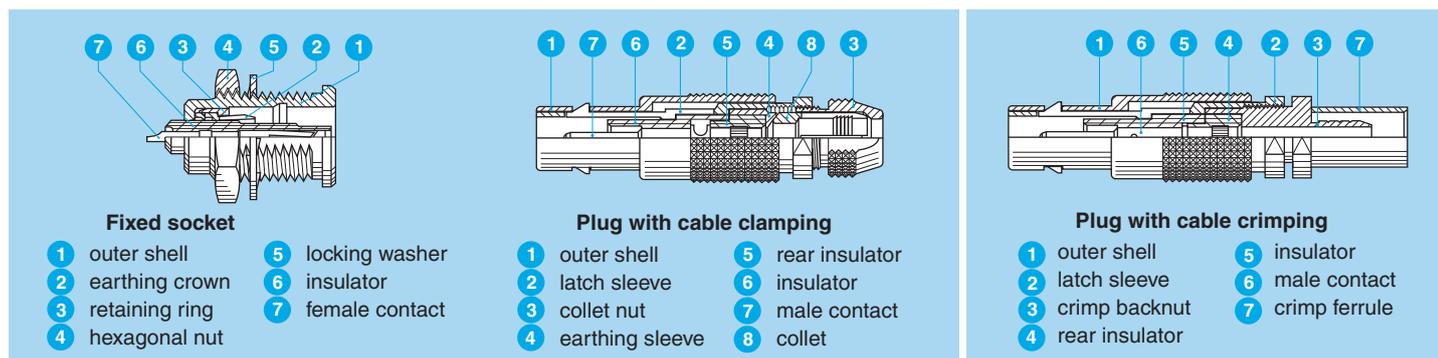


Note: 1) treatment not available for the printed circuit models
 2) available for the FFA and ERN model only
 3) used only for models: FTA, FTL and FTY.
 4) standard
 5) non-standard, on request only

Part Number Example

FFA.00.250.NTAC29 = straight plug with cable collet, series 00, coaxial type (50 Ω), outer shell in nickel-plated brass, PTFE insulator, male solder contact, C type collet of 2.9 mm diameter.

Part Section Showing Internal Components





Metal housing models

Technical Characteristics

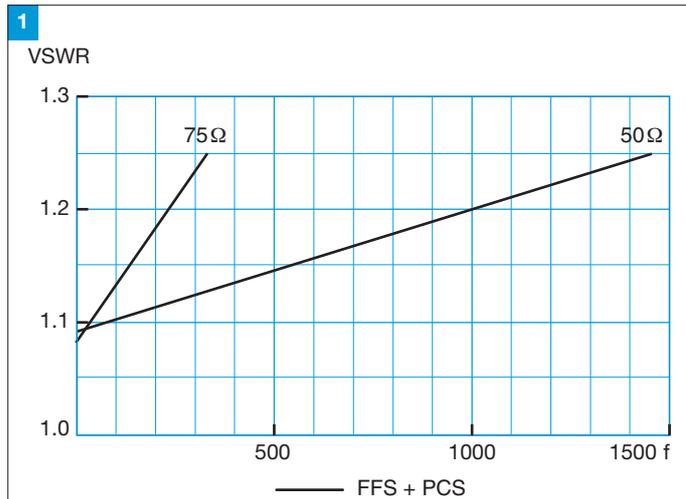
Mechanical and climatical

| Characteristics | Value | Standard | Test |
|------------------------------------|----------------|-------------|------|
| Contact retention force | > 18 N | IEC 60512-8 | 15a |
| Cable pull off force ¹⁾ | > 100 N | IEC 60512-9 | 17c |
| Connector pull off force | > 90 N | IEC 60512-8 | 15f |
| Endurance | > 5000 cycles | IEC 60512-5 | 9a |
| Operating temperature | - 55°C + 260°C | | |

Note: ¹⁾ depending on cable design

Voltage Standing Wave Ratio

The VSWR (Voltage Standing Wave Ratio) is the value representing the power reflected in a connection. The VSWR varies with frequency, in most cases, the working frequency range is where VSWR is ≤ 1.25 .



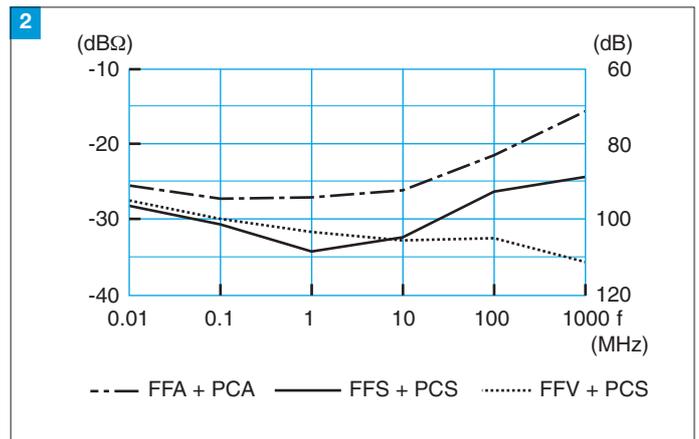
Note: value for connectors with PTFE insulator. VSWR measured 50 Ω with a RG-174 A/U cable and 75 Ω with a RG-179 B/U cable. Measured according to IEC-60169-1-1.

Electrical

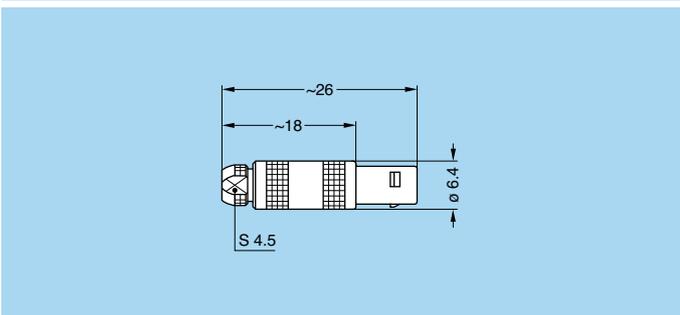
| Characteristics | Value | Standard | Test |
|-----------------------------|-----------------------------|-------------|------|
| Impedance | 50 Ω | – | |
| Operating voltage (50 Hz) | 0.7 kV rms | – | |
| Test voltage (50 Hz) | 2.1 kV rms | IEC 60512-2 | 4a |
| Rated current | 4 A | IEC 60512-3 | 5a |
| Contact resistance | < 6 m Ω | IEC 60512-2 | 2a |
| Shell electrical continuity | < 3.5 m Ω | IEC 60512-2 | 2f |
| Insulating resistance | > 10 ¹² Ω | IEC 60512-2 | 3a |
| VSWR | see chart N°1 below | | |
| Shielding efficiency | see chart N°2 below | | |

Shielding efficiency (EMC properties) in dB (transfer impedance in dB Ω)

The shielding efficiency is the ratio between the electromagnetic field inside the connector and a power source at the outside of the connector (or vice versa).



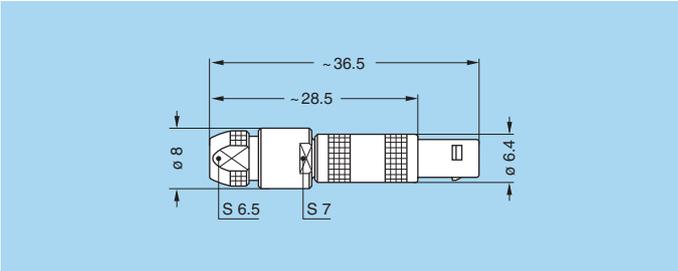
Note: measured according to IEC-60169-1-3 standard.



FFA Straight plug with cable collet

| Part number | Cable group | Cond. \varnothing max. | Dielectric \varnothing max. | Sheath \varnothing | |
|-------------------|-------------|--------------------------|-------------------------------|----------------------|------|
| | | | | min. | max. |
| FFA.00.250.NTAC15 | 9 | 0.55 | 1.45 | 1.1 | 1.4 |
| FFA.00.250.NTAC17 | – | 0.55 | 1.45 | 1.3 | 1.7 |
| FFA.00.250.NTAC22 | 1 | 0.55 | 1.95 | 1.8 | 2.2 |
| FFA.00.250.NTAC27 | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| FFA.00.250.NTAC31 | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

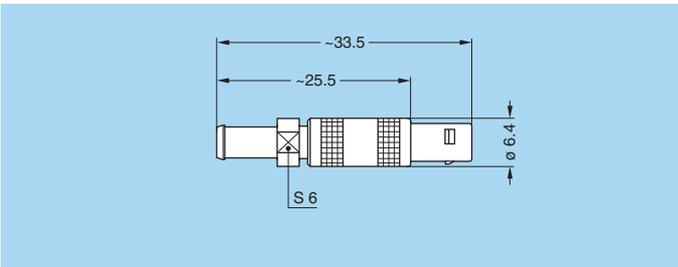
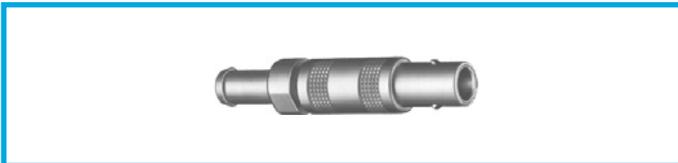
M1 Cable assembly, solder contact (page 39)



FFA Straight plug with oversize cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFA.00.250.NTAK37 | 8 | 0.55 | 1.95 | 3.0 | 3.6 |
| FFA.00.250.NTAK42 | - | 0.55 | 1.95 | 3.3 | 4.1 |

M1 Cable assembly, solder contact (page 39)

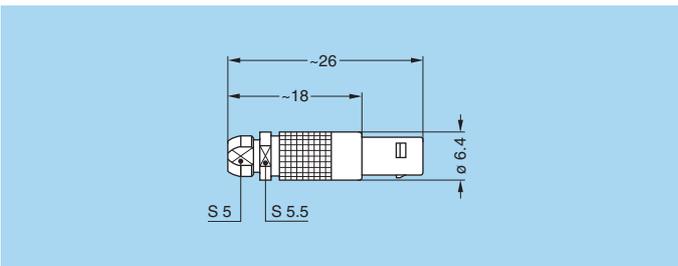


FFA Straight plug with cable collet and nut for fitting a bend relief

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|--------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFA.00.250.NTAC15Z | 9 | 0.55 | 1.45 | 1.1 | 1.4 |
| FFA.00.250.NTAC17Z | - | 0.55 | 1.45 | 1.3 | 1.7 |
| FFA.00.250.NTAC22Z | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| FFA.00.250.NTAC27Z | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| FFA.00.250.NTAC31Z | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

M1 Cable assembly, solder contact (page 39)

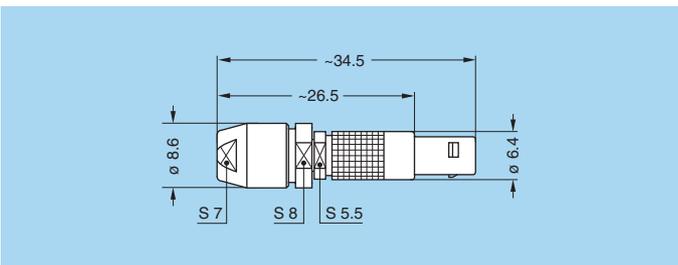
Note: the bend relief must be ordered separately (see page 30).



FFC Straight plug with flats on latch sleeve and cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFC.00.250.CTAC22 | 1 | 0.60 | 1.55 | 1.7 | 2.1 |
| FFC.00.250.CTAC27 | 2-3-4 | 0.60 | 1.95 | 2.3 | 2.7 |
| FFC.00.250.CTAC31 | 8 | 0.60 | 1.95 | 2.8 | 3.0 |

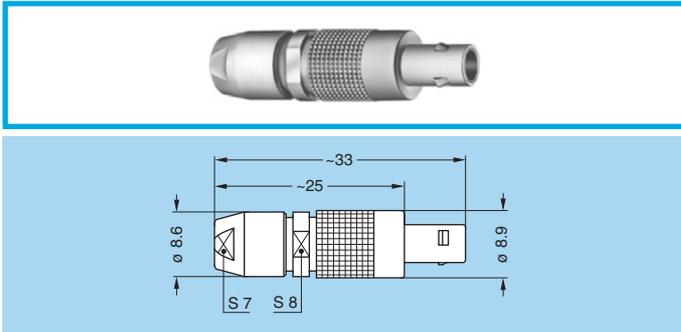
M3 Cable assembly, solder contact (page 39)



FFC Straight plug with flats on latch sleeve and oversize cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFC.00.250.CTAD42 | 5 | 1.05 | 3.05 | 3.1 | 4.0 |
| FFC.00.250.CTAD52 | 6-7 | 1.05 | 3.05 | 4.1 | 5.0 |
| FFC.00.250.CTAD56 | - | 1.05 | 3.05 | 5.1 | 5.5 |

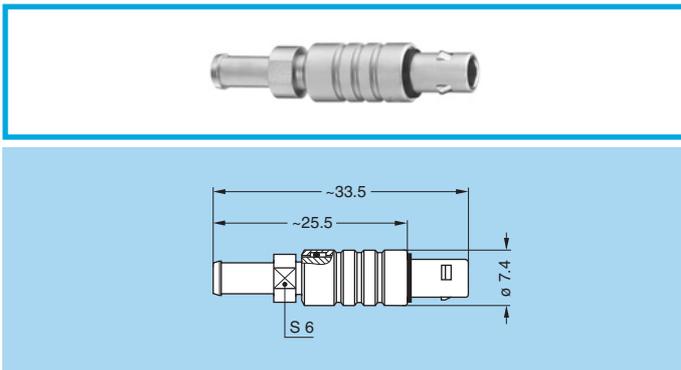
M3 Cable assembly, solder contact (page 39)



FFY Straight plug, large shell with cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFY.00.250.NTAC40 | 5 | 1.05 | 3.05 | 3.2 | 3.8 |
| FFY.00.250.NTAC47 | – | 1.05 | 3.05 | 3.9 | 4.5 |
| FFY.00.250.NTAC52 | 6-7 | 1.05 | 3.05 | 4.6 | 5.0 |

M2 Cable assembly, solder contact (page 39)

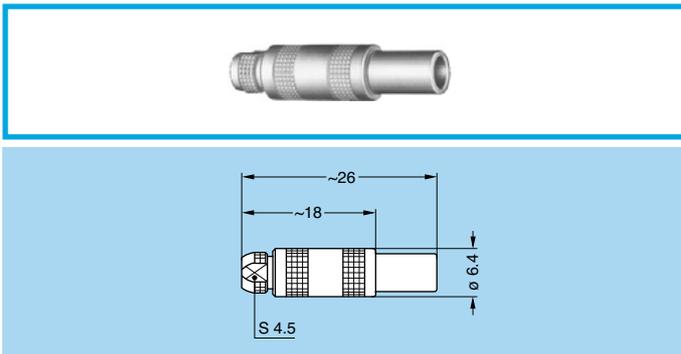


FFE Straight plug with front sealing ring, cable collet and nut for fitting a bend relief (IP 54 protection index when mated)

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|--------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFE.00.250.NTAC22Z | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| FFE.00.250.NTAC27Z | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| FFE.00.250.NTAC31Z | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

M1 Cable assembly, solder contact (page 39)

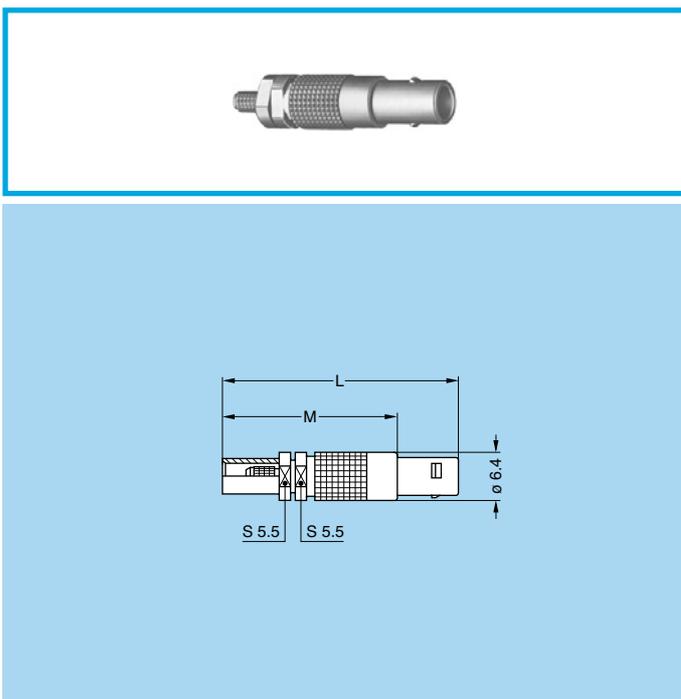
Note: the bend relief must be ordered separately (see page 30).



FFF Straight plug, non-latching, with cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFF.00.250.NTAC22 | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| FFF.00.250.NTAC27 | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| FFF.00.250.NTAC31 | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

M1 Cable assembly, solder contact (page 39)



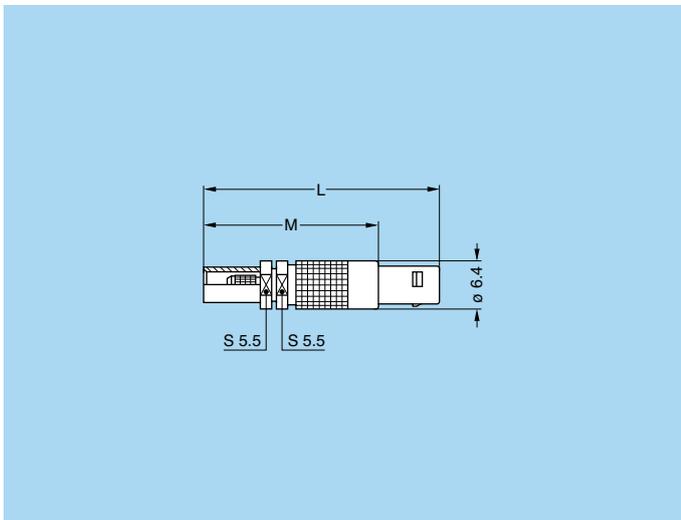
FFS Straight plug for cable crimping

| Part number | Dim | | Cable group | Cond. Ø maxi | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-----|----|-------------|--------------|----------------|---------------|
| | L | M | | | | |
| FFS.00.250.CTAE24 | 31 | 23 | 1 | 0.4 | 0.95 | 2.35 |
| FFS.00.250.CTAE31 | 31 | 23 | 3-4 | 0.55 | 1.65 | 3.0 |
| FFS.00.250.CTAE52 | 34 | 26 | 6 | 0.97 | 3.05 | 5.2 |

M5 Cable assembly, solder contact (page 41)

| Part number | Dim | | Cable group | Cond. Ø | | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-----|----|-------------|---------|------|----------------|---------------|
| | L | M | | mini | maxi | | |
| FFS.00.250.CTCE24 | 31 | 23 | 1 | 0.28 | 0.4 | 0.95 | 2.35 |
| FFS.00.250.CTCE25 | 31 | 23 | 1 | 0.28 | 0.4 | 1.15 | 2.35 |
| FFS.00.250.CTCE30 | 31 | 23 | 2 | 0.28 | 0.4 | 1.65 | 3.0 |
| FFS.00.250.CTCE31 | 31 | 23 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| FFS.00.250.CTCE35 | 31 | 23 | 8 | 0.46 | 0.55 | 1.65 | 3.35 |
| FFS.00.250.CTCE44 | 31 | 23 | 5 | 0.28 | 0.4 | 2.65 | 4.35 |
| FFS.00.250.CTCE52 | 34 | 26 | 6 | 0.90 | 0.97 | 3.05 | 5.2 |
| FFS.00.250.CTCE56 | 34 | 26 | 7 | 0.90 | 0.97 | 3.05 | 5.45 |

M4 Cable assembly, crimp contact (page 40)



FFV Straight plug for cable crimping with improved screen efficiency ¹⁾

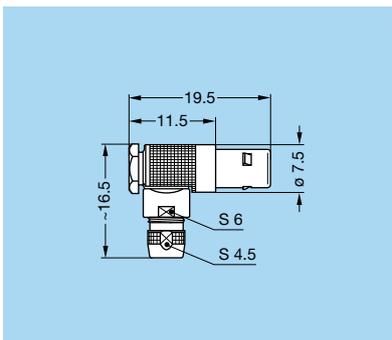
| Part number | Dim | | Cable group | Cond. Ø maxi | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-----|----|-------------|--------------|----------------|---------------|
| | L | M | | | | |
| FFV.00.250.NTAE24 | 31 | 23 | 1 | 0.4 | 0.95 | 2.35 |
| FFV.00.250.NTAE31 | 31 | 23 | 3-4 | 0.55 | 1.65 | 3.0 |
| FFV.00.250.NTAE52 | 34 | 26 | 6 | 0.97 | 3.05 | 5.2 |

M5 Cable assembly, solder contact (page 41)

| Part number | Dim | | Cable group | Cond. Ø | | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-----|----|-------------|---------|------|----------------|---------------|
| | L | M | | mini | maxi | | |
| FFV.00.250.NTCE24 | 31 | 23 | 1 | 0.28 | 0.4 | 0.95 | 2.35 |
| FFV.00.250.NTCE30 | 31 | 23 | 2 | 0.28 | 0.4 | 1.65 | 3.0 |
| FFV.00.250.NTCE31 | 31 | 23 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| FFV.00.250.NTCE35 | 31 | 23 | 8 | 0.46 | 0.55 | 1.65 | 3.35 |
| FFV.00.250.NTCE44 | 31 | 23 | 5 | 0.28 | 0.4 | 2.65 | 4.35 |
| FFV.00.250.NTCE52 | 34 | 26 | 6 | 0.90 | 0.97 | 3.05 | 5.2 |
| FFV.00.250.NTCE56 | 34 | 26 | 7 | 0.90 | 0.97 | 3.05 | 5.45 |

M4 Cable assembly, crimp contact (page 40)

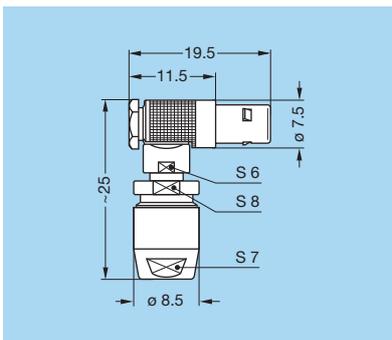
Note: ¹⁾ Screen efficiency >100dB at 1 GHz, see page 8.



FLC Elbow plug (90°) with cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FLC.00.250.CTAC22 | 1 | 0.55 | 1.55 | 1.7 | 2.1 |
| FLC.00.250.CTAC27 | - | 0.55 | 1.75 | 2.3 | 2.7 |
| FLC.00.250.CTAC31 | - | 0.55 | 1.75 | 2.8 | 3.0 |

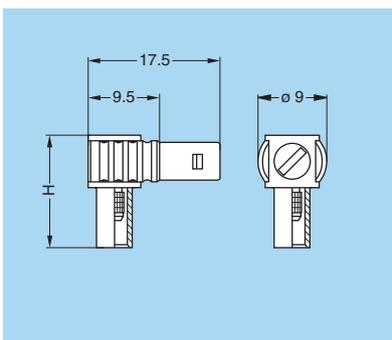
M6 Cable assembly, solder contact (page 42)



FLC Elbow plug (90°) with oversized cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FLC.00.250.CTAD42 | 8 | 0.97 | 1.75 | 3.1 | 4.0 |
| FLC.00.250.NTAD52 | 6 | 0.97 | 1.75 | 4.1 | 5.0 |
| FLC.00.250.NTAD56 | 7 | 0.97 | 1.75 | 5.1 | 5.5 |

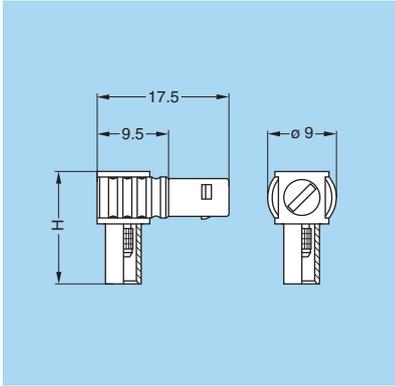
M6 Cable assembly, solder contact (page 42)



FLS Elbow plug (90°) for cable crimping

| Part number | H (mm) | Cable group | Cond. Ø maxi | Dielectric Ø maxi | Sheath Ø maxi |
|-------------------|--------|-------------|--------------|-------------------|---------------|
| FLS.00.250.NTAE31 | 15 | - | 0.55 | 1.65 | 3.0 |
| FLS.00.250.NTAE35 | 15 | - | 0.55 | 1.65 | 3.35 |
| FLS.00.250.NTAE52 | 18 | 6 | 0.97 | 3.05 | 5.2 |
| FLS.00.250.NTAE56 | 18 | 7 | 0.97 | 3.05 | 5.45 |

M7 Cable assembly, solder contact (page 42)

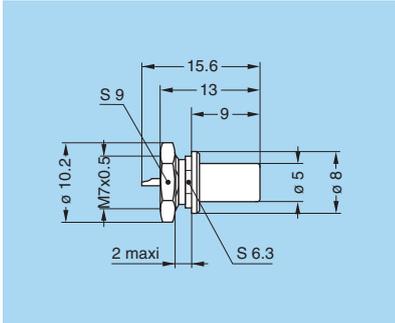


FLV Elbow plug (90°) for cable crimping with improved screen efficiency *

| Part number | H (mm) | Cable group | Cond. Ø maxi | Dielectric Ø maxi | Sheath Ø maxi |
|-------------------|--------|-------------|--------------|-------------------|---------------|
| FLV.00.250.NTAE31 | 15 | 3-4 | 0.55 | 1.65 | 3.0 |
| FLV.00.250.NTAE35 | 15 | 8 | 0.55 | 1.65 | 3.35 |
| FLV.00.250.NTAE52 | 18 | 6 | 0.97 | 3.05 | 5.2 |
| FLV.00.250.NTAE56 | 18 | 7 | 0.97 | 3.05 | 5.45 |

M7 Cable assembly, solder contact (page 42)

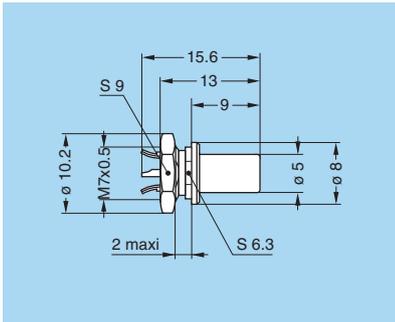
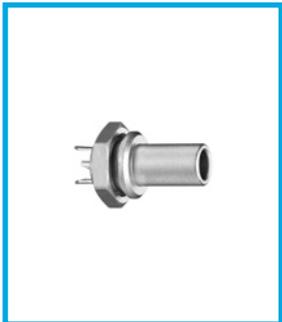
* Screen efficiency >100dB at 1 GHz, see page 8.



FAA Straight plug, non-latching, nut fixing

| Part number | Weight (g) |
|----------------|------------|
| FAA.00.250.NTA | 2.5 |

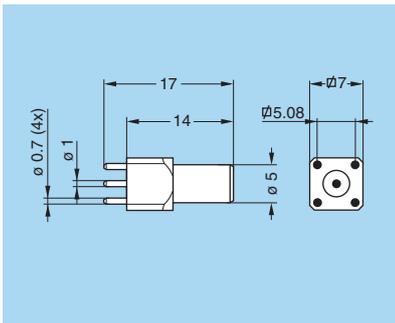
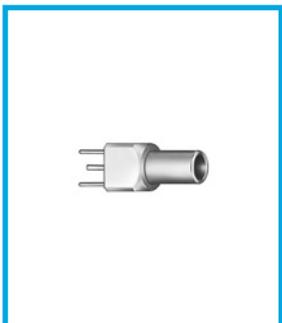
P5 Panel cut-out (page 38)



FAN Straight plug, non-latching, nut fixing with earthing tags

| Part number | Weight (g) |
|----------------|------------|
| FAN.00.250.CLA | 2.5 |

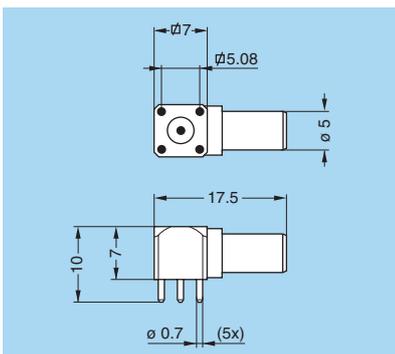
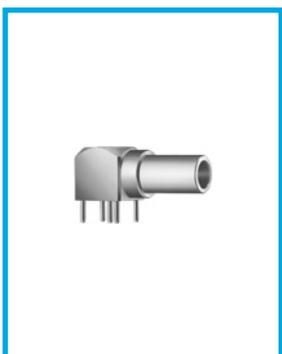
P5 Panel cut-out (page 38)



FPA Straight plug, non-latching, for printed circuit

| Part number | Weight (g) |
|----------------|------------|
| FPA.00.250.NTD | 2.5 |

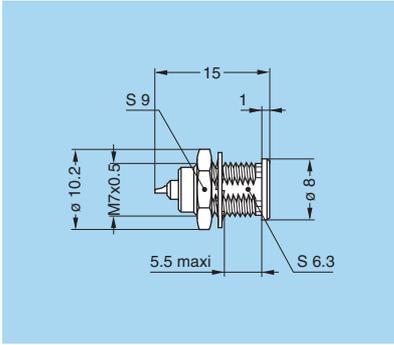
P11 PCB drilling pattern (page 38)



FPL Elbow plug (90°), non-latching for printed circuit

| Part number | Weight (g) |
|----------------|------------|
| FPL.00.250.NTD | 2.5 |

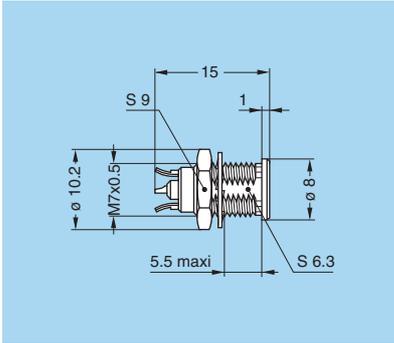
P10 PCB drilling pattern (page 38)



ERA Fixed socket, nut fixing

| Part number | Weight (g) |
|----------------|------------|
| ERA.00.250.NTL | 2.5 |

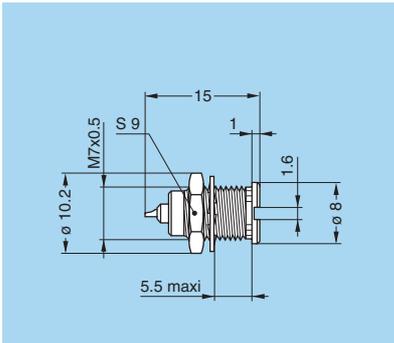
P5 Panel cut-out (page 38)



ERN Fixed socket, nut fixing, with earthing tags

| Part number | Weight (g) |
|----------------|------------|
| ERN.00.250.NTL | 2.5 |

P5 Panel cut-out (page 38)

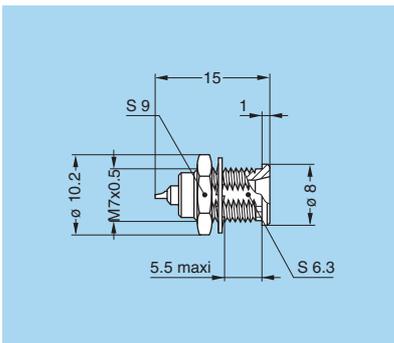


ERC Fixed socket, with thread, with slots in flange

| Part number | Weight (g) |
|----------------|------------|
| ERC.00.250.NTL | 2.6 |

P1 Panel cut-out (page 38)

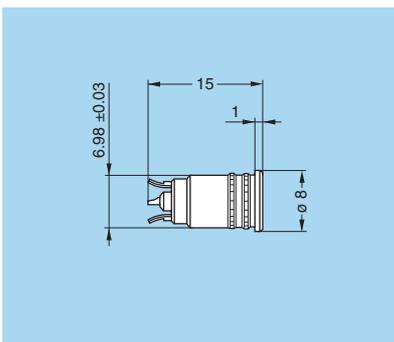
P3 Panel cut-out for use without hexagonal nut (page 38)



ERE Fixed socket, nut fixing, with conical lead-in

| Part number | Weight (g) |
|----------------|------------|
| ERE.00.250.NTL | 2.8 |

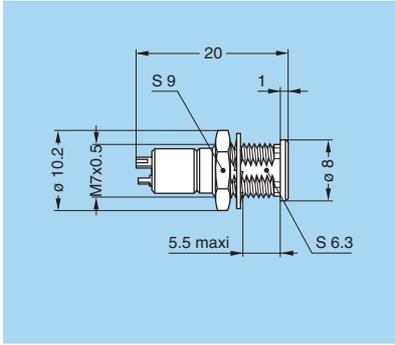
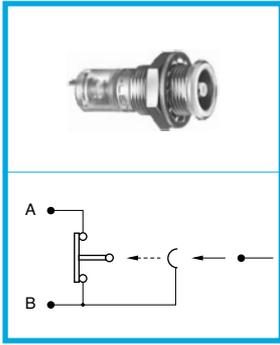
P5 Panel cut-out (page 38)



ERT Straight socket without thread, force or adhesive fit, with earthing tags

| Part number | Weight (g) |
|----------------|------------|
| ERT.00.250.NTL | 2.1 |

P4 Panel cut-out (page 38)

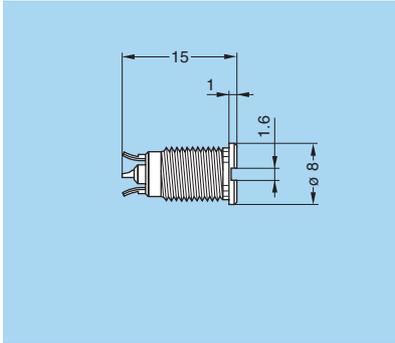


ERM Fixed socket, nut fixing, with microswitch

| Part number | Weight (g) |
|----------------|------------|
| ERM.00.250.NTL | 3.0 |

P5 Panel cut-out (page 38)

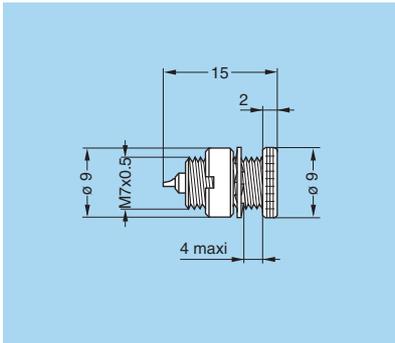
Technical characteristics on request



ERX Fixed socket, with thread, with slots in flange, with earthing tags

| Part number | Weight (g) |
|----------------|------------|
| ERX.00.250.NTL | 2.0 |

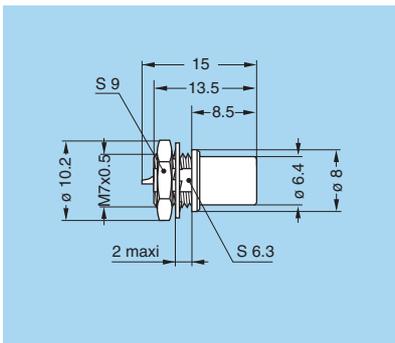
P3 Panel cut-out (page 38)



ECP Fixed socket with two nuts

| Part number | Weight (g) |
|----------------|------------|
| ECP.00.250.NTL | 3.3 |

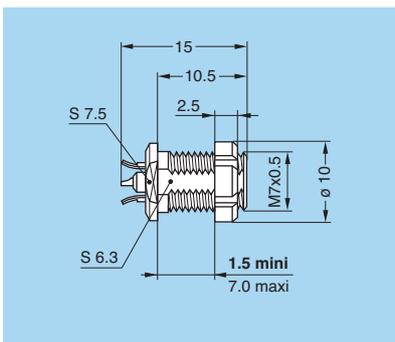
P1 Panel cut-out (page 38)



EHP Fixed socket, nut fixing, protruding shell

| Part number | Weight (g) |
|----------------|------------|
| EHP.00.250.NTL | 2.8 |

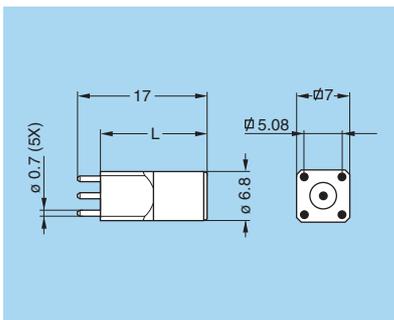
P5 Panel cut-out (page 38)



ELF Fixed socket, with slotted nut, long threaded shell, with earthing tags (back panel mounting)

| Part number | Weight (g) |
|----------------|------------|
| ELF.00.250.NTL | 3.1 |

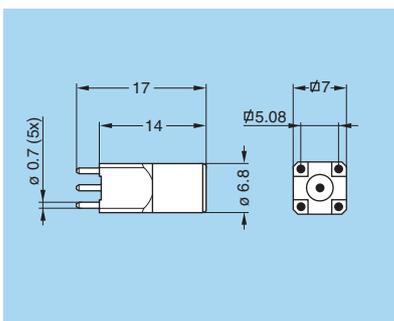
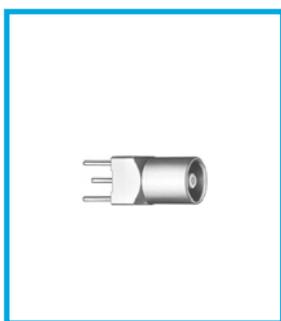
P5 Panel cut-out (page 38)



EPA-EPB Straight socket for printed circuit

| Part number | L (mm) | Weight (g) |
|----------------|--------|------------|
| EPA.00.250.NTN | 14 | 3.4 |
| EPB.00.250.NTN | 12 | 3.3 |

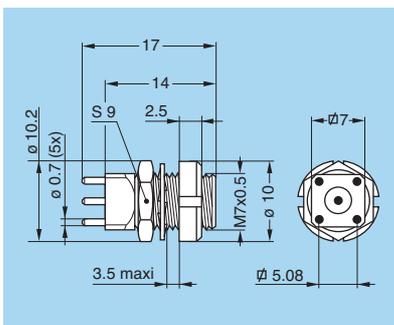
P10 PCB drilling pattern (page 38)



EPC Straight socket for printed circuit with clearance under the body

| Part number | Weight (g) |
|----------------|------------|
| EPC.00.250.NTN | 3.3 |

P10 PCB drilling pattern (page 38)

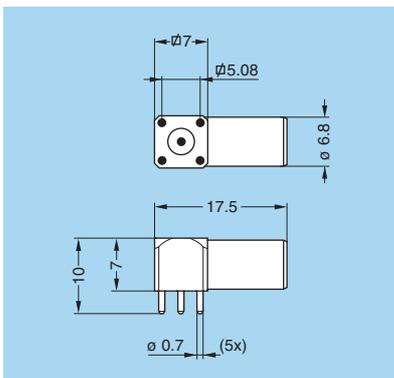
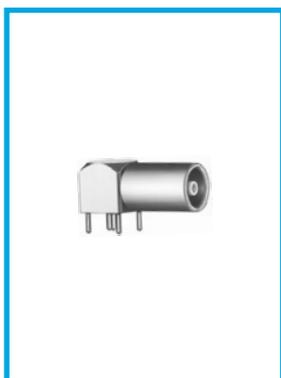


EPE Fixed socket with two nuts, for printed circuit

| Part number | Weight (g) |
|----------------|------------|
| EPE.00.250.NTN | 4.3 |

P1 Panel cut-out (page 38)

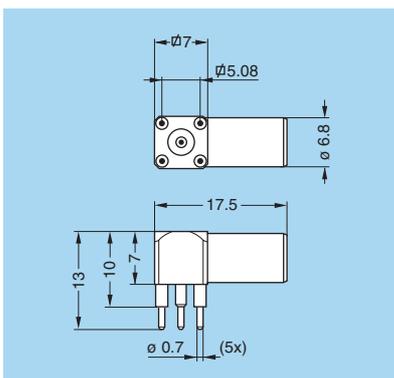
P12 PCB drilling pattern (page 38)



EPL Elbow socket (90°) for printed circuit

| Part number | H (mm) | Weight (g) |
|----------------|--------|------------|
| EPL.00.250.NTN | 10 | 4.3 |

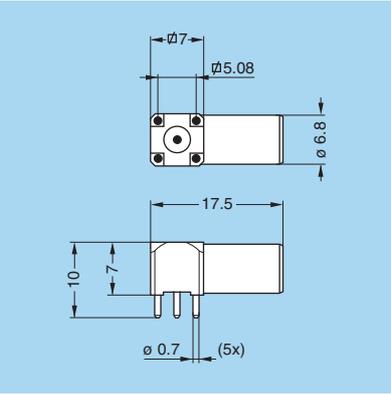
P10 PCB drilling pattern (page 38)



EPM Elbow socket (90°) for printed circuit, elevated solder tail

| Part number | H (mm) | Weight (g) |
|----------------|--------|------------|
| EPM.00.250.NTN | 13 | 4.6 |

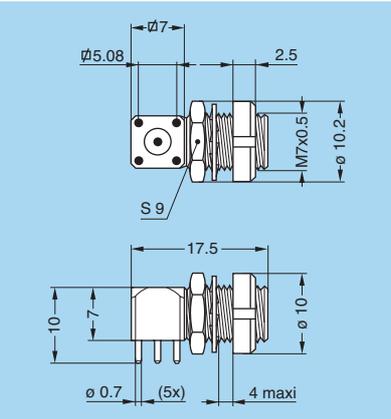
P10 PCB drilling pattern (page 38)



EPK Elbow socket (90°) for printed circuit with clearance under the body

| Part number | Weight (g) |
|----------------|------------|
| EPK.00.250.NTN | 4.2 |

P10 PCB drilling pattern (page 38)

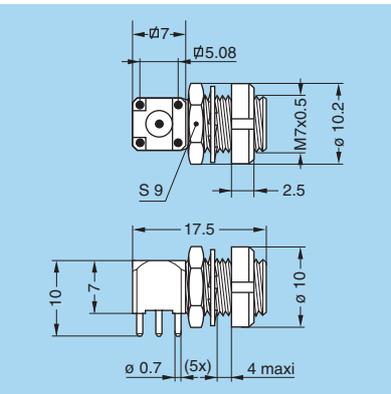


EPS Elbow socket (90°) with two nuts, for printed circuit

| Part number | Weight (g) |
|----------------|------------|
| EPS.00.250.NTN | 5.4 |

P1 Panel cut-out (page 38)

P12 PCB drilling pattern (page 38)

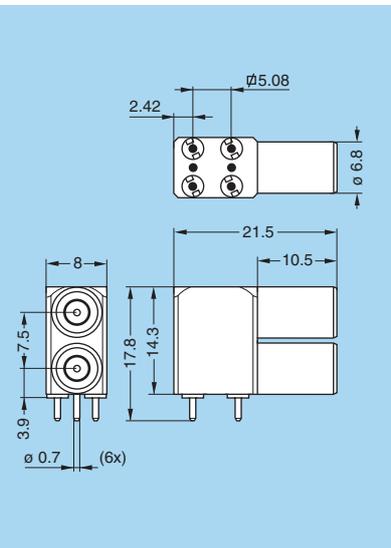
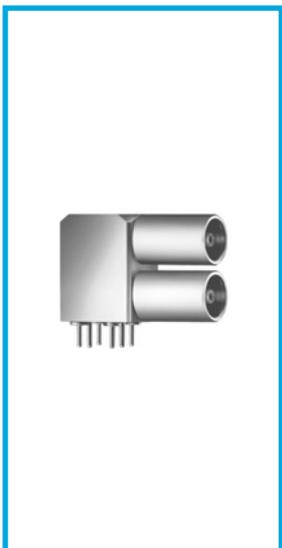


EPR Elbow socket (90°) with two nuts for printed circuit, with clearance under the body (back panel mounting)

| Part number | Weight (g) |
|----------------|------------|
| EPR.00.250.NTN | 5.4 |

P1 Panel cut-out (page 38)

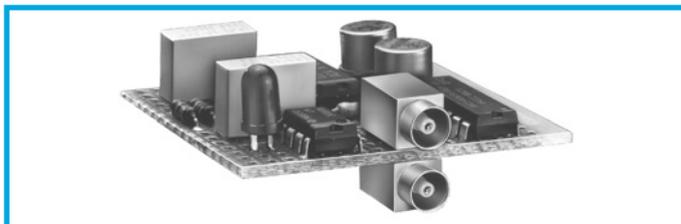
P12 PCB drilling pattern (page 38)



EPY Elbow socket (90°) for printed circuit, with two vertical sockets

| Part number | Weight (g) |
|----------------|------------|
| EPY.00.250.NTN | 12.8 |

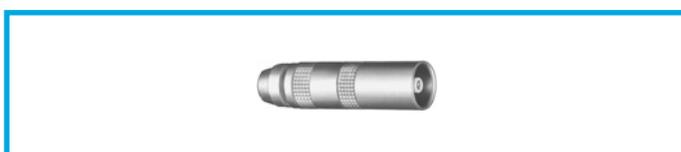
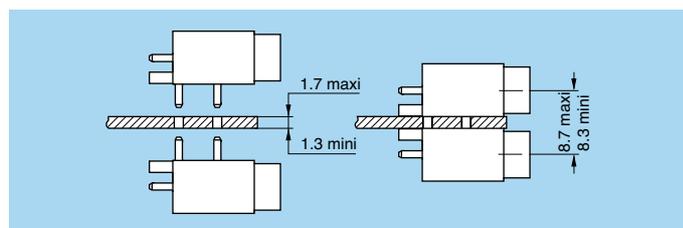
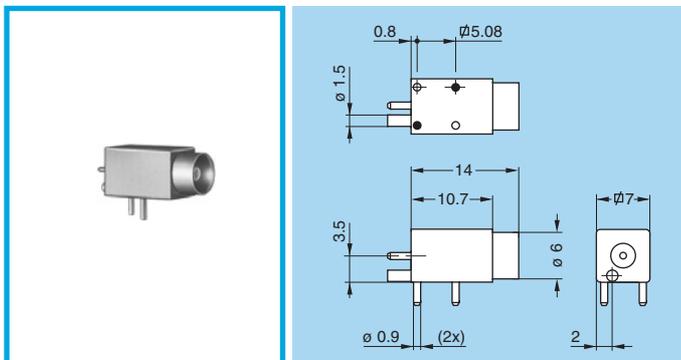
P13 PCB drilling pattern (page 38)



EPN Straight socket for press mounting in pair on printed circuit

| Part number | Weight (g) |
|----------------|------------|
| EPN.00.250.NTN | 3.6 |

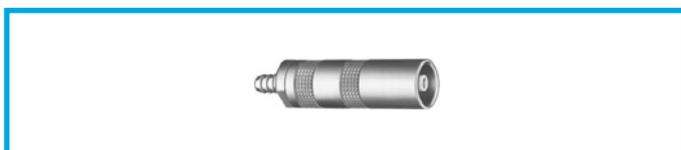
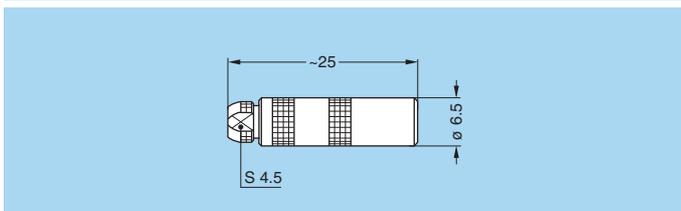
P9 PCB drilling pattern (page 38)



PCA Free socket with cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| PCA.00.250.NTLC15 | 9 | 0.55 | 1.45 | 1.1 | 1.4 |
| PCA.00.250.NTLC22 | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| PCA.00.250.NTLC27 | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| PCA.00.250.NTLC31 | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

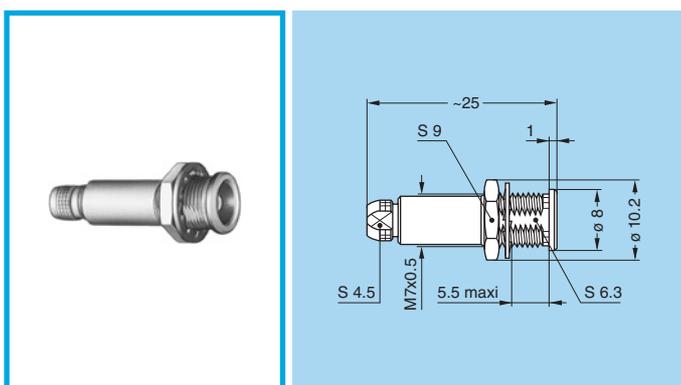
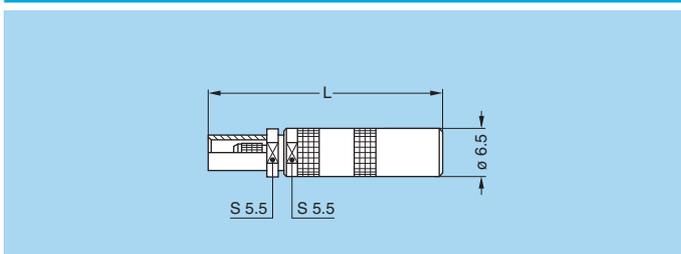
M1 Cable assembly (page 39)



PCS Free socket for cable crimping

| Part number | Dim L | Cable group | Cond. Ø | | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-------|-------------|---------|------|----------------|---------------|
| | | | mini | maxi | | |
| PCS.00.250.NTME24 | 30 | 1 | 0.28 | 0.4 | 0.95 | 2.35 |
| PCS.00.250.NTME30 | 30 | 2 | 0.28 | 0.4 | 1.65 | 3.0 |
| PCS.00.250.NTME31 | 30 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| PCS.00.250.NTME44 | 30 | 5 | 0.28 | 0.4 | 2.65 | 4.35 |
| PCS.00.250.NTME52 | 33 | 6 | 0.90 | 0.97 | 3.05 | 5.2 |

M4 Cable assembly, crimp contact (page 40)

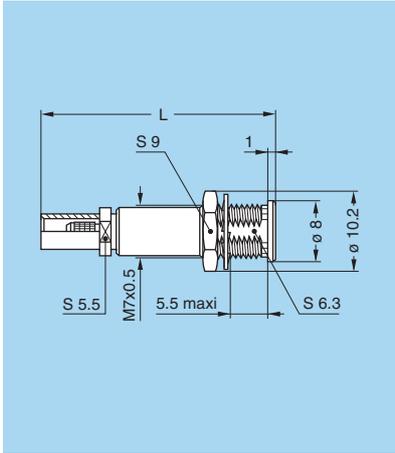


PSA Fixed socket, nut fixing, with cable collet

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| PSA.00.250.NTLC22 | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| PSA.00.250.NTLC27 | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| PSA.00.250.NTLC31 | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

M1 Cable assembly (page 39)

P5 Panel cut-out (page 38)

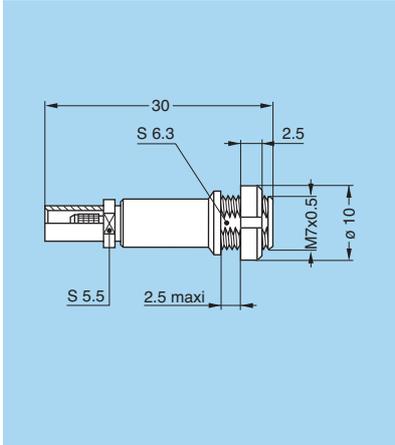


PSS Fixed socket, nut fixing, for cable crimping

| Part number | Dim L | Cable group | Cond. Ø | | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-------|-------------|---------|------|----------------|---------------|
| | | | mini | maxi | | |
| PSS.00.250.NTME24 | 30 | 1 | 0.28 | 0.4 | 0.95 | 2.35 |
| PSS.00.250.NTME30 | 30 | 2 | 0.28 | 0.4 | 1.65 | 3.0 |
| PSS.00.250.NTME31 | 30 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| PSS.00.250.NTME35 | 30 | 8 | 0.46 | 0.55 | 1.65 | 3.35 |
| PSS.00.250.NTME52 | 33 | 6 | 0.90 | 0.97 | 3.05 | 5.2 |

M4 Cable assembly, crimp contact (page 40)

P5 Panel cut-out (page 38)

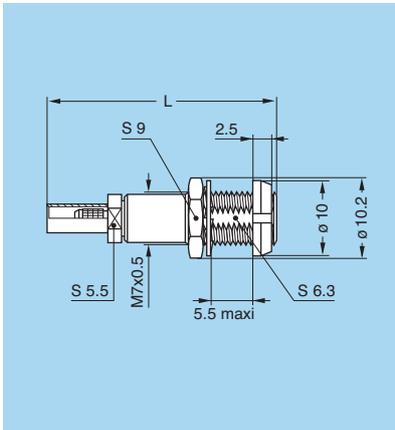


PES Fixed socket, nut fixing, for cable crimping (back panel mounting)

| Part number | Cable group | Cond. Ø | | Dielectric Ø maxi | Sheath Ø maxi |
|-------------------|-------------|---------|------|-------------------|---------------|
| | | mini | maxi | | |
| PES.00.250.NTME24 | 1 | 0.28 | 0.4 | 0.95 | 2.35 |
| PES.00.250.NTME30 | 2 | 0.28 | 0.4 | 1.65 | 3.0 |
| PES.00.250.NTME31 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| PES.00.250.NTME35 | 8 | 0.46 | 0.55 | 1.65 | 3.35 |

M4 Cable assembly, crimp contact (page 40)

P5 Panel cut-out (page 38)

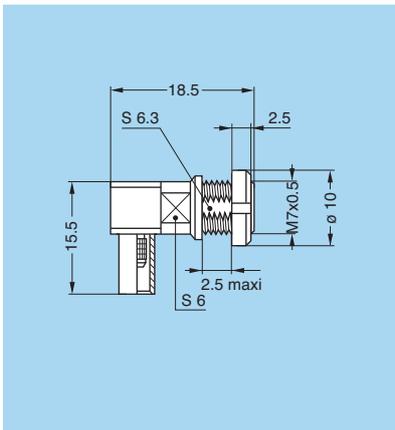


PFS Fixed socket, with two nuts, for cable crimping (back panel mounting)

| Part number | Dim L | Cable group | Cond. Ø | | Dielec. Ø maxi | Sheath Ø maxi |
|-------------------|-------|-------------|---------|------|----------------|---------------|
| | | | mini | maxi | | |
| PFS.00.250.NTME24 | 30 | 1 | 0.28 | 0.4 | 0.95 | 2.35 |
| PFS.00.250.NTME31 | 30 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| PFS.00.250.NTME52 | 33 | 6 | 0.90 | 0.95 | 3.05 | 5.2 |

P5 Panel cut-out (page 38)

Cable assembly, please contact customer services

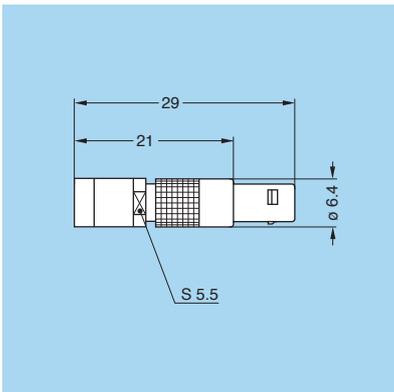


PLK Fixed elbow socket (90°), for cable crimping (back panel mounting)

| Part number | Cable group | Cond. Ø | | Dielectric Ø maxi | Sheath Ø maxi |
|-------------------|-------------|---------|------|-------------------|---------------|
| | | mini | maxi | | |
| PLK.00.250.NTLE31 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |
| PLK.00.250.NTLE35 | 8 | 0.46 | 0.55 | 1.65 | 3.35 |

P5 Panel cut-out (page 38)

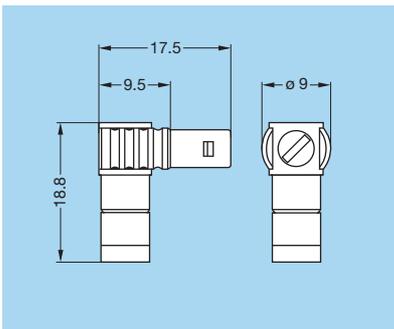
Cable assembly, please contact customer services



FRT Straight plug with resistor

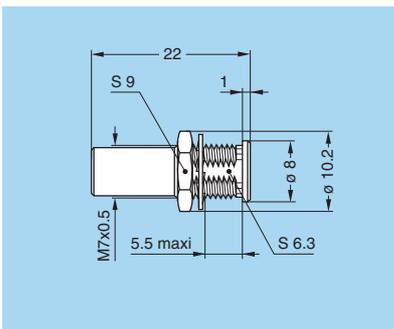
| Part number | Resistor | Weight (g) | Note |
|-------------------|------------|------------|------|
| FRT.00.250.NTA00 | shorted | 4.4 | ● |
| FRT.00.250.NTA50 | 50 Ω 0.6W | 4.4 | ● |
| FRT.00.250.NTA100 | 100 Ω 0.4W | 4.4 | ○ |

Note: ● Standard, first choice alternative
○ Non standard, on request only



FLR Elbow plug (90°) with resistor

| Part number | Resistor | Weight (g) |
|------------------|-----------|------------|
| FLR.00.250.NTA50 | 50 Ω 0.6W | 5.6 |

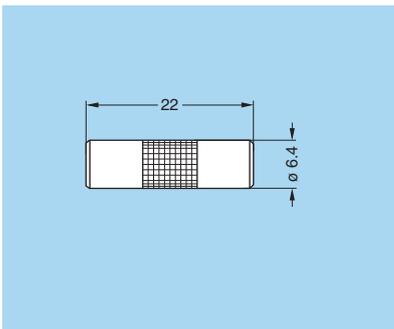


RAD Fixed coupler, nut fixing

| Part number | Weight (g) |
|----------------|------------|
| RAD.00.250.NTM | 3.8 |

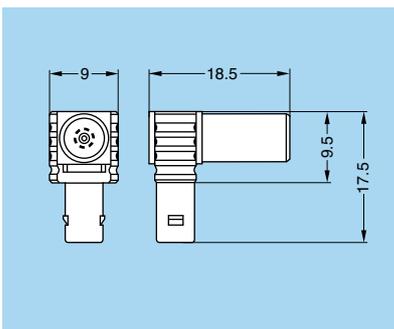
P5 Panel cut-out (page 38)

Note: the first contact type mentioned (page 7) is always the contact at the flange end.



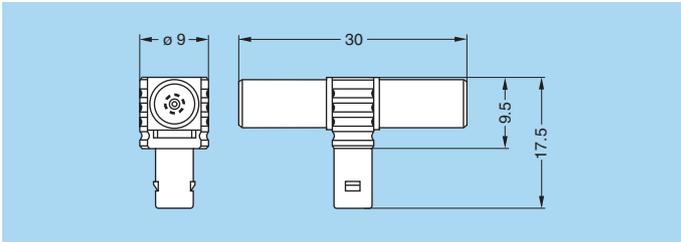
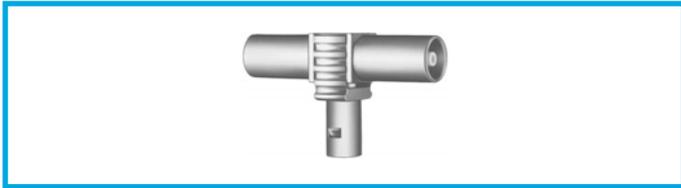
RMA Free coupler

| Part number | Weight (g) |
|----------------|------------|
| RMA.00.250.NTM | 2.7 |



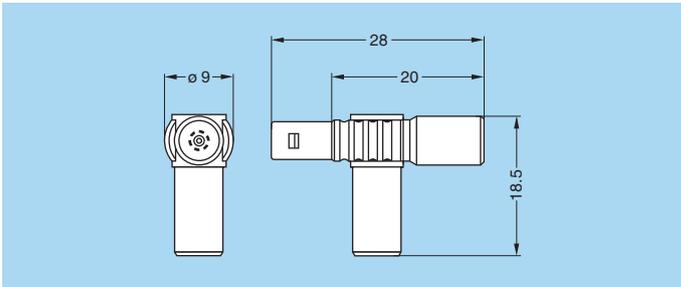
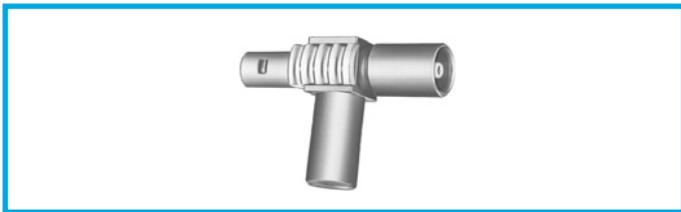
FTR Elbow plug (90°) with socket

| Part number | Weight (g) |
|----------------|------------|
| FTR.00.250.NTA | 5.4 |



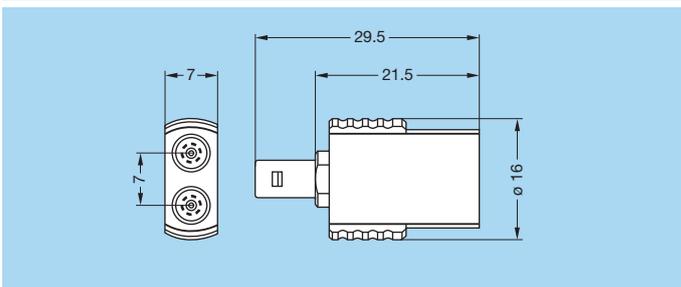
FTA T-plug with two sockets in line

| Part number | Weight (g) |
|----------------|------------|
| FTA.00.250.NTF | 7.8 |



FTL T-plug with two sockets (90°)

| Part number | Weight (g) |
|----------------|------------|
| FTL.00.250.NTF | 7.1 |



FTY Straight plug with two parallel sockets

| Part number | Weight (g) |
|----------------|------------|
| FTY.00.250.NTF | 12.5 |

Note: Test voltage: 1.1kV (rms) / IEC 60512-2 test 4a.

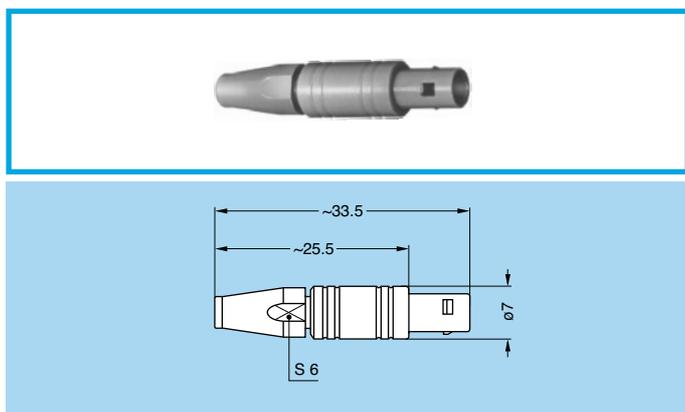
Plastic housing models

This plastic housing provides the ideal solution when the isolation of the connector is critical (non metallic). The FFA and ERN models in PEEK allow weight saving and can provide ease of use in applications such as medical electronic instrumentation.

Technical Characteristics

Mechanical and climatical

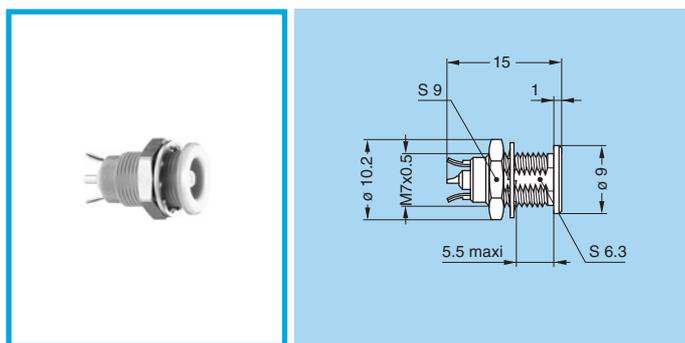
| Characteristics | Value | Standard | Test |
|--------------------------|----------------|-------------|------|
| Contact retention force | > 18 N | IEC 60512-8 | 15a |
| Cable pull off force | > 100 N | IEC 60512-9 | 17a |
| Connector pull off force | > 90 N | | |
| Endurance | > 5000 cycles | IEC 60512-5 | 9a |
| Operating temperature | - 50°C + 250°C | | |



FFA Straight plug with cable collet, PEEK outer shell

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| FFA.00.250.GTAC15 | 9 | 0.55 | 1.45 | 1.1 | 1.4 |
| FFA.00.250.GTAC17 | - | 0.55 | 1.45 | 1.3 | 1.7 |
| FFA.00.250.GTAC22 | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| FFA.00.250.GTAC27 | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| FFA.00.250.GTAC31 | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

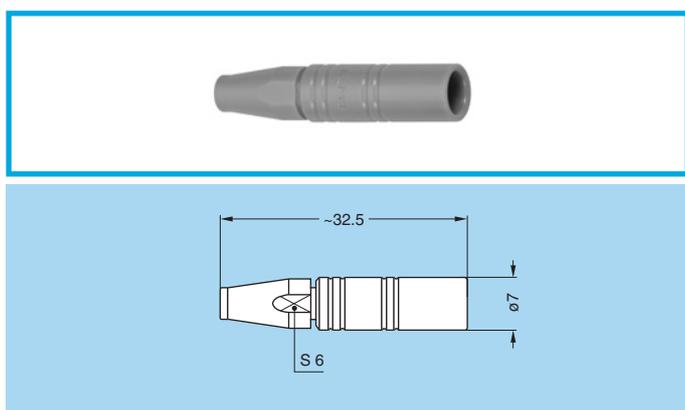
M1 Cable assembly (page 39)



ERN Fixed socket, nut fixing, with earthing tags, PEEK outer shell

| Part number | Weight (g) |
|----------------|------------|
| ERN.00.250.GTL | 1.4 |

P5 Panel cut-out (page 38)



PCA Free socket with cable collet, PEEK outer shell

| Part number | Cable group | Cond. Ø max | Dielectric Ø maxi | Sheath Ø | |
|-------------------|-------------|-------------|-------------------|----------|------|
| | | | | mini | maxi |
| PCA.00.250.GTLC15 | 9 | 0.55 | 1.45 | 1.1 | 1.4 |
| PCA.00.250.GTLC17 | - | 0.55 | 1.45 | 1.3 | 1.7 |
| PCA.00.250.GTLC22 | 1 | 0.55 | 1.95 | 1.7 | 2.1 |
| PCA.00.250.GTLC27 | 2-3-4 | 0.55 | 1.95 | 2.3 | 2.7 |
| PCA.00.250.GTLC31 | 8 | 0.55 | 1.95 | 2.8 | 3.0 |

M1 Cable assembly (page 39)

Watertight or vacuumtight models

A range of sealed sockets and couplers allows the device on which they are fitted to reach a protection index of IP68 as per IEC 60529 (unmated). They are fully compatible with plugs of the same series and are widely used for portable radios, military, laboratory equipment, aviation, etc.

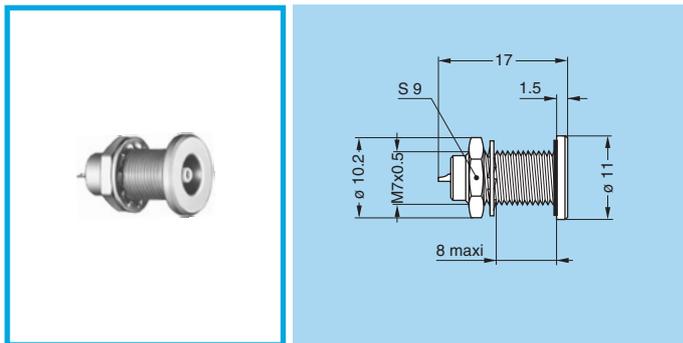
These models are identified by a letter «P» at the end of the reference for watertight model and by a «PV» for vacuumtight models. Epoxy resin or o-rings are used to seal these models.

Mechanical and climatical

| Characteristics | Value | Standard |
|--|---|----------------------|
| Endurance | > 5000 cycles | IEC 60512-5 test 9a |
| Humidity | up to 95% at 60° C | |
| Temperature range | - 20° C/+100° 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 |
| Maximum operating pressure ²⁾ | 60 bars | IEC 60512-7 test 14d |

Note:

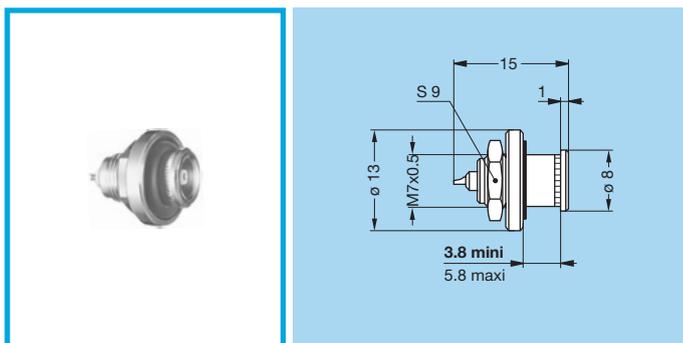
1) only for vacuumtight models.
2) this value corresponds to the maximum allowed pressure difference for the assembled socket.



HGP Fixed socket, nut fixing, watertight or vacuumtight

| Part number | Weight (g) |
|------------------|------------|
| HGP.00.250.NTLP | 4.2 |
| HGP.00.250.NTLPV | 4.2 |

P1 Panel cut-out (page 38)

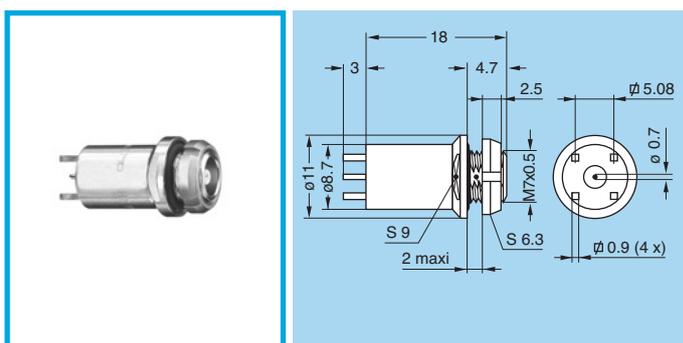


HGW Fixed socket, nut fixing, watertight with rear sealing ring

| Part number | Weight (g) |
|-----------------|------------|
| HGW.00.250.NTLP | 4.2 |

P1 Panel cut-out (page 38)

Note: Non standard, on request only

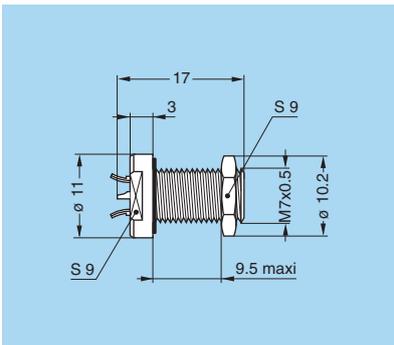


HEP Fixed socket, nut fixing, watertight for printed circuit (back panel mounting)

| Part number | Weight (g) |
|-----------------|------------|
| HEP.00.250.NTNP | 7.4 |

P5 Panel cut-out (page 38)

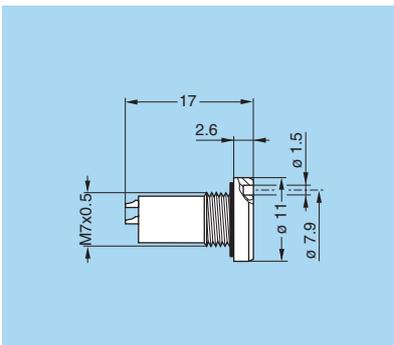
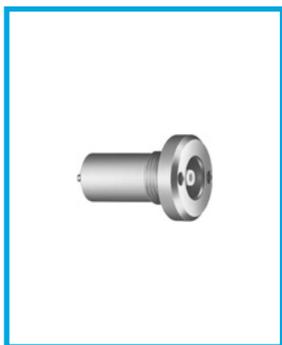
P15 PCB drilling pattern (page 38)



EWF Fixed socket, nut fixing, watertight or vacuumtight (back panel mounting)

| Part number | Weight (g) |
|------------------|------------|
| EWF.00.250.NTLP | 4.2 |
| EWF.00.250.NTLPV | 4.2 |

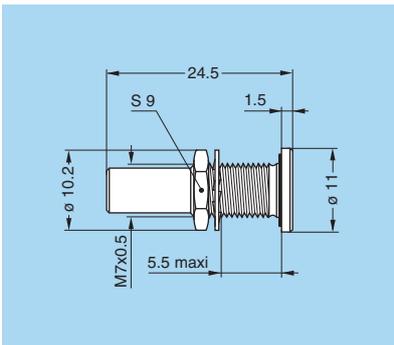
P1 Panel cut-out (page 38)



EWV Fixed socket, screw fixing, watertight or vacuumtight

| Part number | Weight (g) |
|------------------|------------|
| EWV.00.250.NTLP | 3.7 |
| EWV.00.250.NTLPV | 3.7 |

P2 Panel cut-out (page 38)

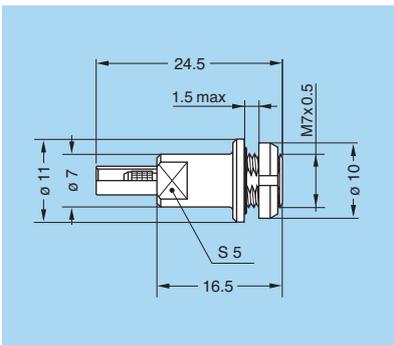


SWH Fixed coupler, nut fixing, vacuumtight

| Part number | Weight (g) |
|-----------------|------------|
| SWH.00.250.NTMV | 5.2 |

P1 Panel cut-out (page 38)

Note: this model is sealed with o-rings (no epoxy).



VPS Fixed socket, short shell, vacuumtight with cable crimping (back panel mounting)

| Part number | Cable group | Cond. Ø | | Dielectric Ø maxi | Sheath Ø maxi |
|-------------------|-------------|---------|------|-------------------|---------------|
| | | mini | maxi | | |
| VPS.00.250.CTLE31 | 3-4 | 0.46 | 0.55 | 1.65 | 3.0 |

P1 Panel cut-out (page 38)

Cable assembly, please contact customer service