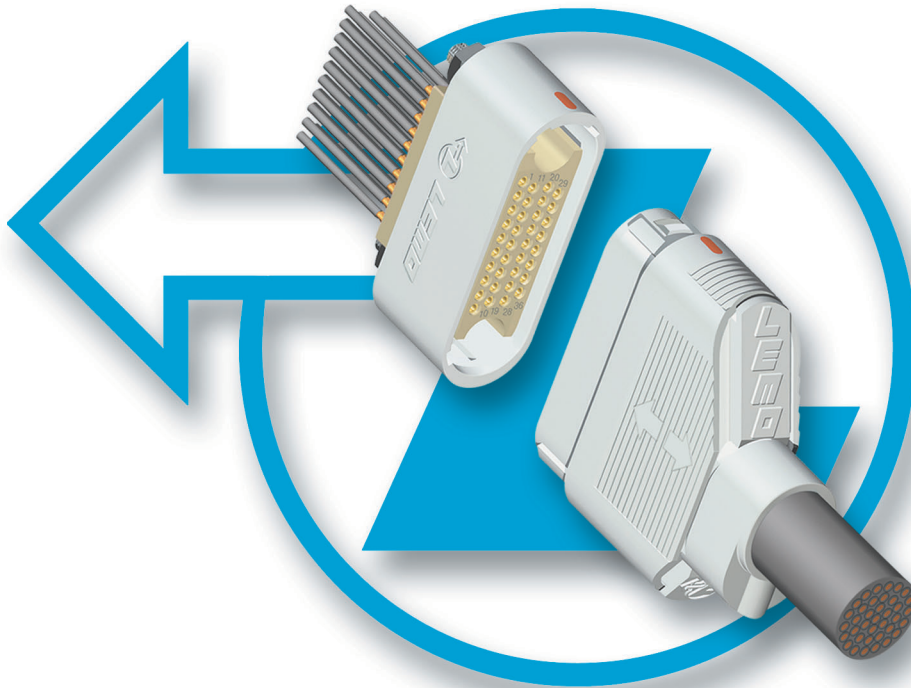
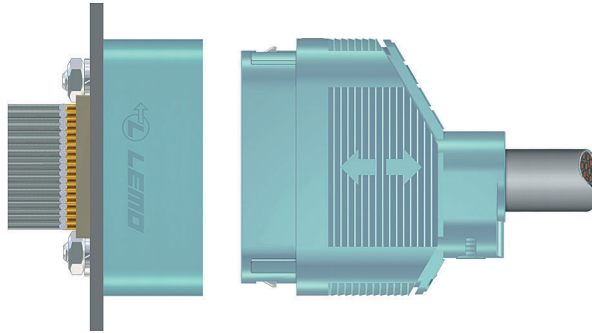


NEW



0R - 1R Series

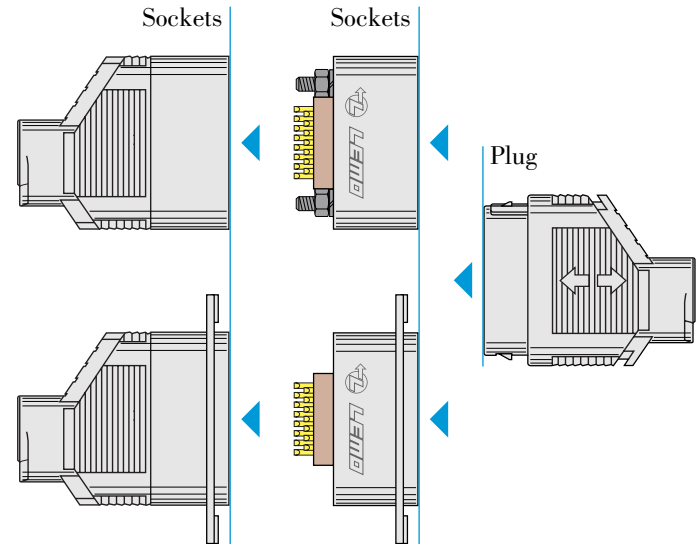


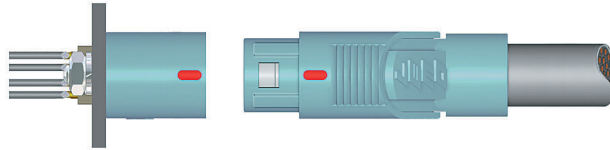
General characteristics

0R and 1R series connectors provide the following main features:

- Security of the Push-Pull LEMO self-latching system
- Housing of composite material, available in four colours and in metallized version
- Two keying systems G and A
- High packing density
- Solder, crimp and print contacts

Interconnections



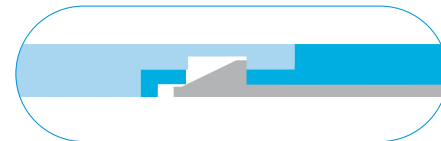


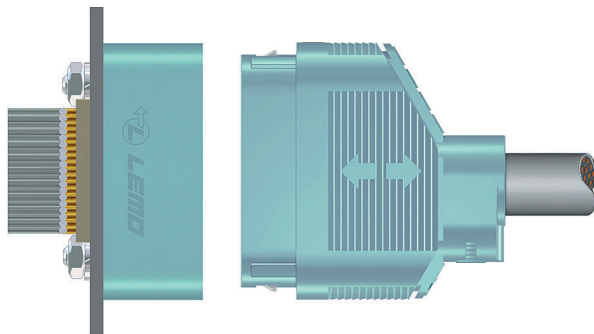
Push-Pull Self-latching Connection System

The plug and the socket can be mated by simply pushing axially the outer shell of the plug.

Pulling on the cable or any other component of the plug than the outer release sleeve cannot break the connection.

The connector can be unmated by a single axial pull on the plug outer release sleeve.










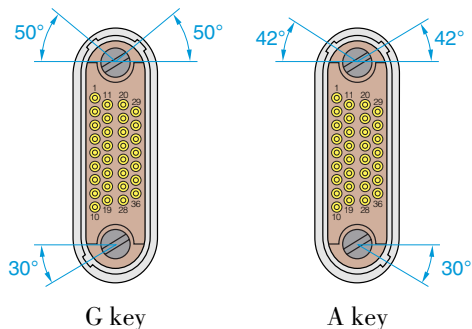
Outer shell

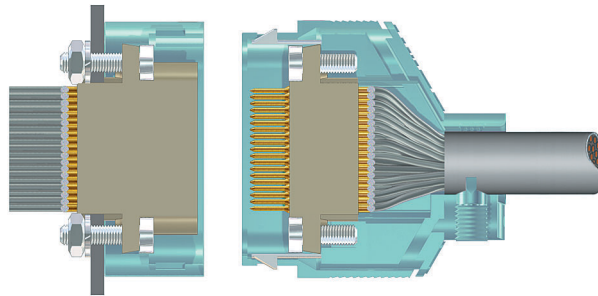
Material and characteristics

- Outer shell of polyarylamide IXEF, reinforced fibreglass material, the mechanical characteristics of which are comparable to light metal alloys. Available in four colours RAL and in metallic version, with electromagnetic interference protection:

-  grey (RAL 7035) standard
-  blue (RAL 6034)
-  green (RAL 6019)
-  ochre (RAL 1017)
-  nickel (MIL-C-26074C)

- Two keying systems (key G or A) prevent unwanted cross mating of otherwise similar connectors used in different applications.
- Cu-Be latch sleeve (UNS C 17300) surface treatment Cu+Ni+Cr (FS QQ-C-320B)

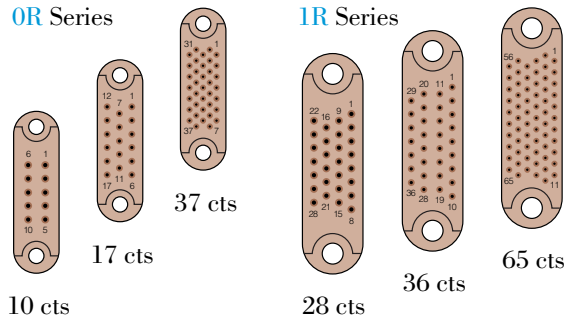


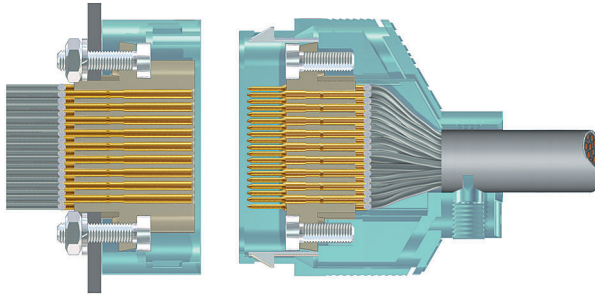


Insulators

Types, material and characteristics

- OR Series: 10, 17 and 37 contacts
- IR Series: 28, 36 and 65 contacts
- Plastic material used for manufacturing insulators is selected according to the required electric and thermal properties. The thermoplastic used is PEEK (Polyether-Ethercetone) with the addition of glass fibres to improve mechanical characteristics and to increase dielectric strength.

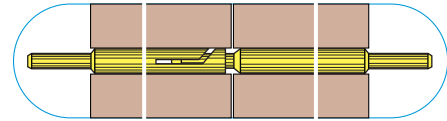
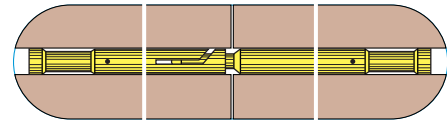
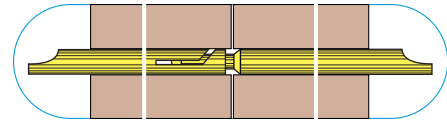


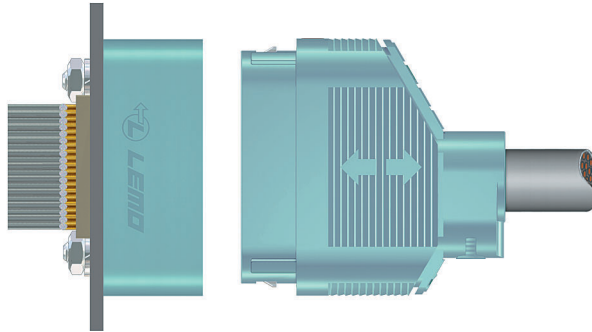


Contacts

Types, material and characteristics

- Solder, crimp and print contacts
- **OR Series:** 10 contacts \varnothing 0.9 for max. AWG 22
17 contacts \varnothing 0.7 for max. AWG 22
37 contacts \varnothing 0.5 for max. AWG 28
- **1R Series:** 28 contacts \varnothing 0.9 for max. AWG 22
36 contacts \varnothing 0.7 for max. AWG 22
65 contacts \varnothing 0.5 for max. AWG 28
- Male contacts: brass (UNS C 34500),
Surface treatment: Cu+Ni (MIL-C-26074C)+Au (ISO 4523)
- Female contacts: bronze (UNS C 54400),
Surface treatment: Cu+Ni (MIL-C-26074C)+Au (ISO 4523)

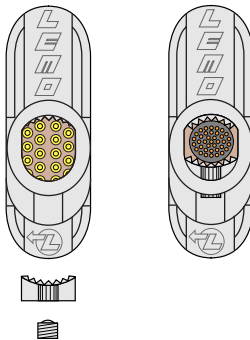




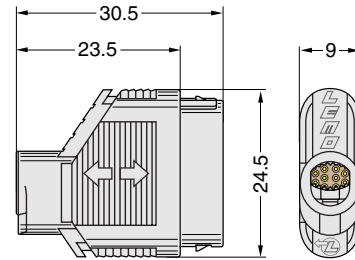
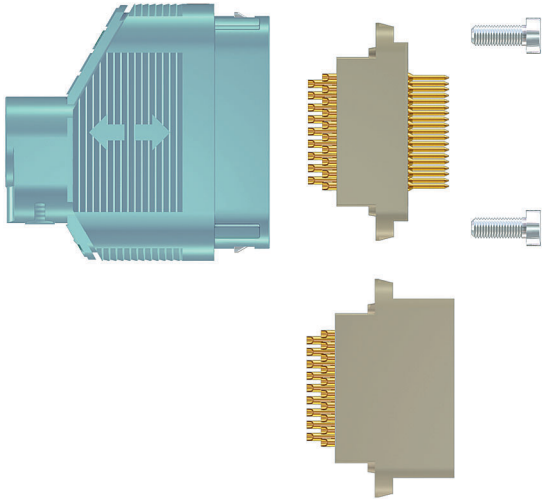
Cable clamping

Characteristics

- This simple and efficient clamping type guarantees very strong cable retention force, both in the longitudinal direction (300 N) and the sense of rotation (0.6 Nm).
- Maximum acceptable cable diameter:
OR Series: \varnothing 6.2 mm
IR Series: \varnothing 9.2 mm

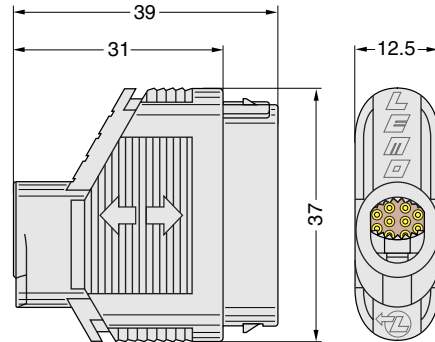


Straight plug (key G and A) and cable collet

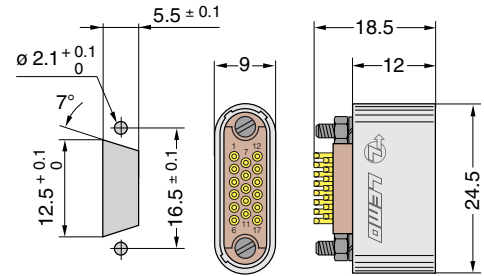
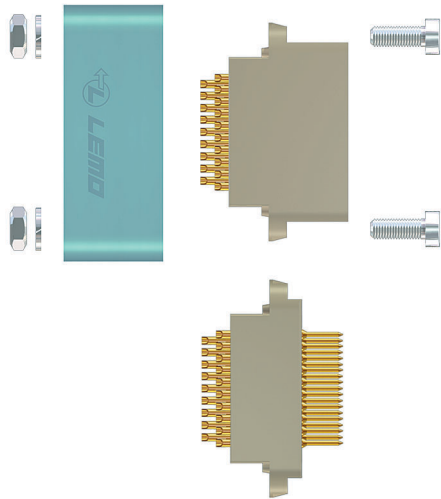


OR Series

1R Series

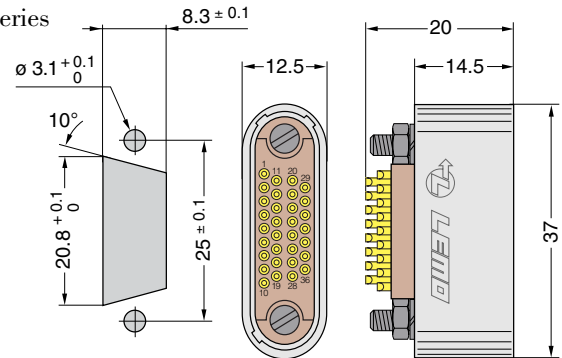


Fixed socket (key G and A) with protruding shell

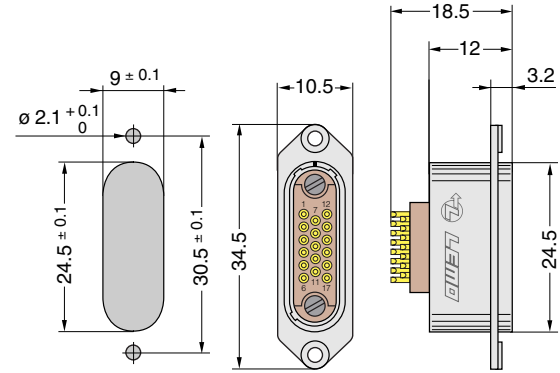
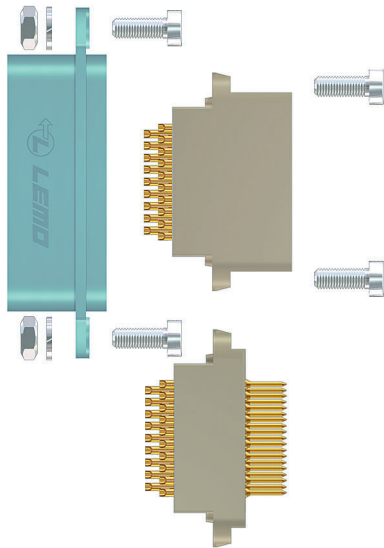


OR Series

IR Series

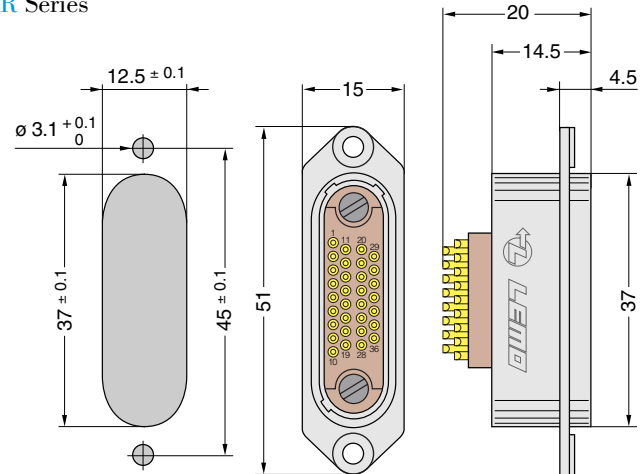


Fixed socket (key G and A) with flange

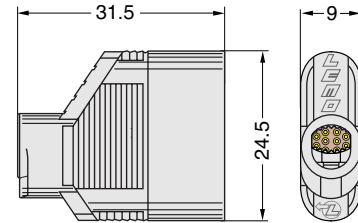
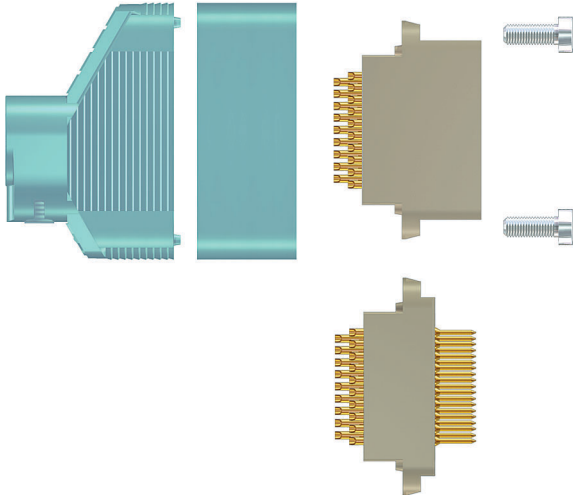


OR Series

IR Series

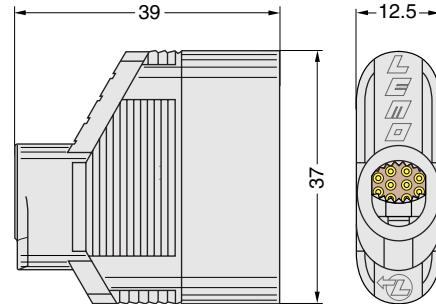


Free socket (key G and A)
with protruding shell and cable collet

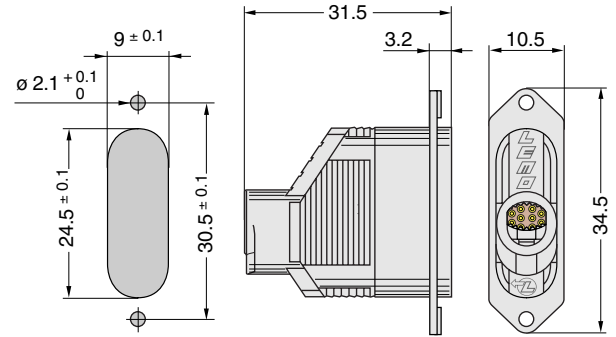
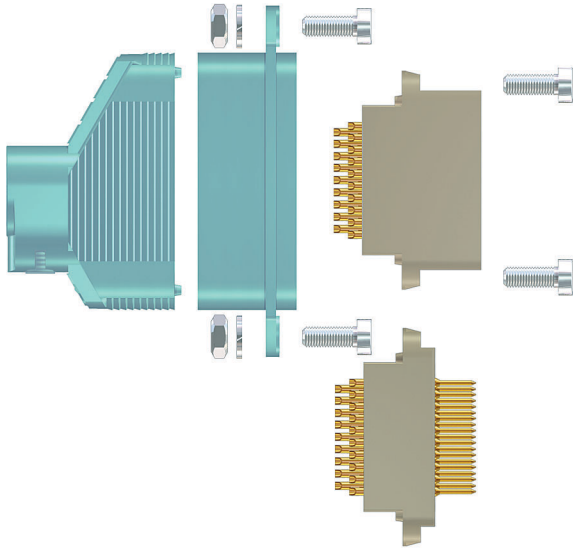


OR Series

IR Series

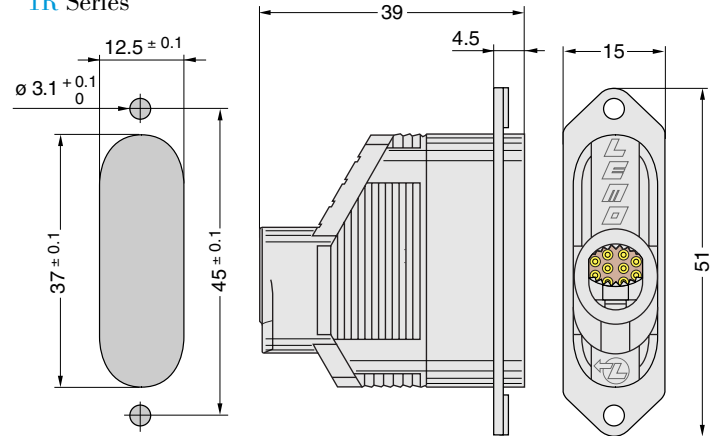


Fixed socket (key G and A) with flange and cable collet

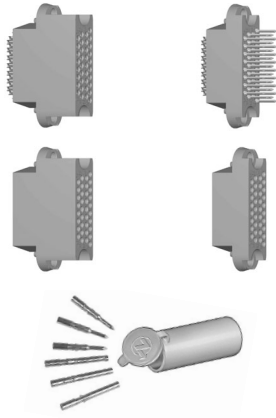


OR Series

1R Series



Accessories



Insulators + solder contacts

Insulators for crimp contacts

Crimp contacts

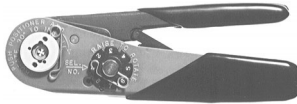


Kit for cable clamping

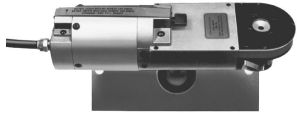


Kit for fixing fixed and free sockets

Tooling



Manual crimping tools



Pneumatic crimping tools



Positioners for crimping tools



Extraction tools for crimp contacts



Cable clamping tool

Production programme

Connectors

- Unipole from 2 to 150 Amps
- Coaxial 50 and 75 Ω , 50 Ω (NIM-CAMAC)
- Coaxial 50 Ω for frequency up to 12 GHz
- Multicoaxial 50 and 75 Ω
- Mixed Coax + LV
- Multipole from 2 to 106 contacts
- High Voltage 3, 5, 8, 10, 15, 30 and 50 kVcc
- Multi High Voltage 3, 5, and 10 kVcc
- Mixed High Voltage (HV) + Low Voltage (LV)
- Triaxial 50 and 75 Ω
- Mixed Triax + LV
- Quadrax
- For thermocouple and multithermocouple
- For fibre optic singlemode and multimode
- Mixed Fibre Optic + LV (HDTV)
- Mixed Fibre Optic + Coax + LV
- Fluidic and Multifluidic
- Mixed fluidic + LV
- Subminiature and Miniature
- Remote handling



Patch Panels

- Watertight
- Sealed pressure or vacuum
- For very high pressure (screw-fixing)
- Brass chrome-plated or nickel-plated outer shell
- Anodized aluminium outer shell
- Stainless steel outer shell
- Plastic outer shell
- Radiation resistant insulator
- Solder, crimp and print contacts
- 1 or 2 units patch panel
- With triax or 3 contacts connectors (audio-mono)
- With quadrax or 6 contacts connectors (audio-stereo)
- With coax 75 Ω connectors (video)
- With 3 Coax RGB 75 Ω connectors (HDTV)
- With fibre optic monomode or multimode connectors
- Bridge plug for audio and video
- On BNC, C, UHF, N, TNC, SMA connectors

Adaptors Accessories Tooling



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