

Screw coupling watertightness connectors

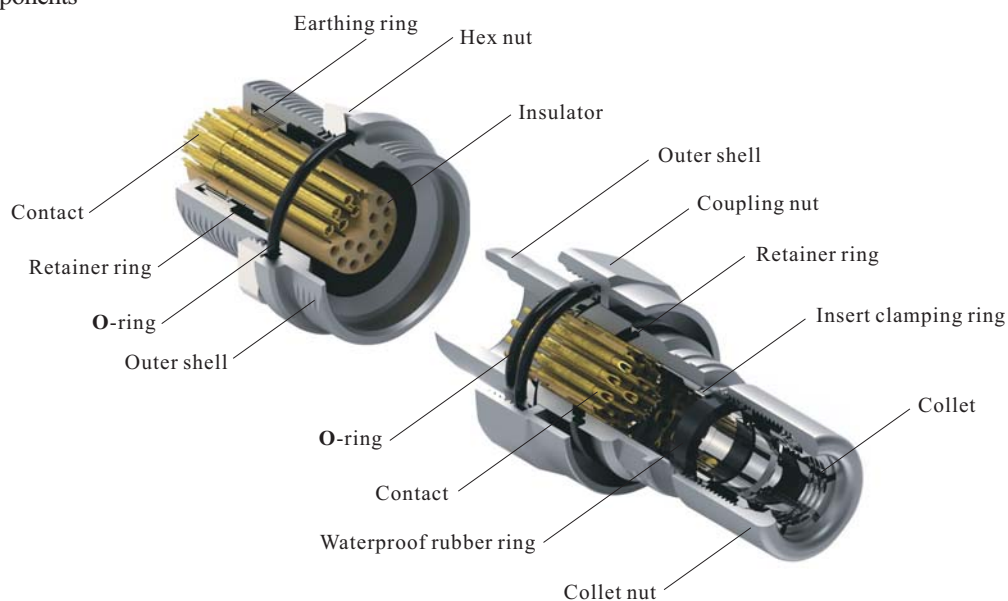
Alignment key, working pressure that can exceed 30 bars in mated conditions



IP68



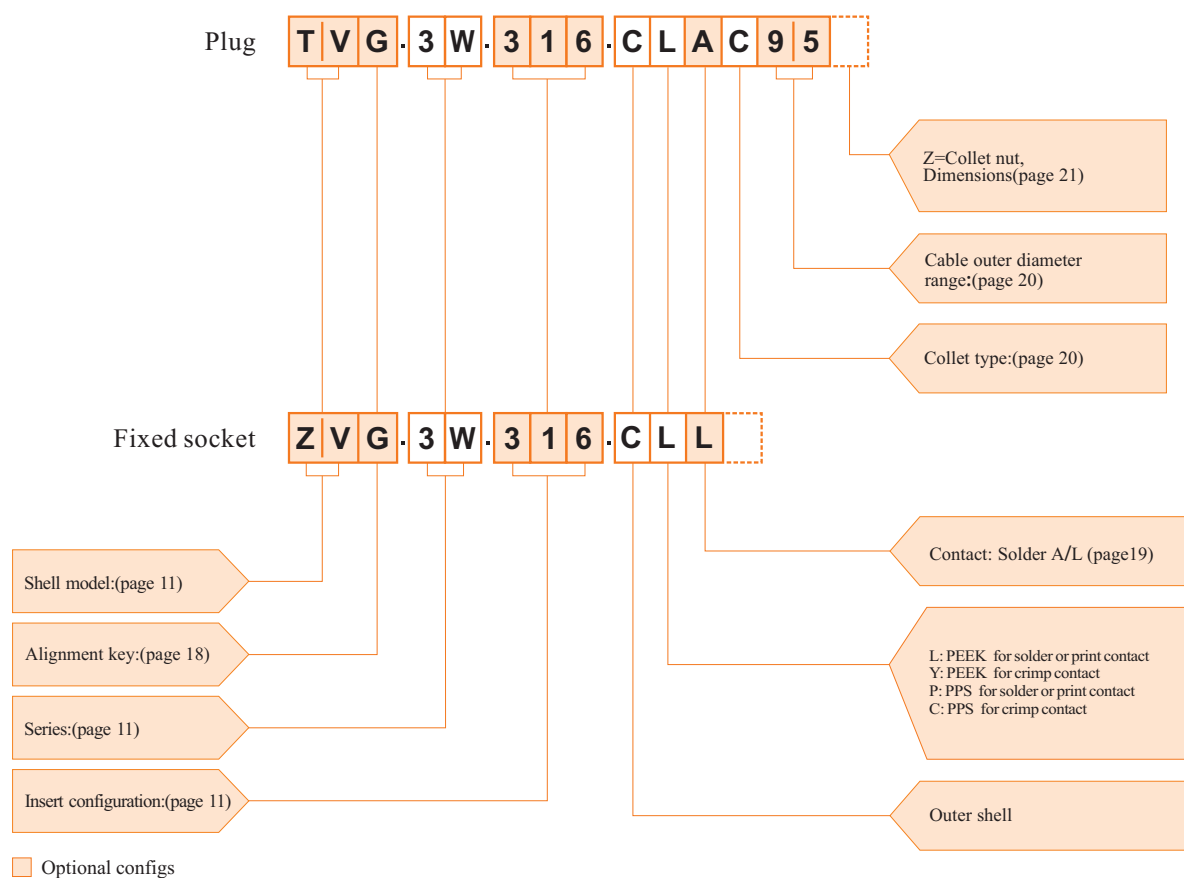
Part Section Showing Internal Components



Material and spec

Specifications	W Series connector	
Coupling	Screw coupling connectors	
Shell	Outer shell in chrome-plated brass	
Insert material	PEEK	PPS
Contact material	Brass with gold plating	
IP rating	IP68 (mated)	
Mating cycle	> 1000	
Temperature range	-20°C~+200°C	
Insulation impedance	≥100MΩ	
Shielding efficiency	at 10MHz>95dB/at 1GHz>80dB	
Salt spray test	> 144 hrs	> 48 hrs
Resistance to hydrostatic pressure (mated):	~30bars	

Part Numbering System



TVG.3W.316.CLAD95 = straight plug with key (G) and cable collet, 3W series, multipole type with 16 contacts, outer shell in chrome-plated brass, PEEK insulator, male solder contacts, C type collet for 9.1mm-9.5mm diameter cable.

ZVG.3W.316.CLL = fixed socket, nut fixing, with key (G), 3W series, multipole type with 16 contacts, outer shell in chrome-plated brass, PEEK extended insulator, female crimp contacts.

Technical drawing of a straight plug assembly. The drawing shows a side view of the assembly with the following dimensions and labels:

- Overall length: 61.5 REF
- Distance from front face to key: 48 REF
- Key width: 16.5
- Front diameter: $\varnothing 27.8$
- SW26 label pointing to the front part of the plug.
- SW15 label pointing to the cable collet on the right.
- Right diameter: $\varnothing 17$

→ **TVG**

Straight plug, key(G), cable collet

Technical drawing of a straight plug assembly with a bend relief nut. The drawing shows a side view of the assembly with the following dimensions and labels:

- Overall length: 60.5 REF
- Distance from front face to key: 47 REF
- Key width: 16.5
- Front diameter: $\varnothing 27.8$
- SW26 label pointing to the front part of the plug.
- SW15 label pointing to the cable collet on the right.
- Right diameter: $\varnothing 17$

→ **TVG**

Straight plug, key(G), cable collet and nut for fitting a bend relief

Note: The bend relief must be ordered separately(page 21)

Technical drawing of a fixed socket assembly. The drawing shows a side view of the assembly with the following dimensions and labels:

- Overall length: 34.8
- Distance from front face to key: 9.5
- Front diameter: $\varnothing 26.6$
- Thread: M24X1.0
- SW22.5 label pointing to the front part of the socket.
- SW18.5 label pointing to the key.
- SW24 label pointing to the nut.
- Distance from front face to nut: 13maxi
- Right diameter: $\varnothing 27$
- Thread: M20X1.0

→ **ZVG**

Fixed socket, nut fixing, key(G)

Note: Panel cut-out, nut fixing torque, (page 21)

- P01-11 | WEIPU
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