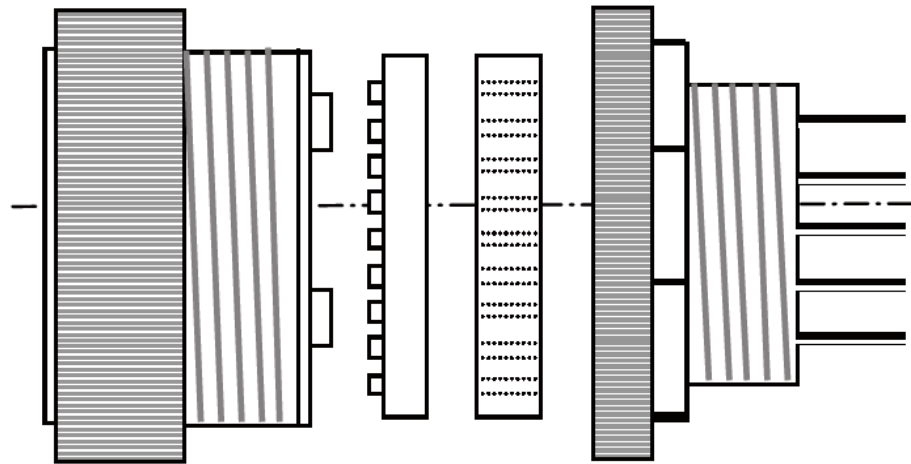


Assembly Instructions

16-pole Connector

not suitable for SEAL



Single Parts

The plug or the socket comprises the according housing box, a seal (silicon 30 Shore), a pressure plate and an adapter for corrugated tubes. The connector can be allocated either with pin contacts or jack contacts, depending on the type of housing. There are 12 contacts \varnothing 1.6 mm and 4 contacts \varnothing 3.5 mm. Correct assembly ensures IP 67. All displayed parts have to be assembled correctly in the stated order.

Assembly

Wire Insertion

The wires are carried through the cavities in the seal puncturing the nubs. The wires must not be bared and crimp contacts must not be applied to avoid damaging of the seal. This is important to provide leak tightness in assembled status. The nubs of the seal have to point to the plug or the socket. A clear coding avoids wrong assembly. The wires are stripped and crimp contacts are applied. Usable wire cross-sections are listed in the part overview on page 1 of this document.

Final Assembly

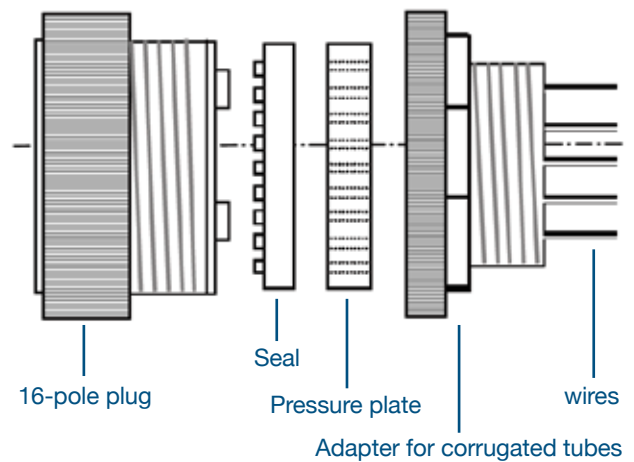
After allocation of the connector housing with pin contacts or jack contacts the seal is pressed on the back of the housing as plane as possible. The pressure plate is assembled. It can be positioned in one dedicated direction only. Finally the adapter for corrugated tubes is screwed on. Ensure the usage of a proper tool with width across flats 32 mm and the application of a tightening torque in the range of 2 to 4 Nm. A center ring for pin contacts can be used optionally before the connection of plug and socket.

Part Overview

Designation	Part no.
16-pole plug-pin box	7811160
16-pole socket-jack box	7812167
16-pole plug-jack box	7812162
16-pole socket-pin box	7811163
Seal for plug or socket	7810164
Pressure plate for plug or socket	7810394
Center ring for pin contacts (optional)	7810400
Adapter for plug or socket NW 22	7807163
Jack contact Ø 1.6 mm 0.5 – 1.0 mm ²	7814009
Jack contact Ø 3.5 mm > 1.0 – 2.5 mm ²	7814011
Buchsenkontakt Ø 3,5 mm > 1,0 – 2,5 mm ²	7702957
Jack contact Ø 3.5 mm > 2.5 – 6.0 mm ²	7814038
Pin contact Ø 1.6 mm 0.5 – 1.0 mm ²	7815016
Pin contact Ø 1.6 mm > 1.0 – 1.5 mm ²	7815018
Pin contact Ø 3.5 mm > 1.0 – 2.5 mm ²	7702949
Pin contact Ø 3.5 mm > 2.5 – 6.0 mm ²	7815034

Schematic View

Analogue assembly of socket



The Schlemmer Group is a global technology expert, which has focused on the development and production of industrial solutions, including the area of sensitive electrical installations. Drawing on 60 years of experience in cable protection, the Group has evolved into a leading

and comprehensive value added supplier. In addition to the traditional business segment Automotive, the Schlemmer Group operates in numerous other industries with its business segments Industry and Appliances.

Any questions left?

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