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 Ø 1.6 mm and 4 contacts Ø 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.
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