

9316 Series

*Optical & Hybrid Dry Mate Connector
Underwater Applications*

● Technical Characteristics

Electrical

Number of Contacts : up to 12

Withstanding Voltage :

Service 1 : 1500 V A.C. / Service 2 : 2300 V A.C.

Service Voltage :

Service 1 : 250 V A.C. / Service 2 : 650 V A.C.

Insulation Resistance : > 5000 M Ω at 25°C and 65% relative humidity

Maximum current rating per contact : 17 A max (AWG #12)

Optical

Multimode or Single mode Fiber

Number of Contacts : up to 12

Insertion Loss : 0.5 dB typical

Back Reflection : -40 dB (single mode)

Materials

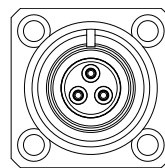
Operating Temperature : -55°C to +85°C

Shell Material : Stainless steel AISI 316 L passivated

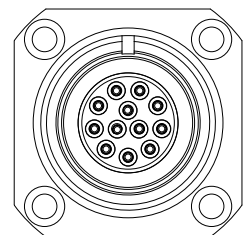
Pressure : up to 150 bars (depending on cable termination)

Endurance : 500 mating and unmating cycles

● Arrangements

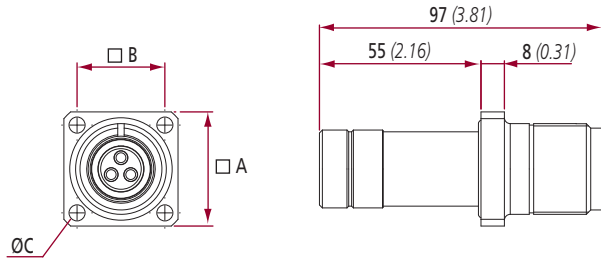


12-93
3 contacts size 12
Service 2



37-3
12 contacts size 12
Service 1

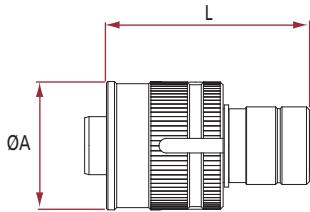
● Receptacle - Dimensions & Part Numbers



Part Numbers	Arrangements	A	B	ØC
9316-25A 12-93 PN 090	12-93	39 (1.53)	30 (1.18)	5.5 (0.22)
9316-25A 37-3 PN 090	37-3	57 (2.24)	44 (1.73)	6.5 (0.25)

mm / (inch)

● Plug - Dimensions & Part Numbers



Part Numbers	Arrangements	A	L
9316-17A 12-93 SN 090	12-93	44.20 (1.74)	77 (3.03)
9316-17A 37-3 SN 090	37-3	59.20 (2.33)	77 (3.03)

mm / (inch)

DEUTSCH OFFSHORE

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DEUTSCH reserves the right to alter the specifications of the products described in this brochure without prior notice.
 Overall dimensions and specifications are given for guidance only. For further details, please contact us.