A PERFECT ALLIANCE.

ODU MINI-MED®

The overmolded connector for measuring and testing, industrial and medical devices.

MINI OVERMOLDED CONNECTOR

ODU MINI-MED®

ASSEMBLED PLASTIC CONNECTORS

A PERFECT ALLIANCE.

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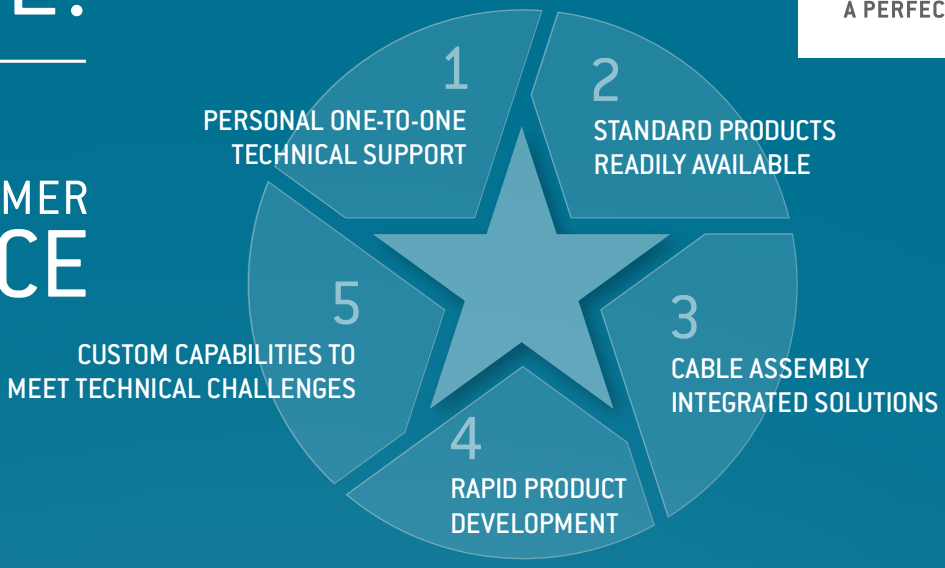
ODU 5 STAR CUSTOMER EXPERIENCE



ODU GROUP OVERVIEW

- More than 80 years of experience in connector technology
- Over 2,300 employees worldwide
- 10 sales subsidiaries in China, Denmark, France, Germany, Italy, Japan, Korea, Sweden, the UK and the US as well as 5 production and logistics sites
- All technologies under one roof: Design and development, machine tool and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly

We operate in the following markets: medical, military and security, test and measurement, industrial, energy, and automotive / emobility

As of February 2019

CERTIFIED QUALITY

- ISO 9001
- IATF 16949
- ISO 13485
- ISO 14001
- ISO 50001
- Wide range of UL, CSA, VG and VDE licenses
- UL certified cable assembly

For a complete list of our certifications, please visit our website.

www.odu-usa.com

ODU MINI-MED®

SMALL – LIGHT – ASSEMBLED

GOOD GRIP

BLIND MATING

AUDIBLE LOCKING

SPACE-SAVING

PLUG AND CABLE ASSEMBLY FROM A SINGLE SOURCE

THE ODU MINI-MED® – THE PERFECT CHOICE

This assembled plastic connection will always come in handy when a light, space-saving and watertight cable assembly is required. The ODU MINI-MED can be easily mated and has a break-away function to ensure the quick disconnection of plug and in-line receptacle or receptacle.
This solution offers safe, hassle-free use in fields with hygiene requirements, such as in medical technology. The compact MINI-MED connection can also be used in the industrial electronics or measuring and testing.

IMPRESSIVE – THE ODU MINI-MED®

- 2 to 6 contacts
- >1,000 mating cycles
- IP 67 protection class when mated
- Gold plated contacts with soldered connection
- DEHP-free
- Assembled with PVC cable* (white)
- Available in these cable lengths: 0.5m / 5.0m
- PVC cable operating temperature: -15°C to +80°C
- Break-away function

*Silicone cable (grey) upon request.

APPLICATION OPTIONS

MEDICAL

- Portable patient monitor
- Infusion device
- Insulin pump
- Catheter system
- Blood pressure monitor

INDUSTRIAL

- Handset pad
- E-bikes
- High-tech street lights
- Fitness and wellness machines
- Barcode scanner

Assembled connector
as customer-specific solution

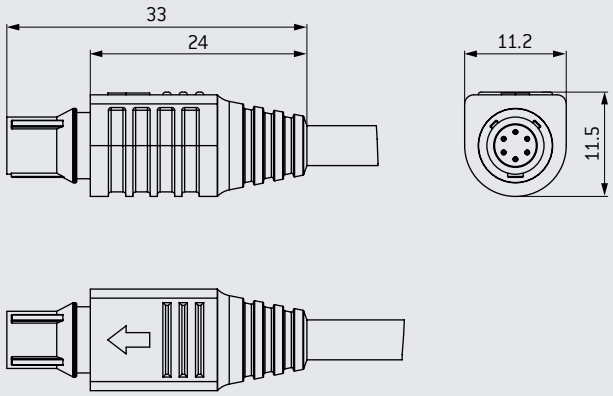
© Heinzmann®

MEASURING AND TESTING

- Conductometer
- I/O connection
- Measuring sensor

© Metrohm AG

BREAK-AWAY PLUG (including cable, cable assembly and overmolding)

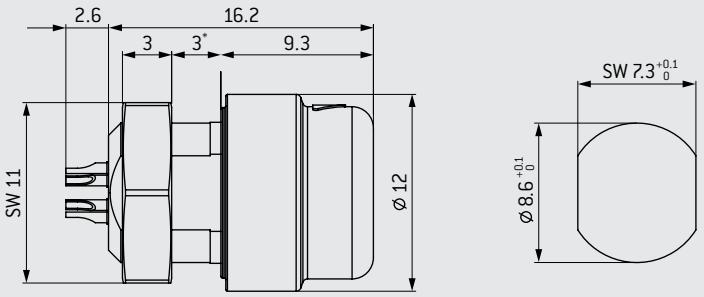


All dimensions in mm.

Number of contacts	Cable length		Cable diameter	Termination cross-section	
	0.5 m	5 m	mm	AWG	mm²
2	C00.707.100.020.013	C00.707.100.020.018	4.1	22	0.38
3	C00.707.100.030.013	C00.707.100.030.018	4.6	22	0.38
4	C00.707.100.040.013	C00.707.100.040.018	4.1	26	0.14
5	C00.707.100.050.013	C00.707.100.050.018	4.4	26	0.14
6	C00.707.100.060.013	C00.707.100.060.018	4.4	28	0.08

Cable type: PVC. Silicone cable upon request.

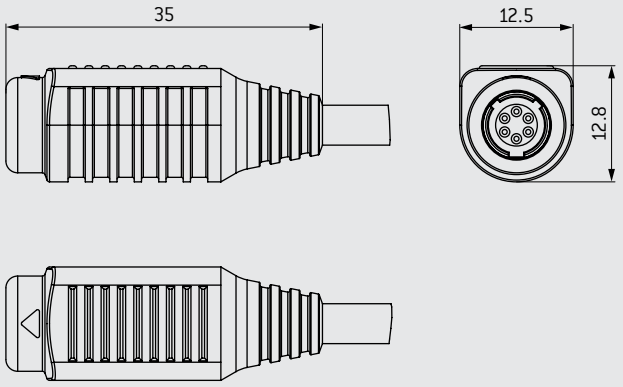
RECEPTACLE



All dimensions in mm.

Number of contacts	Part number	Termination cross-section	
		AWG	mm²
2	756.199.404.000.000	22	0.38
3	756.199.403.000.000	22	0.38
4	756.199.402.000.000	26	0.14
5	756.199.401.000.000	26	0.14
6	756.199.400.000.000	28	0.08

IN-LINE RECEPTACLE (including cable, cable assembly and overmolding)



All dimensions in mm.

Number of contacts	Cable length		Cable diameter	Termination cross-section	
	0.5 m	5 m	mm	AWG	mm²
2	C00.707.100.020.019	C00.707.100.020.024	4.1	22	0.38
3	C00.707.100.030.019	C00.707.100.030.024	4.6	22	0.38
4	C00.707.100.040.019	C00.707.100.040.024	4.1	26	0.14
5	C00.707.100.050.019	C00.707.100.050.024	4.4	26	0.14
6	C00.707.100.060.019	C00.707.100.060.024	4.4	28	0.08

Cable type: PVC. Silicone cable upon request.

CONTACT CONFIGURATION

Number of contacts	Contact diameter	Single contact nominal current acc. IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)	Clearance and creepage distance acc. IEC 60664-1:2007 (VDE 0110-1:2008)	Test voltage acc. SAE AS 13441:2004 method 3001.1	Termination cross-section		View on termination area	
	mm	A	mm	V	AWG	mm²	Pin piece	Socket piece
2	0.9	8	0.9	875	22	0.38		
3	0.9	8	0.7	875	22	0.38		
4	0.7	4	0.7	875	26	0.14		
5	0.7	4	0.6	750	26	0.14		
6	0.5	3	0.7	750	28	0.08		

MATERIALS AND SURFACES

Component	Material designation	Surface
Outer housing	PA	
Contact pin / socket (solder)	Cu-alloy	Au
Inner housing	PC	
Overmold	TPU	
Cable	PVC*	
Nut	Cu-alloy	Ni

*Silicone cable upon request.

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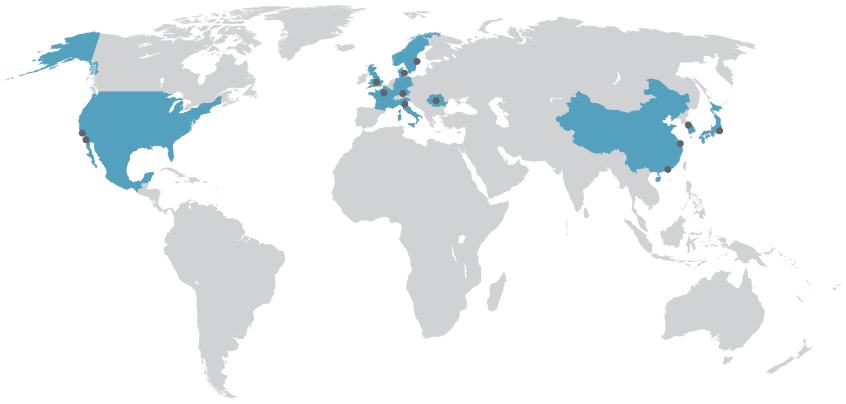
ODU GROUP WORLDWIDE



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Mexico	ODU Mexico Manufacturing S.R.L. de C.V.
Romania	ODU Romania Manufacturing S.R.L.
USA	ODU North American Logistics

Further information and specialized representatives can be found at:
www.odu-usa.com/contact

Simply scan the QR code to download the entire brochure.

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