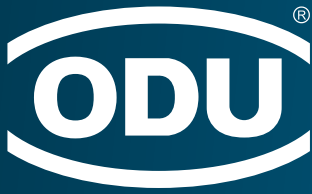


# ODU MINI-MED<sup>®</sup>

HDMI     
ODU HIGH SPEED DATA TECHNOLOGY



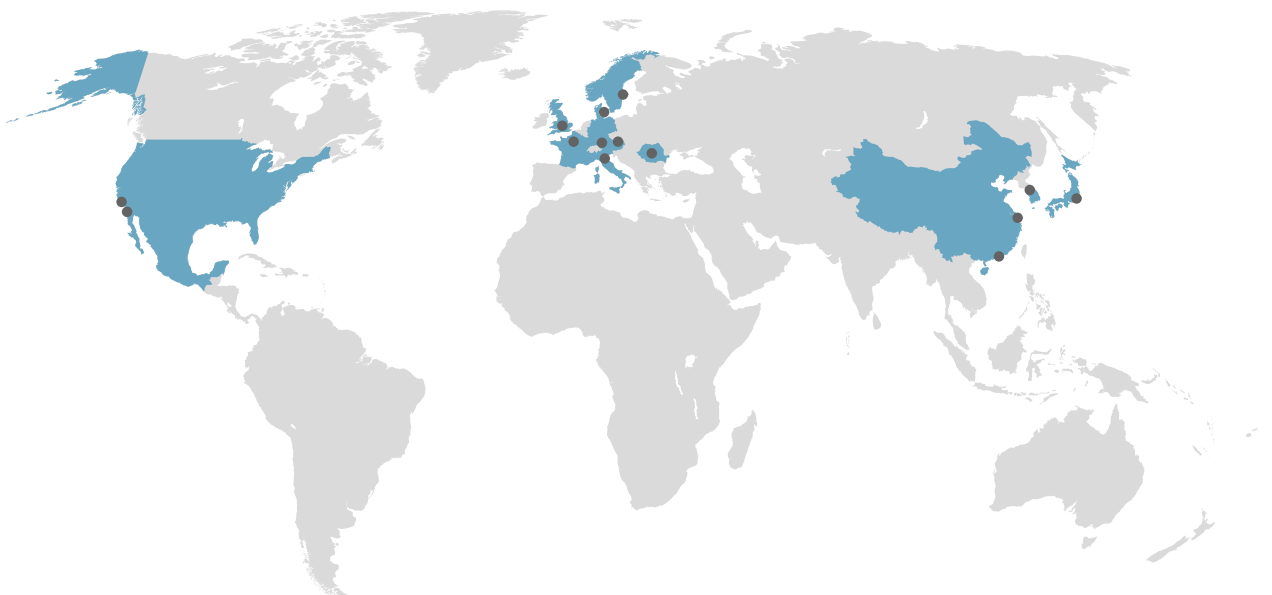


## ODU group overview

- 80 years of experience in connector technology
- 2,700 employees worldwide
- Sales subsidiaries in Germany, Austria, China, Denmark, France, Hong Kong, Italy, Japan, Korea, Sweden, UK and the US as well as 5 production and logistics sites
- All technologies under one roof: Design and development, machine tooling and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly

As of February 2024

## Worldwide customer proximity





## Certificates & approvals

- ISO 9001
- IATF 16949
- ISO 13485
- ISO 14001
- ISO 50001
- Wide range of UL, CSA, VG and VDE approvals
- UL Wiring Harnesses certified

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

## ODU serves the markets



# ODU MINI-MED<sup>®</sup>

SMALL – LIGHT – ASSEMBLED



GOOD  
GRIP



BLIND  
MATING



AUDIBLE  
LOCKING



SPACE-SAVING



PLUG AND CABLE ASSEMBLY  
FROM A SINGLE SOURCE

## THE ODU MINI-MED<sup>®</sup> – 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<sup>®</sup> 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 high hygiene requirements, such as in medical technology. The compact MINI-MED<sup>®</sup> connector can also be used in the industrial electronics or measurement and testing.

### ⊕ IMPRESSIVE – THE ODU MINI-MED<sup>®</sup>

- 2 to 6 contacts
- >1,000 mating cycles
- IP67 protection class when mated
- Gold plated contacts with soldered connection
- EtO sterilizable
- DEHP-free
- Assembled with PVC cable\* (white)
- Available in these cable lengths:  
0.5 m / 5 m
- (PVC cable) operating temperature:  
-15°C to +80°C
- Break-away function

\*Silicone cable (Gray) upon request.

## APPLICATION OPTIONS

### MEDICAL

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



### TEST AND MEASUREMENT

- + Conductometer
- + I/O connection
- + Measuring sensor

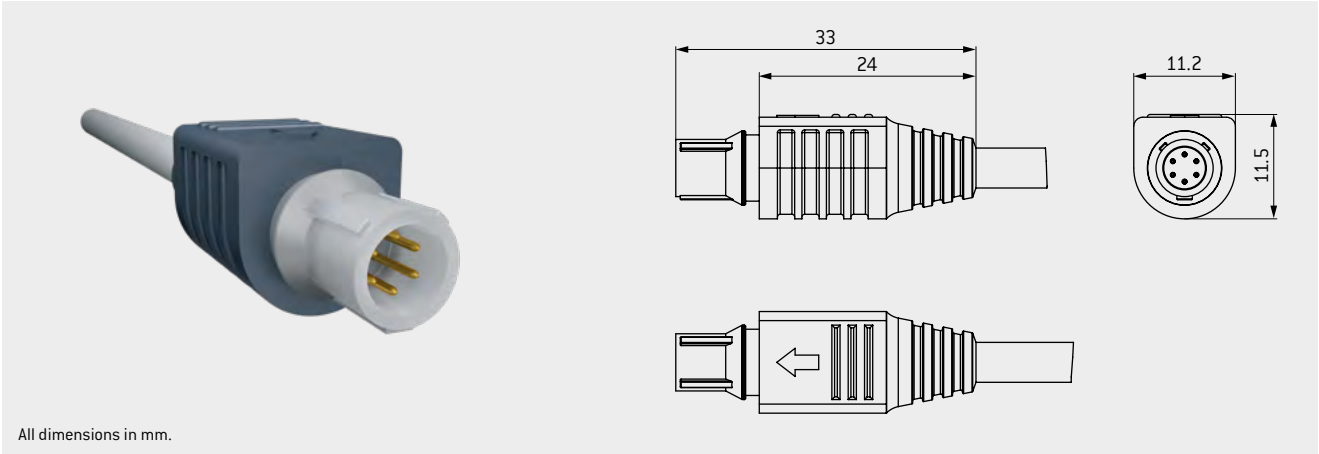


### INDUSTRIAL AND MORE

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



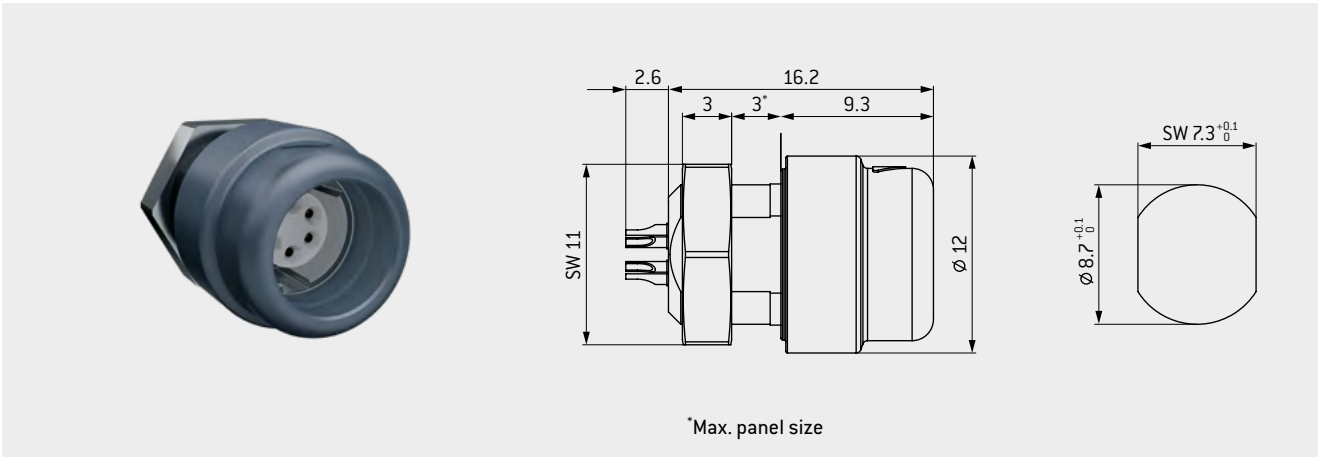
BREAK-AWAY PLUG (including cable, cable assembly and overmolding)



Number of contacts	Cable length		Cable diameter	Termination cross-section	
	0.5 m	5 m		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

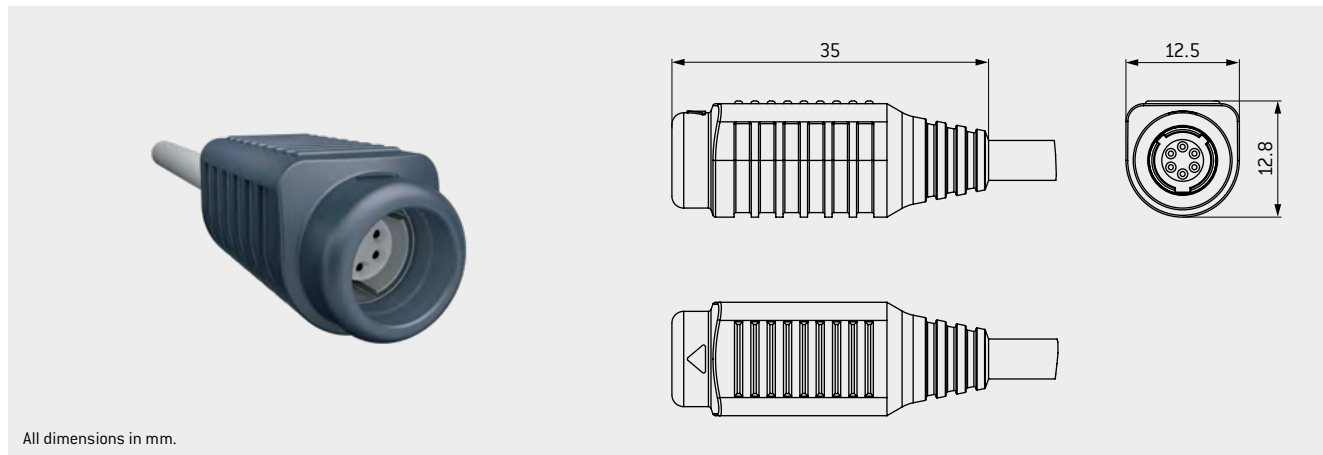
Cable type: PVC. Silicone cable upon request.

RECEPTACLE (with integrated panel sealing)



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)



Number of contacts	Cable length		Cable diameter mm	Termination cross-section	
	0.5 m	5 m		AWG	mm <sup>2</sup>
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] A	Clearance and creepage distance acc. IEC 60664-1:2007 (VDE 0110-1:2008) mm	Test voltage acc. SAE AS 13441:2004 method 3001.1 V	Termination cross-section		View on termination area	
	mm				AWG	mm <sup>2</sup>	Pin piece	Socket piece
2	0.9	7.5	0.9	875	22	0.38		
3	0.9	7.5	0.7	875	22	0.38		
4	0.7	5.0	0.7	875	26	0.14		
5	0.7	5.0	0.6	750	26	0.14		
6	0.5	4.0	0.7	750	28	0.08		

## MATERIALS AND SURFACES

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

\*Silicone cable upon request.



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