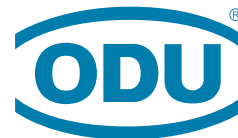


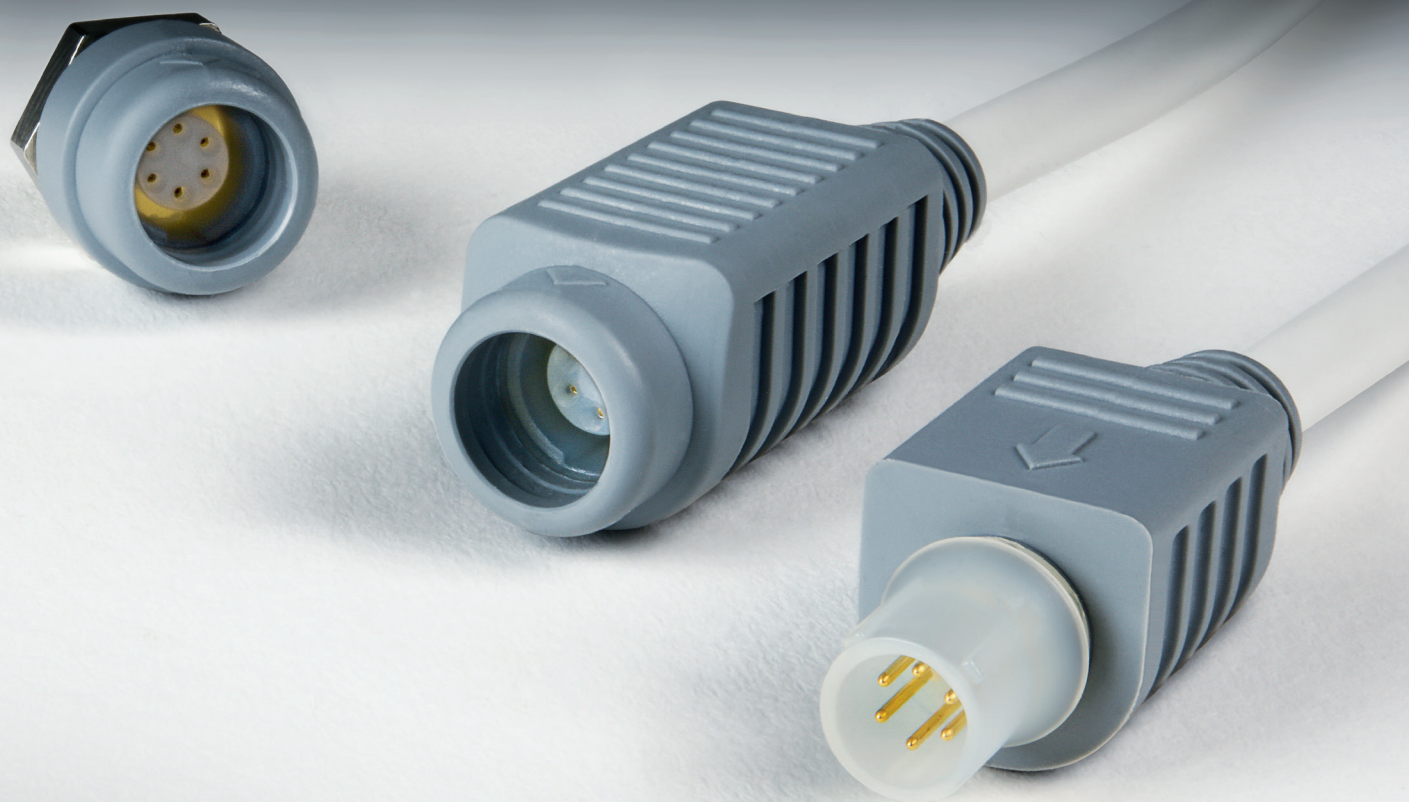
A PERFECT ALLIANCE.



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.



ODU – AN OVERVIEW

- More than 70 years of connector experience
- € 146 million in turnover
- Over 1,650 employees worldwide
- 9 sales subsidiaries: China, Denmark, France, Germany, Italy, Japan, Sweden, UK and USA
- Technologies: Design and development, machine tool and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly

Status: February 2016

CERTIFIED QUALITY

- DIN EN ISO 9001
- DIN ISO TS 16949
- DIN EN ISO 14001
- ISO 13485
- Vast range of UL, CSA, VG and VDE approvals
- UL-certified cable assembly

For a complete list of all our certifications, please refer to our website.

CUSTOMER-SPECIFIC SOLUTIONS

Contacts, connectors and cable assembly to meet the highest technical requirements – ODU's products and services are characterized by their uncompromising customer and results-oriented focus.

- Precise implementation of application-specific requirements for design, usage, cost and exclusivity
- Customized connector solutions originating from standard products
- Project-dedicated resources and expertise under one roof
- Quick prototyping and product turnaround

CREATING CONNECTIONS, BUILDING ALLIANCES, RELYING ON EACH OTHER



Dr.-Ing. Kurt Woelfl
Managing Director
Research & Development
Design
Production
Finance & IT
Region Americas

Dr. Joachim Belz
Managing Director
Marketing & Sales
Product and Market Portfolio
Human Resources
Supply Chain Management
Region Asia

TECHNOLOGY THAT UNITES – CONNECTIONS THAT INSPIRE

That is the driving force we have been committed to for more than 70 years. We provide top-quality, innovative electrical connectors, creating added value for our customers – and for anyone seeking for outstanding efficiency and reliability for power, signal, data and media transfer.

A PERFECT ALLIANCE – We develop high quality connector solutions. This reflects in the top quality of our products, cost-effective solutions, as well as in the strong partnerships we develop – partnerships based on trust, reliability and respect for our staff. A PERFECT ALLIANCE – which is mutually beneficial for products, companies and people.

ODU is one of the world's leading suppliers of connector systems, employing over 1,650 people worldwide and generating approximately € 146 million in sales. To ensure our cutting-edge products meet the highest quality standards possible, we continuously invest in development and production – ultimately, in our very unique expertise. Over the past few years, our development of customer and application-specific connectors has led to a continued expansion of our standard product range. We now cover a broad spectrum of application areas. A balance between project work, including customer-specific

solutions, and standard connector design will continue to shape our future business. This is not only the case for emerging markets such as the medical technology, military and security, and energy, but also for the special requirements of industrial electronics, measurement and testing, and e-mobility.

A PERFECT ALLIANCE – The future growth of ODU depends on our capability to provide reliable connector solutions for a variety of challenging applications and our commitment to continuously expanding our technology portfolio. The ODU Group is an international technology company devoted to creating top-quality, customer-oriented connector solutions. This brochure is an invitation for you to discover more about who we are and what we do.

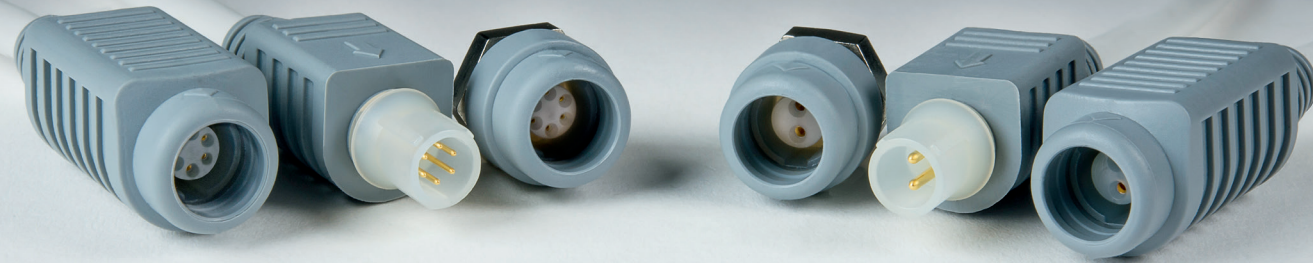
We're shaping the future of our company with creativity and innovation to serve you, our valued customers.

ODU – A PERFECT ALLIANCE.

Managing Directors:
Dr. Joachim Belz and **Dr.-Ing. Kurt Woelfl**

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:
0.5 m / 5 m
- 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

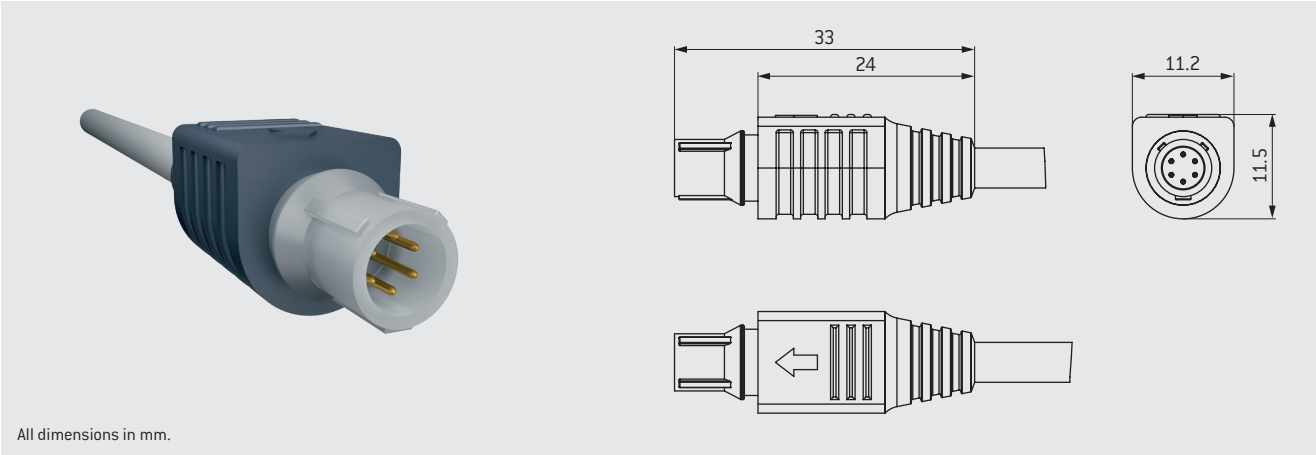


MEASURING AND TESTING

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



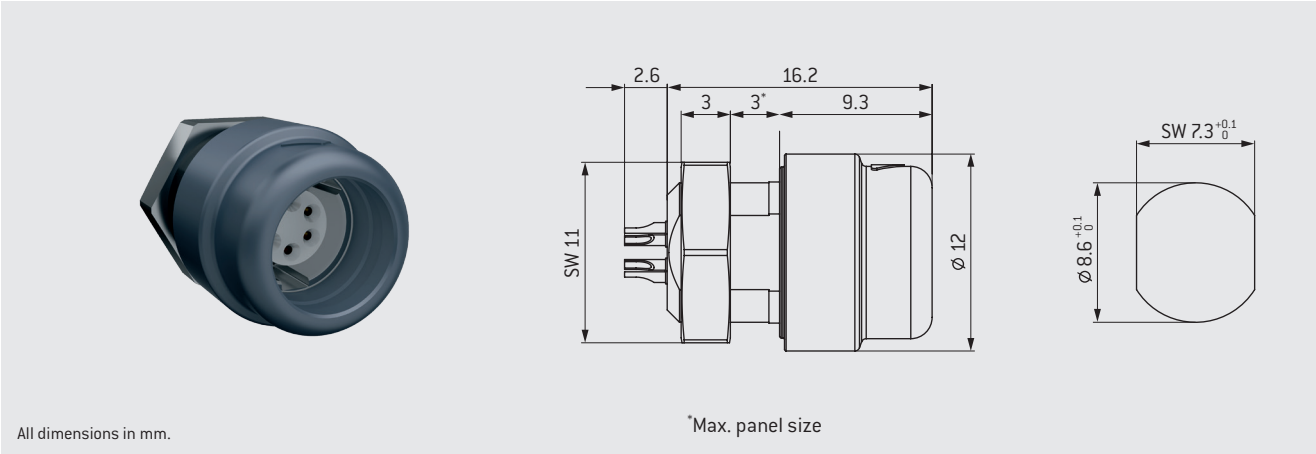
BREAK-AWAY PLUG (including cable, cable assembly and overmolding)



Number of contacts	Cable length		Cable diameter mm	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

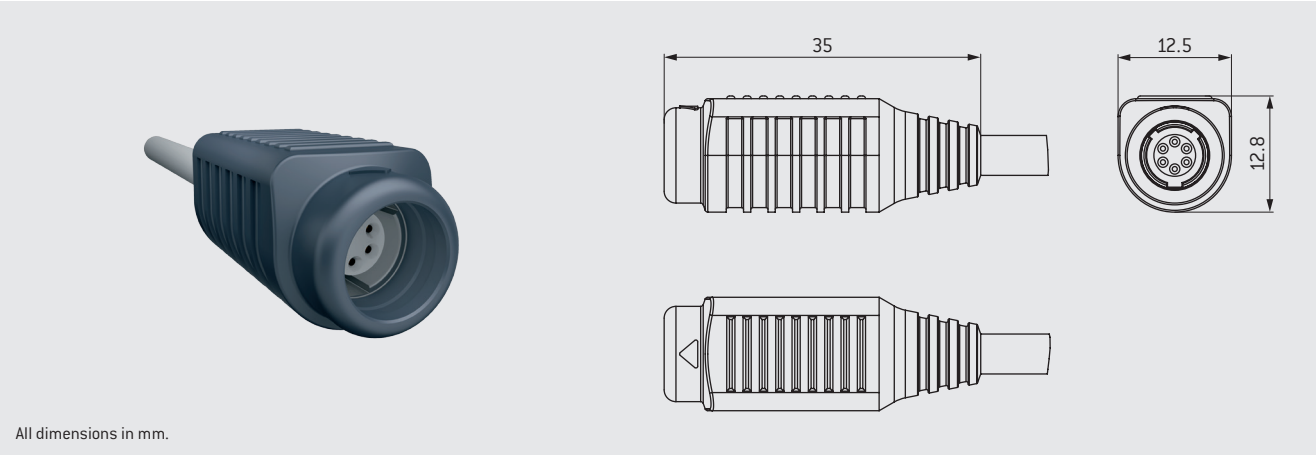
Cable type: PVC. Silicone cable upon request.

RECEPTACLE



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	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.

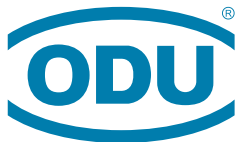
CONTACT CONFIGURATION

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				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.



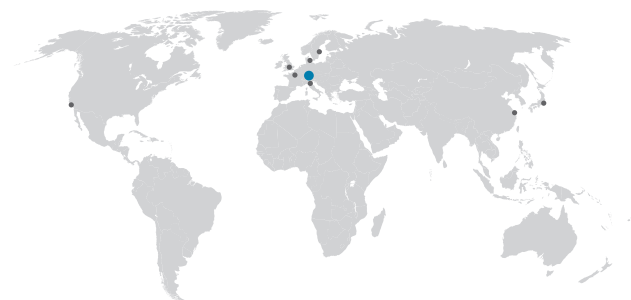
A PERFECT ALLIANCE.

ODU GROUP WORLDWIDE

HEADQUARTERS

ODU GmbH & Co. KG

Pregelstraße 11
84453 Mühldorf a. Inn
Germany
Phone: +49 8631 6156-0
Fax: +49 8631 6156-49
E-mail: zentral@odu.de



SALES SUBSIDIARIES

ODU Denmark ApS

Phone: +45 2233 5335
E-mail: odu.denmark@odu.de
www.odu-denmark.dk

ODU France SARL

Phone: +33 1 3935 - 4690
E-mail: odu@odu.fr
www.odu.fr

ODU Italia S.R.L.

Phone: +39 331 8708847
E-mail: sales@odu-italia.it
www.odu-italia.it

ODU Japan K.K.

Phone: +81 3 6441 3210
E-mail: sales@odu.co.jp
www.odu.co.jp

ODU Scandinavia AB

Phone: +46 176 18261
E-mail: sales@odu.se
www.odu.se

ODU (Shanghai)

International Trading Co., Ltd.
Phone: +86 21 58347828-0
E-mail: oduchina@odu.com.cn
www.odu.com.cn

ODU-UK Ltd.

Phone: +44 1509 266433
E-mail: sales@odu-uk.co.uk
www.odu-uk.co.uk

ODU-USA Inc.

Phone: +1 805 4840540
E-mail: sales@odu-usa.com
www.odu-usa.com

Further information and specialized
representatives can be found at:
www.odu.de/sales



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