

ODU MEDI-SNAP. PROGRESS

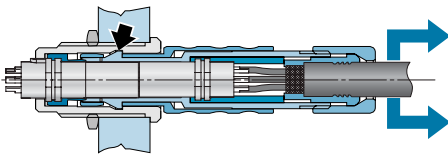
Miniature Cylindrical Connectors with Push-Pull Locking in plastic. ODU MEDI-SNAP was primarily produced for applications in medical electronics. For extraordinary requirements ODU develops your individual solution.

ODU MEDI-SNAP

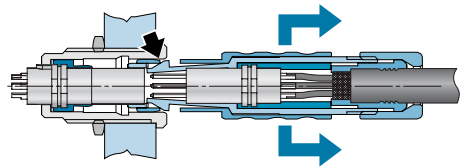
Push-Pull

Advantages towards Circular Connectors with screw locking:

- Quick and easy mating and demating
- Low space requirements
- Definite position – OPEN or CLOSE
- Vibration protection



Pulling on the cable or on the back nut causes the „jaws“ to grip harder into the groove in the receptacle. A separations is virtually impossible.

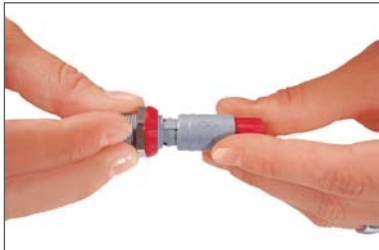
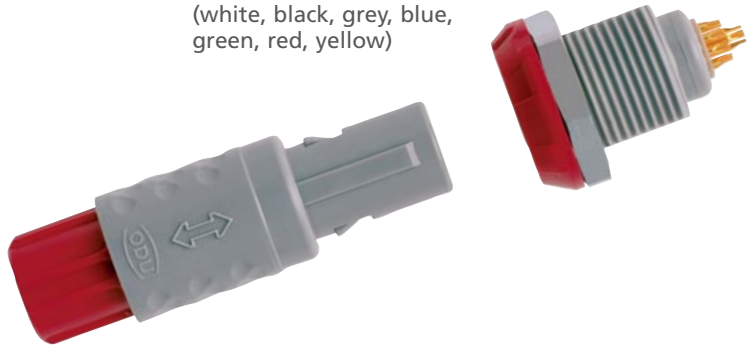


Pulling on the outer plug housing disengages the „jaws“ from the receptacle groove and the connector separates easily.

ODU MEDI-SNAP

Push-Pull

- ▶ Push-Pull Connector made out of plastic
- ▶ Disposable version available
- ▶ 7 Colour Coding Forms (white, black, grey, blue, green, red, yellow)



- ▶ 2-14 ways
- ▶ Special Inserts available e.g. Fluid, Fiber Optic
- ▶ Solder-, Crimp and PCB Termination
- ▶ Housing made out of PSU and PEI: Sterilizable / Autoclavable / ETO
- ▶ Easy Mounting of Plug
- ▶ More than 2.000 mating cycles
- ▶ Housing 100% touch proof
- ▶ Low weight
- ▶ Low mating and demating forces
- ▶ High chemical resistance

ODU MEDI-SNAP

Standard



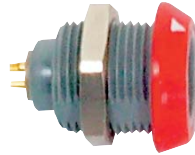
Straight Plug



Straight Plug
with Cable bend relief



In-Line Receptacle with or
without Cable bend relief



Receptacle for installation
from front of panel



Receptacle (IP 67) for installation
from front and rear of panel



Receptacle for
installation from front of panel



Receptacle from
front and rear of panel

ODU MEDI-SNAP Right-angle-Connector



- ▶ Optimal for limited space, due to vertical cable departure
- ▶ Mating compatible to all standard receptacles



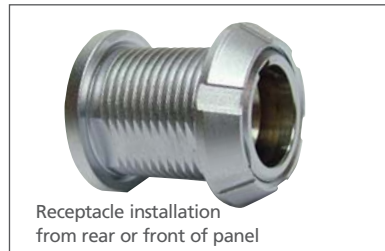
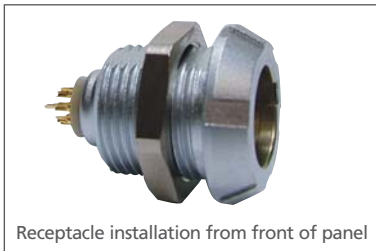
Customized development:

Right-angle-Connector – Disposable version (Two piece part) without latching, incl. Cable collet.

ODU MEDI-SNAP with metal housing



- ▶ absolutely mating- and mounting compatible to the plastic version
- ▶ more than 1000 mating cycles
- ▶ robust version of housing
- ▶ flexible design of receptacles (receptacles for front-, rear- and front-or-rear of panel assembly are available)
- ▶ cost effective alternative to the usual metal Push-Pull Connectors



ODU MEDI-SNAP Disposable Connector



- ▶ Disposable Plug (Single use)
- ▶ Disposable Receptacle (Single use)
Housing and insulator is a one-piece-part.
- ▶ Mating compatible to the usual connector line



- ▶ Disposable Plug (Single use)
for overmoulding with Snap-In locking
- ▶ Straight overmoulding













- ▶ Right-angle overmoulding

ODU MEDI-SNAP

Inserts

Contact Configurations

▶ View from termination side

Number of position	2	3	4	5	6	7	8	9	10	14
Contact ø (mm)	1,3	1,3	0,9	0,9	0,7	0,7	0,7	0,5	0,5	0,5
Test voltage (kV)	1,9	1,9	1,9	1,6	1,6	1,6	1,6	1,35	1,35	1,2
Current load (A)	14	14	10	7,5	4,55	4,55	3,85	2,75	2,75	2,5
Insert Pin-Part										

Sondereinsätze:



Fiber optic Insert:

- ▶ more than 1.000 mating cycles,
- ▶ for fiber POF 980/1000mm,
- ▶ Termination: Crimp



Fluid-Insert:

- ▶ Working pressure: up to 2 bar,
- ▶ Outer diameter of the cable:
up to 6,5mm

ODU MEDI-SNAP

Application Area

Main applications area: Medical Electronics

ODU MEDI-SNAP e.g. in Application on:

- ▶ Patient monitoring systems,
- ▶ Medical cables,
- ▶ Catheters,
- ▶ Medical Dental devices

Patient monitoring systems

With ODU MEDI-SNAP you can connect measurement devices e.g. measurement of the blood pressure.



Medical dental devices

ODU MEDI-SNAP forms the interface between the main device and the hand operating units.



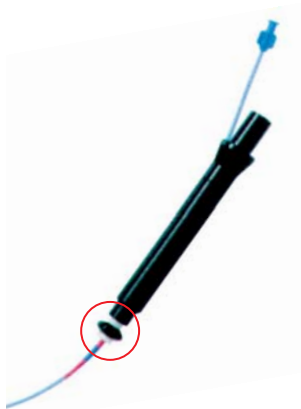
Medical cables

e.g. on SpO2 Cables for the measurement of the blood oxygen.



ODU MEDI-SNAP

Application Area



Systems for the monitoring of physical data:

e.g., in the intense medicine and sports medicine

Catheters:

The catheter is not sterilized, because of cost reasons.

The catheter will be put

- together with the inserted plug – in the rubbish
- therefore ODU MEDI-SNAP disposable

You can find the MEDI-SNAP connector also in the following application areas:

- ▶ Measurement and Testing
- ▶ Consumer Products
- ▶ Commercial Electronics
- ▶ Industrial Electronic

Security Systems:

Compact recording system of video surveillance systems and surveillance systems on networks. Here the ODU MEDI-SNAP serves as a net plug for the power supply.

You can find more ODU MEDI-SNAP Applications on our website:

- ▶ www.odu.de
 - ▶ Applications
 - ▶ ODU MEDI-SNAP

ODU MEDI-SNAP

You want to know more about the product ?

For technical questions please don't hesitate to contact Mr. Braun
Tel.: (0 86 31) 61 56-866, e-mail: frank.braun@odu.de

Download the catalogue as a PDF-File:
www.odu.de ▶ Downloadcenter

Ask for a printed catalogue: marion.kliegl@odu.de



ODU MEDI-SNAP



2 rue René Laennec 51500 Taissy France
Fax: 03 26 85 19 08, Tel : 03 26 82 49 29

E-mail: hvssystem@hvssystem.com
Site web : www.hvssystem.com