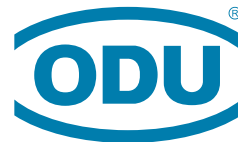


A PERFECT ALLIANCE.



CONNECTOR SOLUTIONS

Advanced Connector Portfolio



ADVANCED CONNECTOR SOLUTION PORTFOLIO

ODU PUSH-PULL CIRCULAR CONNECTORS



ODU MINI-SNAP®

- Push-Pull locking for quick, easy mating and demating
- Metal housing
- 8 different sizes
- 2 to 40 contacts
- Protection class IP 50 to IP 68
- Up to 5,000 mating cycles
- Autoclavable
- Various locking and coding options



ODU MEDI-SNAP®

- Push-Pull locking for quick, easy mating and demating
- Plastic housing
- 2 different sizes
- 2 to 26 contacts
- Protection class IP 50 to IP 64
- Up to 2,000 mating cycles
- Autoclavable and sterilizable
- Color-coding option
- "Disposable" varieties
- Rugged design



ODU AMC®

- Snap-In locking for Break-Away function
- Rugged housing with non-reflective surface
- Up to 55 contacts
- Up to 5 sizes
- Contacts for solder or PCB termination
- Up to 5,000 mating cycles durability
- Mechanical & color keying available
- 360° shielding for trouble-free data transfer
- Operating temperature range from -51°C (-60°F) to +125°C (+257°F)
- Watertight protection IP 68 & IP 69
- High speed data technology



ODU MINI-MED®

- Snap-In locking for Break-Away function
- Plastic housing
- 1 size
- 2 to 6 contacts
- Protection class IP 67
- 1,000+ mating cycles
- Compact design

ODU MINI-SNAP® PC

- Push-Pull locking for quick, easy mating and demating
- Plastic housing
- 3 different sizes
- 2 to 27 contacts
- Protection class IP 50 to IP 67
- Autoclavable



ODU RECTANGULAR CONNECTORS

ODU-MAC® White-Line

- Robust connector with up to 100,000 mating cycles
- 34 different modules with High Speed, USB®, Ethernet, Signal, High Voltage, High Power, High Current, Fiber Optic, Coax, Pneumatic or Hydraulic connections¹
- Easy and ergonomic mating with unique spindle lock
- Variety of housings, cable entries, bulkhead and docking solutions
- Low mating and demating forces



ODU-MAC® Silver-Line

- 6 different docking frames that can be configured in customized lengths
- Maximum packing density (through pitches from 2.54 mm = 1 unit)
- High level of failure safety and vibration resistance
- 34 different modules with High Speed, USB®, Ethernet, Signal, High Voltage, High Power, High Current, Fiber Optic, Coax, Pneumatic or Hydraulic connections¹
- Stable low contact resistance
- Long service life (> 100,000 mating cycles)
- Optional quick-change head for minimal maintenance requirements (USP)
- Strain relief housing



ODU-MAC® Blue-Line

- Modular connector system with maximum packing density
- Wide variety of transmission modules and various locking options (e.g. spindle & lever)
- Easy handling through tool-free clip mounting and dismantling of modules even when assembled
- Simple dismantling of crimp-clip contacts even when assembled
- Separate circuit board termination modules for effective assembly
- >10,000 mating cycles
- First standard plastic housing with spindle available in the market



¹These ODU specific connectors can transmit common data transmission protocols such as USB® and Ethernet, but they are not USB®- or Ethernet®- standard connectors.

ELECTRICAL CONTACTS



- 100,000+ mating cycles
- Low mating and demating forces
- Low contact resistance
- Up to 2,000 A current-carrying capacity
- High vibration resistance and low wear

HEAVY DUTY CONNECTORS



- 100,000+ mating cycles possible
- Time saving assembly process
- High contact density
- Up to IP68 when mated
- Flammability class UL 94-V0
- Operating voltage up to 800 VAC
- Easy assembly of the contacts & housing

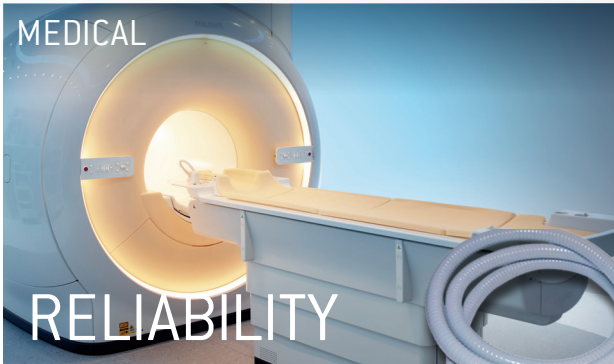
CABLE ASSEMBLY



CABLE ASSEMBLY INTEGRATED SOLUTIONS

- Rapid prototyping and product development
- Thermoplastic injection molding design and fabrication
- ITAR regulated facility
- Bonding and laser etching
- Private labeling
- Military and security, medical, test and measurement, mobility, and industrial applications

APPLICABILITY



- High mating cycles
- Compact design
- For connecting the coil to the MRI system
- Coax- and LWL-contacts flexibly combined



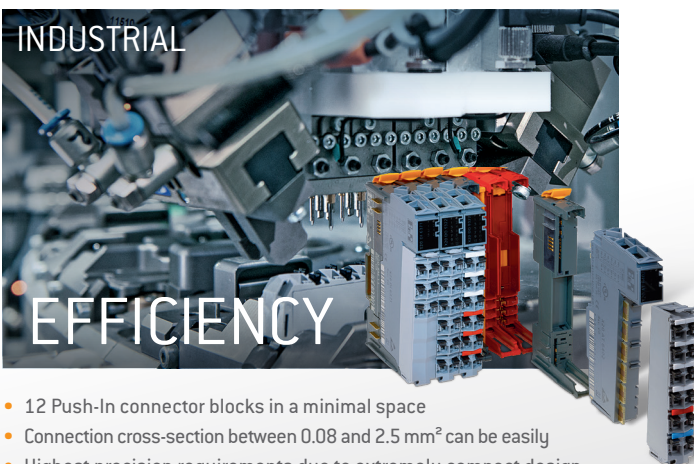
- Small size
- 90 ton load cells
- Hermetically sealed: vacuum tight and encapsulation – 20 years lifetime
- Extreme conditions due to harsh environments
- Resistant against possible external damage (e.g. rodents, lightning)



- Break-Away function
- Up to 5,000 mating cycles
- Robust mechanical and color coding
- Compact design
- Watertight: up to 20M submersible
- The smallest and lightest multi-com control unit in the world



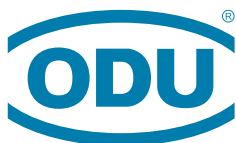
- High vibration resistance
- High performance and very robust
- Fulfill all requirements in compliance with LV 215 such as, watertight IP 69
- 3-pin power connector



- 12 Push-In connector blocks in a minimal space
- Connection cross-section between 0.08 and 2.5 mm² can be easily
- Highest precision requirements due to extremely compact design
- Vast array of coding possibilities

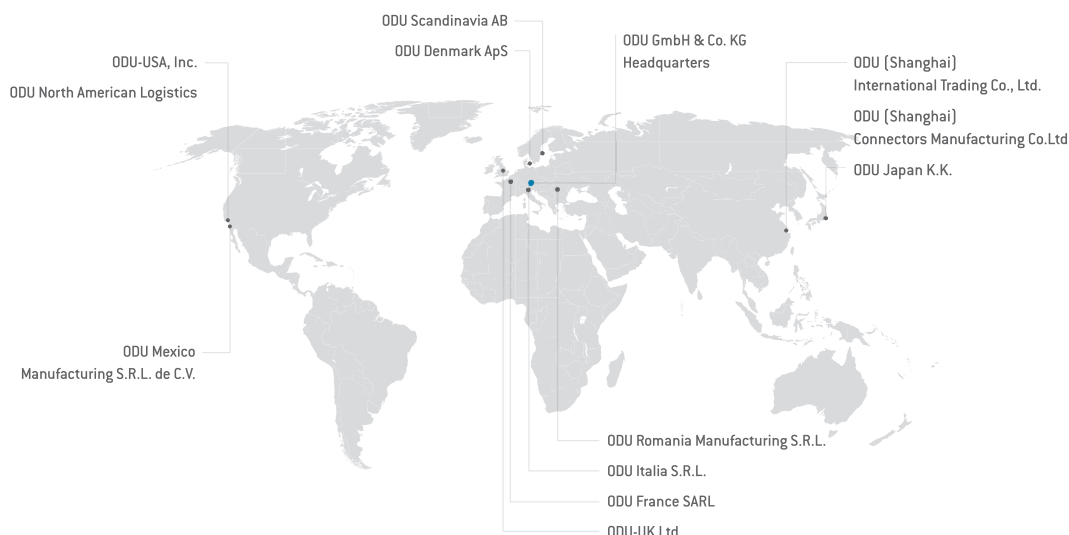


- Ergonomic design
- Watertight
- Hot-plug-capable safety handle



A PERFECT ALLIANCE.

ODU GROUP OVERVIEW



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

ADVANCED CUSTOMER BENEFITS

- Competitive lead time
- Rapid prototyping & product development
- Local one-to-one engineering support
- Cable assembly integrated solutions
- Custom connector capabilities
- German engineered for over 70 years

CERTIFICATIONS

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



Simply scan the QR code
to download the entire brochure.

TECHNOLOGY

- Design and development
- Tool manufacturing
- Injection molding
- Stamping
- Turning
- Electro plating
- Fully automated assembly lines & cable assembly

CUSTOMER SPECIFIC SOLUTIONS

- Completely integrated system solutions
- In-house assembly capabilities
- In-house molding capabilities

COMPANY OVERVIEW

- 1900 people
- 5 State-of-the-art-production facilities
- International sales network
- Vertically integrated
- German engineering