NEW TECHNOLOGIES
ELECTRICAL CONTACTS

High-performance contact solutions for high temperature applications.

HIGH TEMPERATURE AND HIGH CURRENT

NEW
2019
ODU LAMTAC® HTC

Reliable contact technology for temperatures up to +200 °C

Maximum current-carrying capacity due to 50% less power dissipation*

High-quality connection technology requires 25% less building space*

* Compared to ODU LAMTAC® with the same cable termination.
THE HIGH PERFORMANCE CONTACT:

Maximum current-carrying capacity and temperature resistance of up to +200 °C (392 °F)

- Contact with lamella technology
- Current-carrying capacity of up to 2,400 amperes
- > 10,000 mating cycles
- High vibration resistance
- Low contact resistance
- Automated lamella assembly
- High contact security
Reliable contact technology always results from the right combination of different contact properties: contact resistance, contact force, contact security, mating cycles, mating and demating forces.

To get durable and reliable connections which withstand demanding climatic conditions and guarantee high current load, these properties must be adjusted in a perfect way.

The new ODU LAMTAC® HTC contact system offers maximum current-carrying capacity and temperature resistance of up to 200 °C (392 °F).
TEST AND MEASUREMENT

The reliable transmission of high performance under climatic changing conditions demands high requirements to the contact system and connection technology. ODU LAMTAC® HTC combines these in this docking solution in an extraordinary way.

BENEFITS

- System solution from a single source
- Low coupling forces
- Temperature stable connection
ELECTRICAL CONTACTS
THE CONTACT MAKES THE DIFFERENCE.

THE ALL-ROUNDER:
Powerful contact system for versatile requirements
- Contact with lamella technology
- Current-carrying capacity of up to 2,400 amperes
- > 10,000 mating cycles
- High vibration resistance
- Low contact resistance
- Automated lamella assembly
- High contact security

THE MARATHON RUNNER:
Outstanding reliability and durability with up to 1 million mating cycles
- Contact with springwire technology
- Very high contact security
- Low mating and demating forces
- Very high vibration resistance
- Low contact resistance
- High current-carrying capacity

THE RUGGED ONE:
Rugged and universal contact system suitable even for harsh environments
- Turned, slotted contacts
- > 10,000 mating cycles
- Low and stable mating and demating forces
- Tiniest dimensions possible, down to 0.3 mm contact diameter
- Mating possible at an angle of up to 5°

THE HIGH VOLUME CONTACT:
Economical contact systems for automatic processing
- Stamped and formed contacts
- > 10,000 mating cycles
- Standard contacts for use in charging plugs (IP 67)
- Cost-efficient alternative for high volumes

ODU SPRINGTAC®
ODU LAMTAC®
ODU STAMPTAC®
ODU TURNTAC®
TECHNICAL INFORMATION
CABLES AND WIRES

High current load and high ambient temperatures are demanding requirements for electrical connectors as well as for the used cables. For a durable and reliable connection it is very important to have a temperature stable cable termination. The right choice of the conductor and insulation material is essential.

CONDUCTOR*

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CABLE INSULATION*

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* These tables are exemplary only. For detailed information use cable data sheets or contact your cable supplier.

All dimensions are in mm. Some figures are for illustrative purposes only. Subject to change without notice. Errors and omissions excepted. We reserve the right to change our products and their technical specifications at any time in the interest of technical improvement. This publication supersedes all prior publications. This publication is also available as a PDF file that can be downloaded from www.odu-connectors.com.
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