ERMEC INCORPORATES LAMTAC FLEX TECHNOLOGY IN THE ODU-MAC® HIGH CURRENT MODULES OF THE BLUE AND SILVER/WHITE SERIES

Silver-Line/White-Line modules

Blue-Line modules

ODU-MAC® high-current modules are now available with advanced **LAMTAC FLEX technology**, in both the **Blue-Line and Silver-Line and White-Line series**. This innovation significantly improves safety and ease of use while maintaining the highest standards of reliability.

After successful implementation in the **ODU-MAC®** power connector, **LAMTAC FLEX** is expanding to other products, offering significant advantages:

- **Protection against direct contact:** Greater safety for the end user. In the **Silver/White line**, the protection is applied to the connector side, while in the Blue line, it is present on both sides.

- **Reduction in mating force:** Improves ergonomics and facilitates connection.

- **High reliability and durability:** With a lifespan of up to **100,000 mating cycles in the Silver-Line**, compared to **10,000 cycles for the previous LAMTAC design**.

LAMTAC FLEX: Safety, ease of use, and performance for demanding applications.

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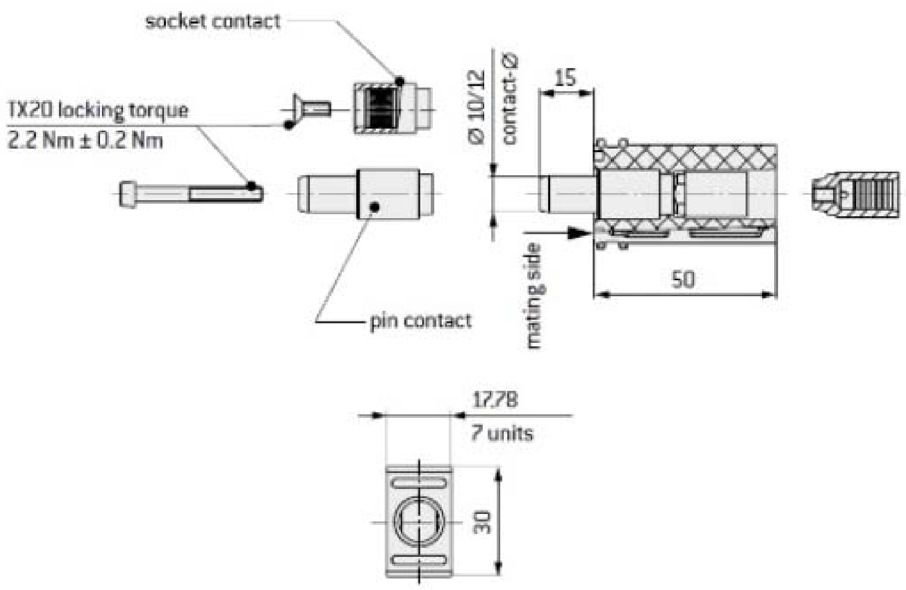
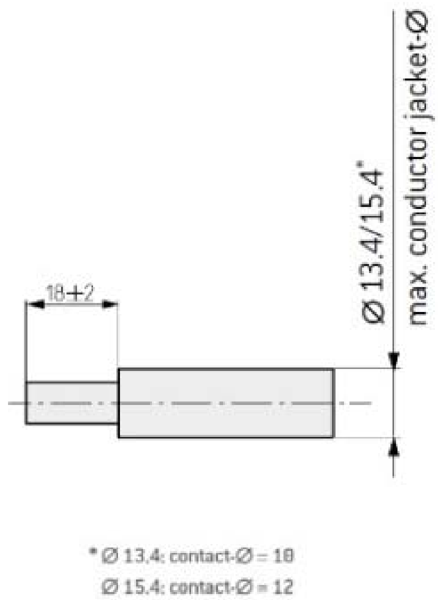
ODU-MAC® White-Line, ODU-MAC® Silver-Line
High Current Module – 1 Contact ⌀12 mm

For high current transmission. We offer reliable 12 mm contacts with ODU LAMTAC® foil technology or ODU LAMTAC® flexible technology with conductor cross-sections of 25/35 and 50 mm².



INSULATOR PIN AND SOCKET



STRIPPING LENGTH

Contact insert description

Number of Contacts:	1	
Contact diameter:	12mm	

Tecnical information

Test voltage:	4500V	EIA-364-20F:2019-02
Operating voltage 1	400V	IEC60664-1:2020 (VDE0110-1:2022-07)

The current load information is valid for single contacts or fully equipped modules. For use in connector systems, the load should be reduced according to VDE 0298-4:2013-06.
Due to high mating forces and cable cross sections, it is mandatory to use the ODU-MAC® P+ or P4+ frame.

Mechanical and environmental data

Operating temperature:	-40ºC-125ºC
Mating cycles:	minimum 10,000

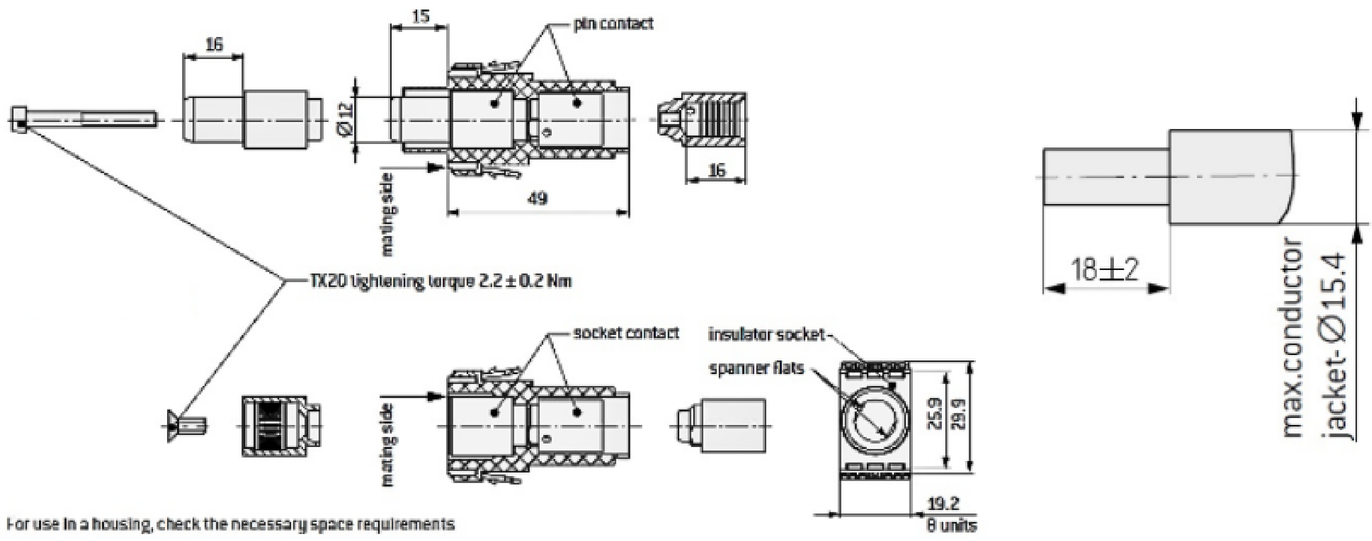
Total mating force [average] 45 N/module Total sliding force [average] 30 N/module

ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.

Blue-Line ODU-MAC® Modules
High Current – 1 Contact for Turned Contacts with LAMTAC® ODU

For high-current transmission. We offer reliable 12.0 mm contacts with LAMTAC® ODU foil technology or LAMTAC® ODU flexible technology with conductor cross-sections of 25/35 and 50 mm².

INSULATOR PIN



INSULATOR SOCKET

STRIPPING LENGTH

Contact insert description

Number of Contacts:	1	
Contact diameter:	12mm	
Termination:	Crimp	

Tecnical information

Max.creepage and air clearance distance:	13.5mm (creepage); 13.5mm (clearance)	
Test voltage:	6388VAC	IEC 61010-1.2010 [VDE 0411-1:2020-03]
Operating voltage 1:	2500V	IEC60664-1:2020 (VDE0110-1:2022-07)
Operating voltage 2:	2700V	IEC 61010-1:2010 (VDE 0411-1:2020-03)
Current-carrying capacity:	225A	

The current load information is valid for single contacts or fully equipped modules. For use in connector systems, the load should be reduced according to VDE 0298-4:2013-06.
Due to high mating forces and cable cross sections, it is mandatory to use the ODU-MAC® P+ or P4+ frame.
Operating voltage data according to pollution degree 2

Mechanical and environmental data

Operating temperature:	-40ºC-125ºC	
Mating cycles:	10000	

Total mating force [average] 45 N/module Total sliding force [average] 30 N/module

ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.