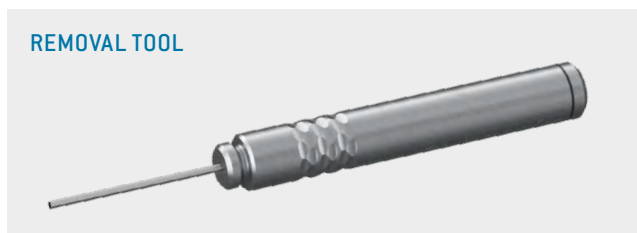
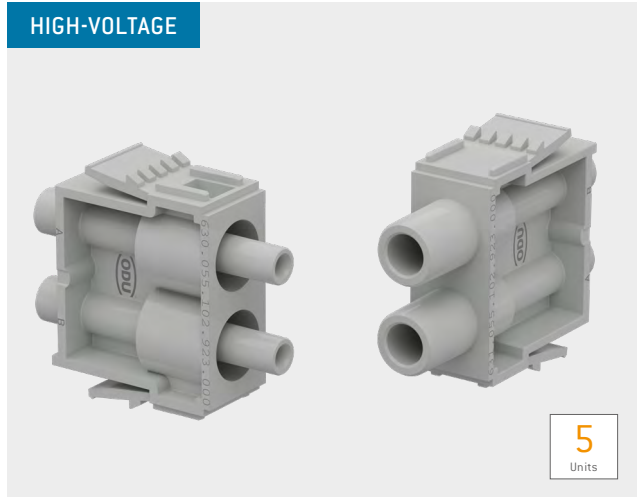
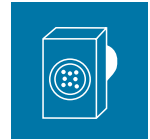


MODULE 2 CONTACTS



Removal of the assembled contact from the mating side
PART NUMBER: 087.7CC.130.004.000

For an overview of all tools, please see [ODU-MAC® Blue-Line catalog](#) from page 153

Contact diameter: 1.3 mm
Mating cycles: min. 10,000
Operating voltage: 5.800 V

TECHNICAL NOTES

- The current load information is valid for single contacts. For use in connector systems, the load should be reduced according to VDE 0298-4:2013 (see [ODU-MAC® Blue-Line catalog](#) page 172).
- For crimp information, see [ODU-MAC® Blue-Line catalog](#) from page 154
- Pin frame with extended guiding pins is necessary.

TECHNICAL DATA

Voltage data according to IEC 60664-1:2007 (VDE 0110-1:2008)¹

Operating voltage	5,800 V	2,300 V
Rated surge voltage	20 kV	20 kV
Clearance distance	25.5 mm	25.5 mm
Creepage distance	29.4 mm	29.4 mm
Pollution degree	2	3

Test of the partial discharge voltage (PDV) acc. to IEC 60664-1: 2007 (VDE 0110-1:2008)¹

PDV inception voltage	3,000 V
PDV extinction voltage	2,500 V

Voltage data according to standard IEC 61010-1:2010 (VDE 0411-1:2020)²

Supply voltage from grid supply circuit (CAT.2)	150 V < U _{rms} ≤ 300 V	
Operating voltage	5,817 V	2,314 V
Test voltage	11,002 V AC	11,002 V AC
Pollution degree	2	3

Mechanical data

Total mating force (average)	2.8 N/module
Total sliding force (average)	2.4 N/module
Contact diameter	1.3 mm
Operating temperature	-40 °C to +125 °C
Mating cycles	min. 10,000

Materials

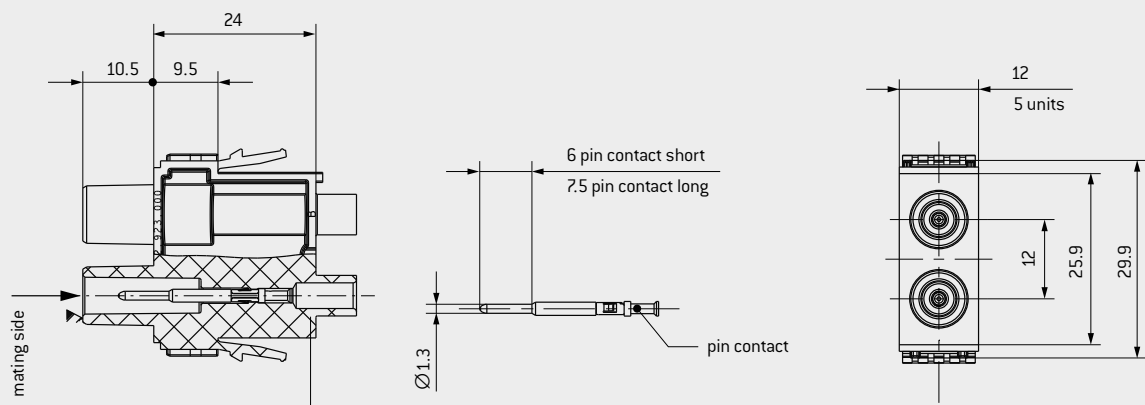
Insulator	thermoplastic acc. to UL 94
Contact	Cu alloy
Contact finishing	gold-plated

¹ IEC 60664-1:2007 (VDE 0110-1:2008) see [ODU-MAC® Blue-Line catalog](#) page 165

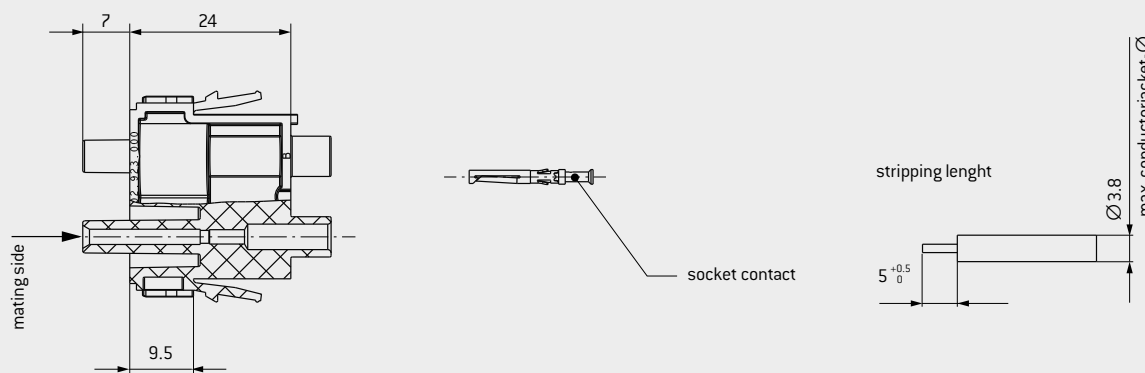
² See [ODU-MAC® Blue-Line catalog](#) page 168



INSULATOR PIN



INSULATOR SOCKET



Module 2 contacts	Part number
Insulator socket	630.055.102.923.000
Insulator pin ³	631.055.102.923.000

Description	Part number	Conductor cross-section mm ²	Termination AWG/mm	Nominal current ¹		Max. continuous current ² Single contact A	Contact resistance mΩ
				Single contact A	Module fully equipped A		
Pin contact short	185.432.000.270.000	0.5–1	18–20	12.5	11.5	19.5	1.8
Pin contact long	185.424.000.270.000						
Socket contact	175.535.000.270.000	0.14–0.38	22–26	9.5	7	12	1.8
Pin contact short	185.714.000.270.000						
Pin contact long	185.713.000.270.000						
Socket contact	175.A42.000.270.000						

¹ Determined according to IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) at increased temperature 45 K

² For a definition of max. continuous current, see ODU-MAC® Blue-Line catalog page 172

³ Pin frame with extended guiding pins is necessary.