

180.541.000.307.000

ODU-MAC® White-Line , ODU-MAC® Silver-Line

Pin 1.5 mm, short, AWG 20/22, 0.5-0.38 qmm, crimp termination



Basic information

Part number	180.541.000.307.000
Category	Contact

Contact insert description

Contact type	Pins
Contact diameter	1.5 mm
Termination type	Crimp
Wire cross section AWG	AWG 20 – 22
Wire cross section mm ²	0.5 mm ² - 0.38 mm ²

Crimptools



080.000.051.000.000
crimp tool 0.08 - 2.5 mm² 8-point

Tool	080.000.051.000.000
Tool Instruction	Crimp_Instruction_080.000.051.000.000.pdf
Tool Adjustment Dimension	0.92
Tool Positioner One	080.000.051.101.000
Tool Positioner One Setting	3

Removal tools



087.611.001.001.000
ODU-MAC removal tool contacts ø0.76 - 4.0 mm



087.170.363.000.000
removal tool 1.5 mm angled



087.170.138.000.000
removal tool 1.5 mm straight

**085.611.001.001.000****ODU-MAC insertion tool contacts ø0.76 - 1.5 mm**

Technical information

Max. current single contact	10 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) at a temperature increase of 45 K
Max. current	15 A	
Contact resistance	0.95 mOhm	
Operating voltage	500 V	
Rated surge voltage	2500 V	

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

Mechanical and environmental data

Mating cycles	minimum 100.000
Upper temperature limit	125 °C
Max. operating temperature	125 °C
Min. operating temperature	-40 °C
Weight	0.752 g

In the ODU-MAC Silver-/ White-Line product portfolio we explicitly recommend that the modules are purchased assembled with the frames in order to prevent possible errors in the assembly process. Only in exceptional cases we can supply individual parts. However we cannot take any liability therefore. We would like to emphasize the usage of our ODU tools, as well as our current assembly instructions in the download area: <https://odu-connectors.com/silver-white-line-instructions>

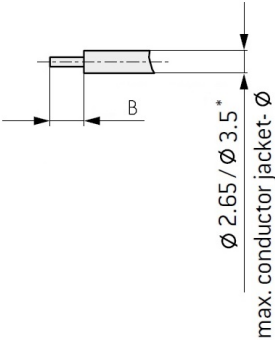
Material and surface treatments

Material	Cu-alloy
Contact material	Cu-alloy with gold finish over Ni

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.

STRIPPING LENGTH

AWG mm ²	dim. B
24/28 0,08/0,25	4.3±0.5
20/22 0,38/0,50	4.6±0.5
18 0,75/1	5±0.5
16 --	5±0.5
14 1,5	5±0.5
-- 2,5	4.5±0.5



≤ Ø 2.65 removal possible / ≤ Ø 3.55 removal not possible.

Further technical information and downloads

[Assembly Instruction](#)