ODU-MAC® Non-magnetic

Pin, short, 1.5 mm, Au, AWG 18, 1.0 qmm, crimp termination, non magnetic

General information

Part number	180.545.000.370.000
Termination	Crimp
Size	
Weight	0,8 g
customs tariff numbers	85369010

Illustrations may differ from original product.
Dimensions, unless otherwise specified, in mm.

STRIPPING LENGTH
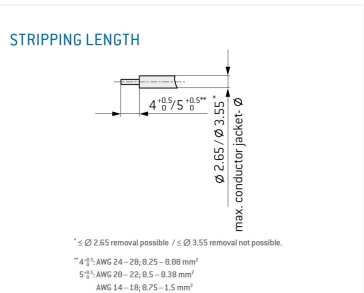
Contact insert description

Contact type	Pins
Contact diameter	1.5 mm
Wire cross section	AWG 18
Termination	Crimp
Termination diameter	1 mm² - 0.75 mm²

Technical information

Nominal current single contact	16 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003) at a temperature increase of 45 K
Operating voltage 1	500 V	IEC60664-1:2020 (VDE0110-1:2022-07)
Max. continuous current - single contact	22.5 A	
Contact resistance	0.95 mOhm	

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

Operating temperature	-40 ºC – 125 ºC
Mating cycles	minimum 100,000

Material and surface treatments

Contact	Cu-alloy with gold finish over Ni

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

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.

Crimptools

080.000.051.000.000
8-point crimping tool

Part number	180.545.000.370.000
Tool	080.000.051.000.000
Tool Instruction	Crimp_Instruction_080.000.051.000.000.pdf
Tool Adjustment Dimension	1.12
Tool Positioner One	080.000.051.101.000
Tool Positioner One Setting	3

Removal tools

087.611.001.001.000
Removal tool

087.170.363.000.000
Removal tool

087.170.138.000.000
Removal tool