ODU-MAC® PUSH-LOCK

Assembly instruction

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ASSEMBLY INSTRUCTIONS

**ODU-MAC® PUSH-LOCK CONNECTOR** ................................................................. 03 – 07

**ODU-MAC® PUSH-LOCK RECEPTACLE** ...................................................... 09 – 12
Step 1
▶ Slide the clamping screw and the right seal insert over the cable.

**ATTENTION!**

Seal insert
The right seal insert must be ordered separately!

<table>
<thead>
<tr>
<th>Part number</th>
<th>For cable-Ø</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>921.000.006.999.001</td>
<td>7.0 – 10.5</td>
<td>Green</td>
</tr>
<tr>
<td>921.000.006.999.002</td>
<td>9.0 – 13.0</td>
<td>Red</td>
</tr>
<tr>
<td>921.000.006.999.003</td>
<td>14.0 – 18.0</td>
<td>Blue</td>
</tr>
<tr>
<td>921.000.006.999.004</td>
<td>17.0 – 20.5</td>
<td>Brown</td>
</tr>
</tbody>
</table>

Step 2
▶ Strip cable and wire.
▶ Fit wire into the contact drilling and crimp.
  (see assembly instruction ODU-MAC® Blue-Line)
▶ PE-connection optional, cable lug M3
▶ If necessary swap step 2 and step 3.

Step 3
▶ Slide the connector housing over the cable.
Step 4
▶ Insert contacts into insulator according to numbering.
   (see assembly instruction ODU-MAC® Blue-Line)

Step 5
▶ Put assembled insulators into frame.
▶ Observe (A to A) the insulator coding.
   (see assembly instruction ODU-MAC® Blue-Line)

Step 6
▶ Cut the secondary locking to length of 16.8 mm
   with help of the available grid (2.4 mm)

Step 7
▶ Click the secondary locking into the modules engagement
   hooks. (see assembly instruction ODU-MAC® Blue-Line)
▶ See that all insulators were correct snapped in.
   All snap fits should be in line.

The correctly mounted secondary locking ensures that all
modules are correctly snapped into place in the frame.
Step 8 (optional)

▶ Screw the PE-wire with the connector housing together.
▶ Locking torque +/- 0.2 Nm, drive Phillips PH1

Step 9 (optional)

▶ Slide the coding element sideward in the selected position.
▶ Coding position see table.

<table>
<thead>
<tr>
<th>Coding Connector</th>
<th>I</th>
<th>II</th>
<th>III</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coding A</td>
<td></td>
<td>+</td>
<td></td>
</tr>
<tr>
<td>Coding B</td>
<td>I</td>
<td>+</td>
<td>IV</td>
</tr>
<tr>
<td>Coding C</td>
<td>III</td>
<td>+</td>
<td>IV</td>
</tr>
<tr>
<td>Coding D</td>
<td>I</td>
<td>+</td>
<td>II</td>
</tr>
<tr>
<td>Coding E</td>
<td>II</td>
<td>+</td>
<td>IV</td>
</tr>
<tr>
<td>Coding F</td>
<td>I</td>
<td>+</td>
<td>III</td>
</tr>
</tbody>
</table>
Step 10

▶ Slide the assembled frame into connector housing.

ATTENTION!

Observe the right position!
Don’t damage wire!

Step 11

▶ Screw the frame with the connector housing together.
▶ Locking torque +/- 0.2 Nm, drive S 0.6

ATTENTION!

2-times thread!

Step 12

▶ Screw the clamping screw with the connector housing together.
▶ Locking torque +/- 0.2 Nm, wrench size 30
Panel cut out

ATTENTION!
Mounting wall must be designed stable enough to ensure tightness!
**Step 1**

- Strip cable and wire.
- Fit wire into the contact barrel and crimp.  
  (see assembly instruction ODU-MAC® Blue-Line)
- PE-connection (optional): cable lug M3

**Step 2**

- Insert contacts into insulator according to numbering  
  (see assembly instruction ODU-MAC® Blue-Line)

**Step 3**

- Put assembled insulators into frame.
- Observe [A to A] the insulator coding.  
  (see assembly instruction ODU-MAC® Blue-Line)

**Step 4**

- Cut the secondary locking to length of 16.8 mm with help of the available grid (2.4 mm)
Step 5

► Click the secondary locking into the modules engagement hooks. (see assembly instruction ODU-MAC® Blue-Line)
► See that all insulators were correct snapped in. All snap fits should be in line.

The correctly mounted secondary locking ensures that all modules are correctly snapped into place in the frame.

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Step 6 (optional)

► Slide the PE-contact latch from front side into the frame.

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Step 7

► Put the frame with the wire through the panel cut out (see page 9).

ATTENTION!

This step depend on the process of the complete device. Maybe finish first the complete receptacle and skip step 7!
Step 8 (optional)

▶ Slide the coding element from front side.
▶ Slide in the selected position.
▶ Coding position see table.

<table>
<thead>
<tr>
<th>Coding receptacle</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Coding A</td>
<td>I</td>
<td>+  IV</td>
</tr>
<tr>
<td>Coding B</td>
<td>II</td>
<td>+  III</td>
</tr>
<tr>
<td>Coding C</td>
<td>I</td>
<td>+  II</td>
</tr>
<tr>
<td>Coding D</td>
<td>III</td>
<td>+  IV</td>
</tr>
<tr>
<td>Coding E</td>
<td>I</td>
<td>+  III</td>
</tr>
<tr>
<td>Coding F</td>
<td>II</td>
<td>+  IV</td>
</tr>
</tbody>
</table>

Step 9

▶ Slide the assembled frame into the base body from back.

**ATTENTION!**

Observe the right position!

Step 10

▶ Screw the frame with the base body together.
▶ Screw the PE-wire with the base body together (optional).
▶ Locking torque +/- 0.2 Nm, drive Phillips PH1
Step 11

> Put the receptacle into the right panel cut out (see page 9).

Step 12

> Put the sheet cramp in the sideward pockets and put the fastening screw on.
> Locking torque +/- 0.2 Nm, drive Phillips PH1 (use screw-bonding)

<table>
<thead>
<tr>
<th>Position</th>
<th>Sheet thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1 – 2 mm</td>
</tr>
<tr>
<td>2</td>
<td>2 – 5 mm</td>
</tr>
<tr>
<td>3</td>
<td>5 – 8 mm</td>
</tr>
</tbody>
</table>
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