

## **Installation Procedure for Mini Customer Splice Point (MCSP)**

### **Product application**

This instruction details the installation procedure for the Mini Customer Splice Point



### **Precautions and Warnings**

- ! This guide is only valid for products purchased from or approved by Prysmian Group.
- ! During this procedure all local Health & Safety statutory regulations must be adhered to.
- ! This installation should only be carried out by suitably trained competent persons.

## INSTALLATION INSTRUCTION

### Tools

|  |  |  |
|--|--|--|
| <p><b>1</b> PZ1 screwdriver<br/>PN: N/A<br/>PZ2 screwdriver<br/>PN: N/A</p>  | <p><b>2</b> Drill + 6mm Bit<br/>PN: N/A</p>       | <p><b>3</b> Splicing equipment<br/>PN: N/A</p>    |
| <p><b>4</b> Pen<br/>PN: N/A</p>    | <p><b>5</b> Hammer<br/>PN: N/A</p>   | <p><b>6</b> Cable Stripper<br/>PN: E00-3819</p>  |
| <p><b>7</b> Flush Cutting Tool 1A<br/>PN: N/A</p>  | <p><b>8</b> Small Side Cutters<br/>PN: N/A</p>  | <p><b>9</b> Needle Nose Pliers<br/>PN: N/A</p>  |

**Box Preparation and Mounting**

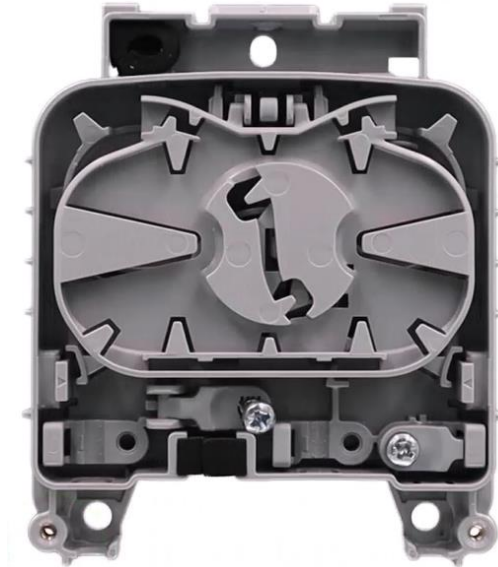
**Step 1**



- The splice point is accessed by unscrewing the two PZ1 screws.

**Box Preparation and Mounting**

**Step 2**



- Lift from the bottom of the cover to remove it.

## Box Preparation and Mounting

### Step 3



- The CSP has three fixing points, 1 upper and 2 lower. They aligned to the current 101 cover holes. All 3 fixing holes must be used for installation.

**Box Preparation and Mounting**

**Step 4**



- The splice point has 4 lower ports.
- Port 2 is for the incoming fibre.
- Port 1,3 and 4 are for the exiting fibres.
- Choice of port is dependent on the direction of the exiting cable.

**Box Preparation and Mounting**

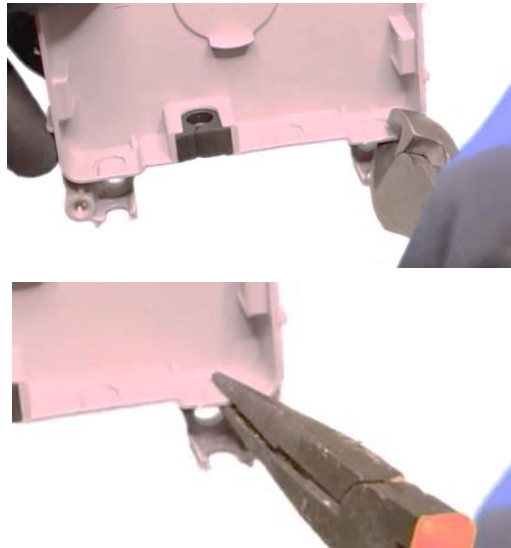
**Step 5**



- The MCSP is supplied with:
  - 1: Movable exit cable gland
  2. Fixed incoming cable and incoming cable gland.
  3. Movable exit cable anchor
- The PZ2 screws should only be tightened by hand.

**Box Preparation and Mounting**

**Step 6**



- The exit gland and anchor should be fitted to your chosen exit port.
- To fit gland cut down each side of the knockout with side cutters then remove with needle nose pliers. The gland can then be fitted.



**Input Fibre Installation**

**Step 7**



- The MSCP comes with an exit port to the rear. The storage tray can be removed by pressing inwards on the two tabs shown.

**Input Fibre Installation**

**Step 8**



- If exiting the MCSP through the rear the preformed circular slot is removed by placing the MCSP face down on a clean flat surface.

**Input Fibre Installation**

**Step 9**



- Press the 2 locations circled in red using a flat headed screwdriver. The circular grommet must then be fitted. 10 grommets are supplied with each box of 40 MCSP.

**Through Wall Output Fibre Installation**

**Step 1**



- For inside-out cabling, leave 1.1 meters for splicing and storage.

**Through Wall Output Fibre Installation**

**Step 2**



- When exiting through the rear port the MSCP must be placed over the hole so that the cable enters directly in line with the green semi-circle.

**Through Wall Output Fibre Installation**

**Step 3**



- Mark, drill, and fit wall plugs if not reusing 101 cover holes.

**Lower Port Output Fibre Installation**

**Step 1**



- Using the Flush Cutting Tool 1A strip the sheath back level with the wall.

**Lower Port Output Fibre Installation**

**Step 2**



- Seal the cable using silicone.



**Lower Port Output Fibre Installation**

**Step 3**



- The cable can now be re-threaded and the MCSP screwed to the wall.

**Lower Port Output Fibre Installation**

**Step 4**



- When using the bottom ports leave 1.1 meters from the anchor for splicing and storage.

**Lower Port Output Fibre Installation**

**Step 5**



- Both incoming and outgoing fibres are stripped down to the 900 microns approximately 5mm above the anchor.

**Lower Port Output Fibre Installation**

**Step 6**



- Place the correct grommet around the cable being fitted.

**Fibre Storage and Splicing**

**Step 1**



- Push grommet with the cable into the CSP. Ensure the grommet is correctly located in the base.

**Fibre Storage and Splicing**

**Step 2**



- Secure the cable with the anchor screws.

**Fibre Storage and Splicing**

**Step 3**



- The Incoming Fibre is always routed to the left-hand side of the MCSP. Port 3 is routed to the right-hand side.

**Fibre Storage and Splicing**

**Step 4**

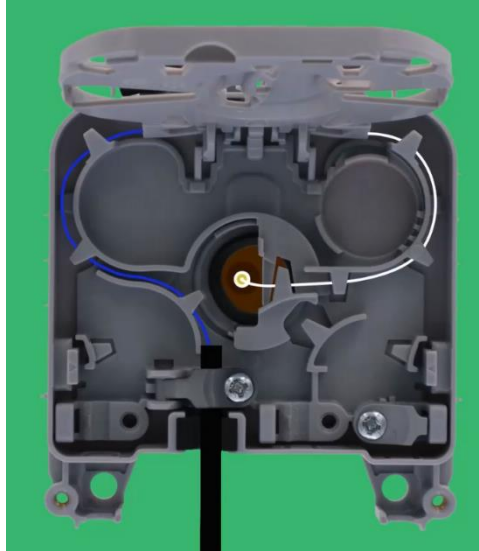


- Port 4 is routed to the right-hand side.



**Fibre Storage and Splicing**

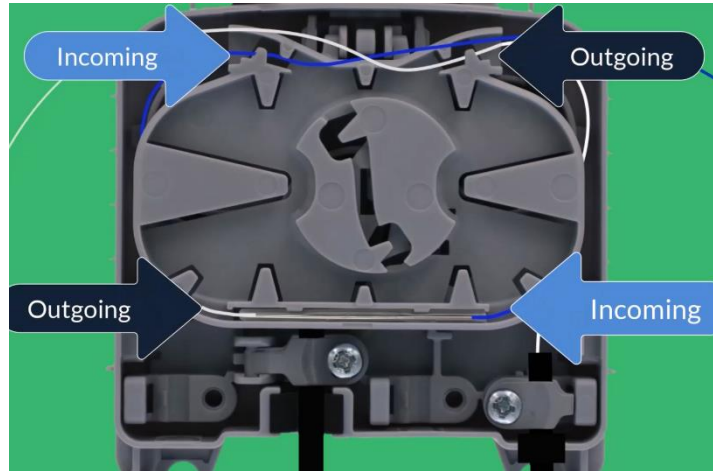
**Step 5**



- Rear exiting fibre is routed to the right-hand side.

**Fibre Storage and Splicing**

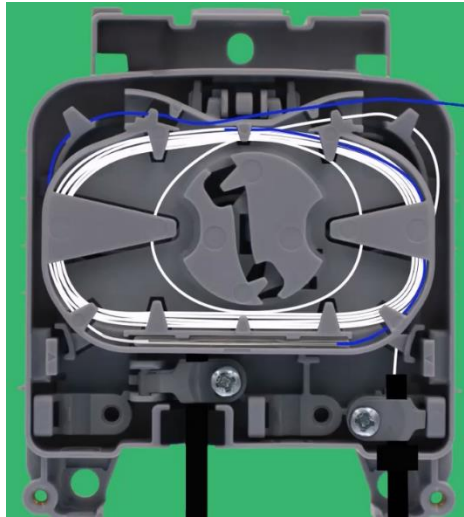
**Step 6**



- Once spliced, the splice is placed into the holder so that the incoming fibre is on the right and the outgoing is on the left.

**Fibre Storage and Splicing**

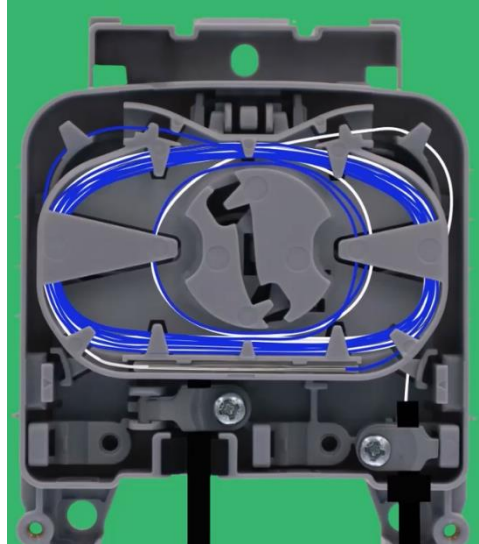
**Step 7**



- When wrapping the outgoing fibre you must always start at the splice protector maneuvering the fibre to the outside of the track.

**Fibre Storage and Splicing**

**Step 8**



- Now repeat starting at the splice protector for the incoming fibre.

**Fibre Storage and Splicing**

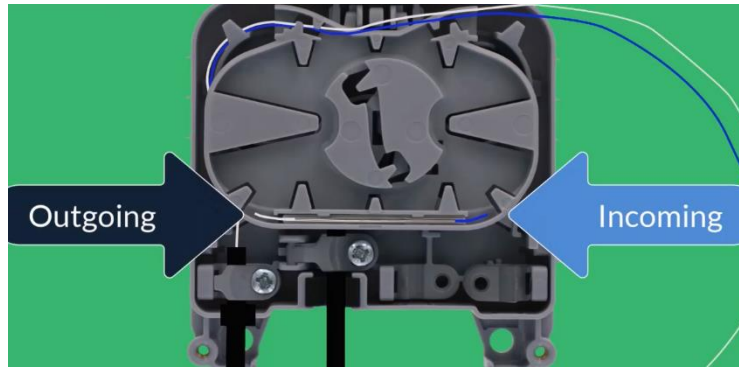
**Step 9**



- When exiting to the left using port 1, both incoming and outgoing fibres are routed to the left of the MCSP.

**Fibre Storage and Splicing**

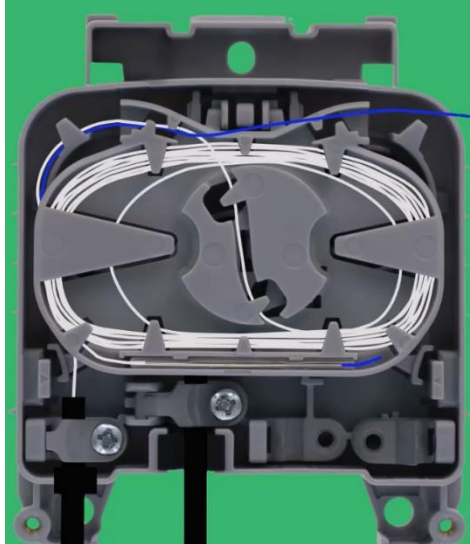
**Step 10**



- Once spliced, the splice is placed into holder so that the incoming fibre is on the right and the outgoing is on the left.

**Fibre Storage and Splicing**

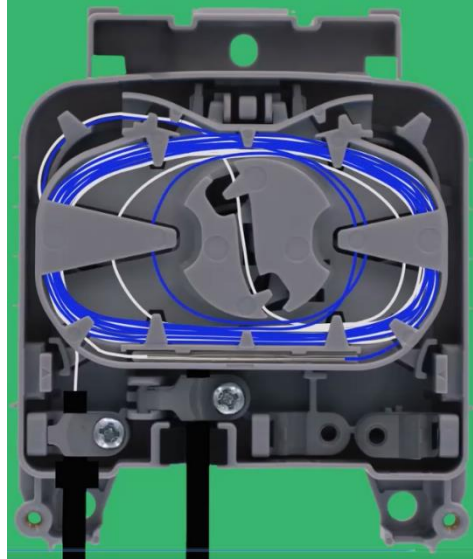
**Step 11**



- When wrapping the outgoing fibre you must always start at the splice protector maneuvering the fibre to the outside of the track. Finish by managing the outgoing fibre through the cross over area.

**Fibre Storage and Splicing**

**Step 12**



- Wrap the incoming fibre the same as the other configurations.



## Securing Box and Capping

### Step 1



- When finish inside the MCSP, angle and hang the cover on the base engaging the two top lugs.

**Securing Box and Capping**

**Step 2**



- Screw the cover to the base using the two PZ1 screws until cover touches the wall or capping.

**INSTALLATION INSTRUCTION**

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