


## Compact Termination Box MK2 4 fibres (CTBMK2 4fo)

<b>CTBMK2 equipped with 4 SC/APC shutter adaptors</b>	<u>Reference:</u>
<b>and 4 G657A1 SC/APC pigtails: .....</b>	<b>XCPSC01229</b>
<b>CTBMK2 equipped with 4 SC/APC shutter adaptors: .....</b>	<b>XCPSC01136</b>
<b>1 shutter adaptors .....</b>	<b>XCPSC01227</b>

Description	Tools & required additional products						
<p>The CTBMK2 4fo can be used:</p> <ul style="list-style-type: none"> <li>- Installed on a wall.</li> <li>- installed on a DIN rail in Home Hub</li> </ul> <p>The CTBMK2 can be supplied</p> <ul style="list-style-type: none"> <li>- with up to 4 pigtails and shutter adaptors</li> <li>- Already equipped with a preconnectorised drop cable.</li> </ul> <p>SPACE ENVELOPE : 100 mm x 83 mm x 28 mm (Lx Hx P)</p>	<table border="1"> <thead> <tr> <th>Additional Items</th><th>Prysmian Part No.</th></tr> </thead> <tbody> <tr> <td>Fusion splice protection (45x2,2mm)</td><td>XKTSC00050 (bag of 12) XPESC00053 (bag of 50)</td></tr> <tr> <td>Mechanical splice protection</td><td>XKTSC00121 (sachet de 50)</td></tr> </tbody> </table> <p>Tools: Long Nose Pliers, Flush Cutters, Small File, Screwdriver, 6mm drill bit.</p>	Additional Items	Prysmian Part No.	Fusion splice protection (45x2,2mm)	XKTSC00050 (bag of 12) XPESC00053 (bag of 50)	Mechanical splice protection	XKTSC00121 (sachet de 50)
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Fusion splice protection (45x2,2mm)	XKTSC00050 (bag of 12) XPESC00053 (bag of 50)						
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### Component parts

<b>CTBMK2</b> <b>Reference: XCPSC01229</b>	<b>A base, a splice tray, a main cover, an identification label, a wall support, transparent cover for the identification label area, a screw to fix the min cover to the base</b>	<b>Quantity 1</b>
	<b>Tie rap 100 x 2.6mm</b>	<b>Quantity 2</b>
	<b>SC/APC shutter adaptors</b>	<b>Quantity 4</b>
	<b>Wall plugs + fixing screws</b>	<b>Quantity 2</b>
	<b>SC/APC Pigtail G657A1</b>	<b>Quantity 4</b>
	<b>Installation procedure</b>	<b>Quantity 1</b>

**Prysmian**  
Group  
**INSTALLATION INSTRUCTION**

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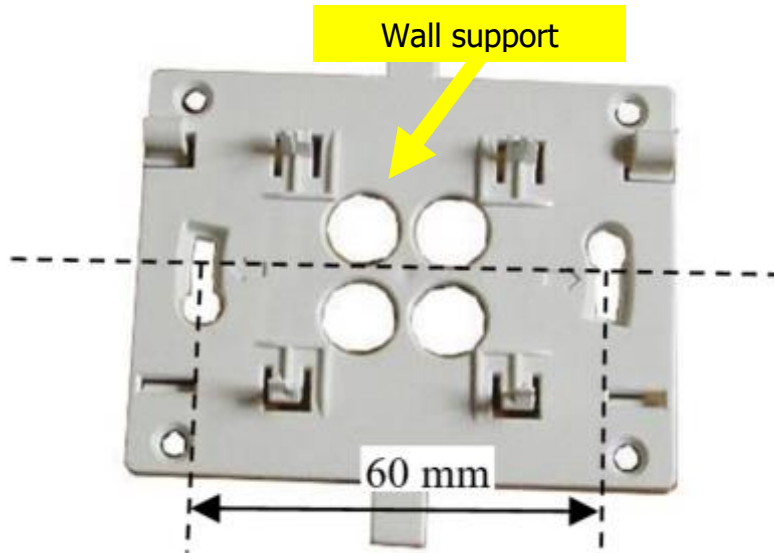
***Clean before you connect.***

***It is important that all fibre connectors and adapters are cleaned prior to mating using approved local practice. Failure to clean may result in either poor signal performance and/or permanent damage to the connector end faces.***

## Wall support Installation on a wall

**A wall with a flat surface will be privileged to install the wall support**

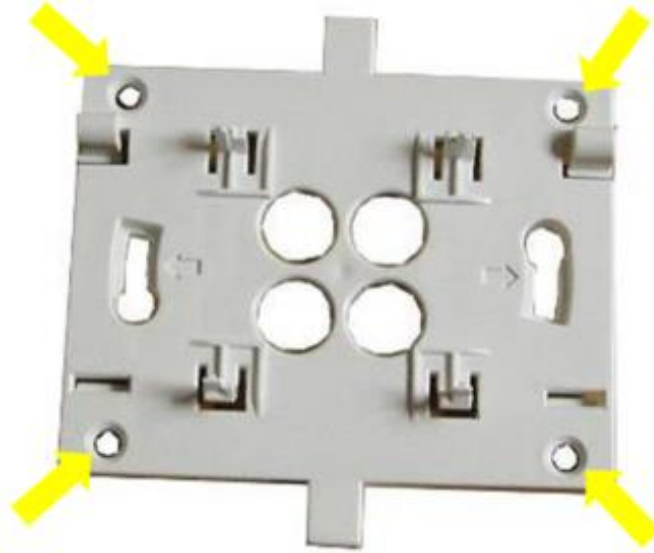
### Step 1



- Use a 6mm drill bit to make 2 holes 60 mm distant from each other.
- Insert the two wall plugs into the holes; insert the two screws in the wall plugs on few millimeters.
- Place the support over the screw and tie the screws to fix the support to the wall.

## **Wall support Installation on a wall**

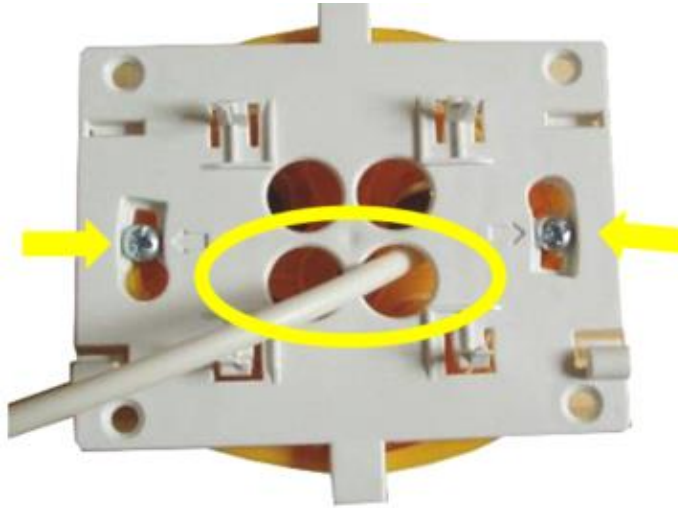
### **Step 2**



- Four additional positions are available to fix the support to the wall.

## Wall support Installation on a wall

### Step 3

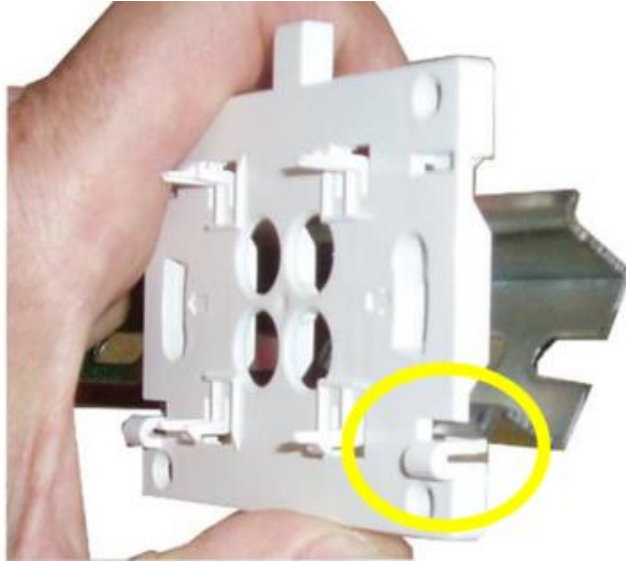


- In case of installation on an embedded wall socket, use the two screws already available.

NB: if the drop cable must enter from the inside of the wall support use one of the **two lower holes** for the cable.

## **Wall support Installation on a 35mm DIN rail**

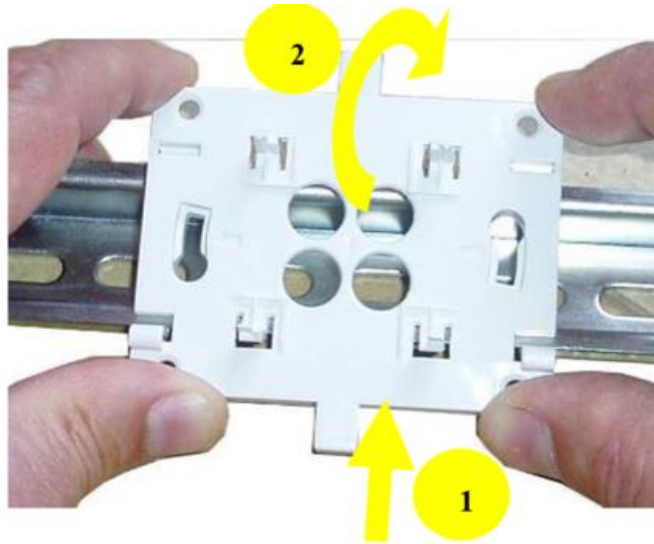
### **Step 4**



- If used inside a home hub, the wall support is mounted on a DIN rail.
- Insert the soft hooks on the DIN rail as shown.

## Wall support Installation on a 35mm DIN rail

### Step 5



- By pushing up the wall support, rotate it toward the DIN rail and clips the top hooks.
- Check the support hold properly on the DIN rail.

## **Main cover opening**

### **Step 6**



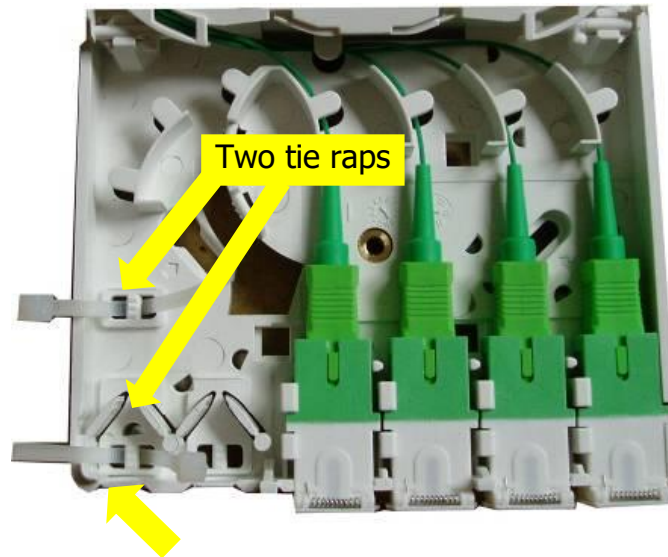
- Remove the main cover from the CTBMK2 by pressing with a finger on the top side of the base.
- Lift the cover from the base.



## Drop cable installation on a wall

**An installation of the CTBMK2 horizontal with the cable entree entry on the bottom left side will be privileged**

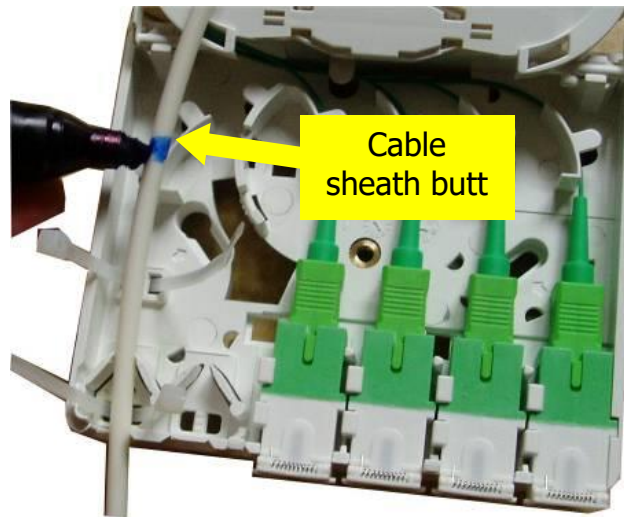
### Step 7



- Remove the square cut-out section on the front of the base using a pair of long nose pliers. Grip the section and pull forward to break off.
- Remove any burrs from the side walls and floor using a small file.
- Install the two tie raps used to fix the cable in positions.

## **Drop cable installation on a wall**

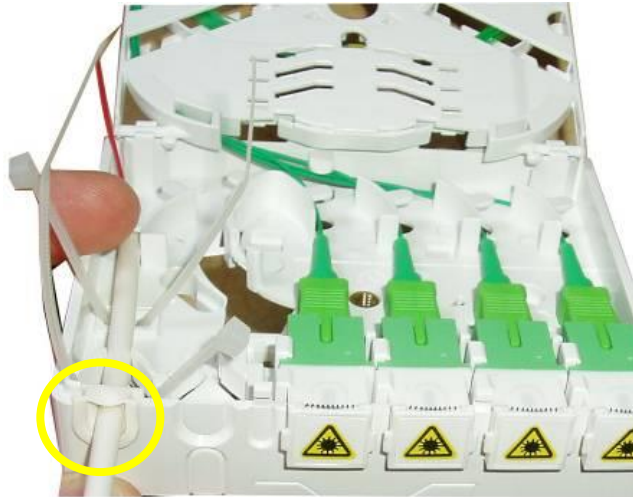
### **Step 8**



- Prepare the cable and mark the butt level with the beginning of the ramp of CTBMK2.
- Make a second mark 1 meter away from the first one and cut the cable.
- Remove the sheath and Kevlar yarns from the first butt mark.

## Drop cable installation on a wall

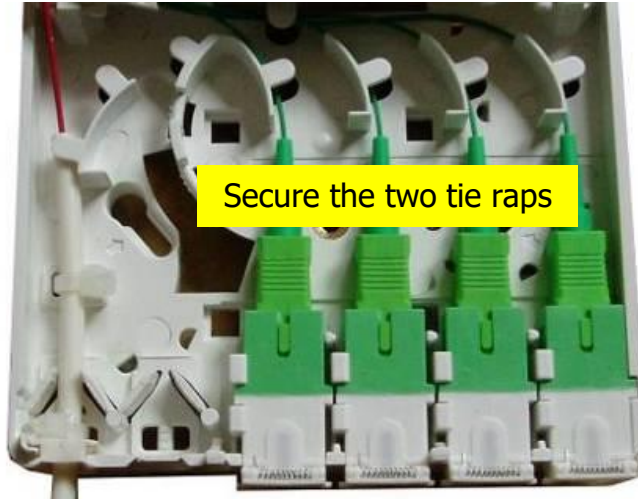
### Step 9



- Prepare then insert the membrane on the cable.
- Position the membrane on the base.

## **Drop cable installation on a wall**

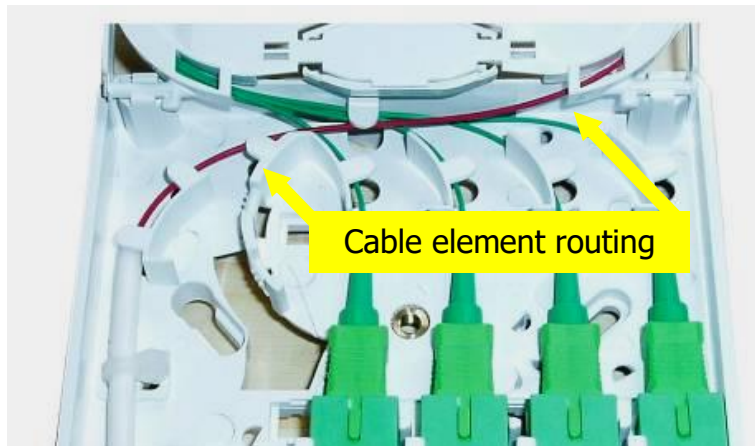
### **Step 10**



- Push the cable down into the grips and secure the cable ties.
- Cut the tie raps excess lengths.

## **Drop cable installation on a wall**

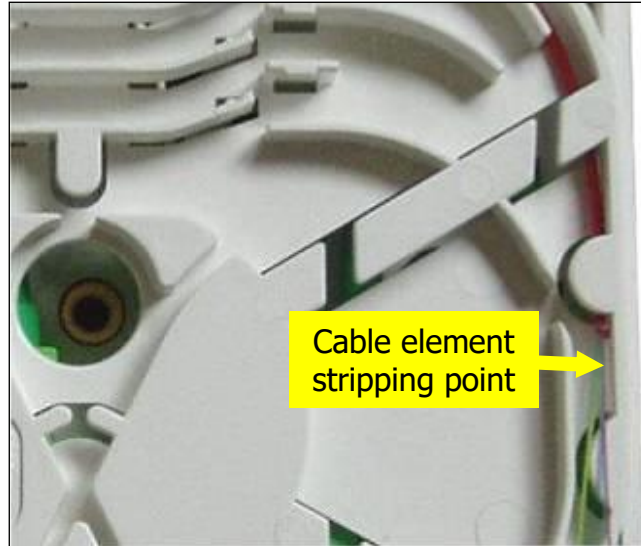
### **Step 11**



- Route the cable element underneath the tabs as shown and into the entry port of the splice tray.

## **Drop cable installation on a wall**

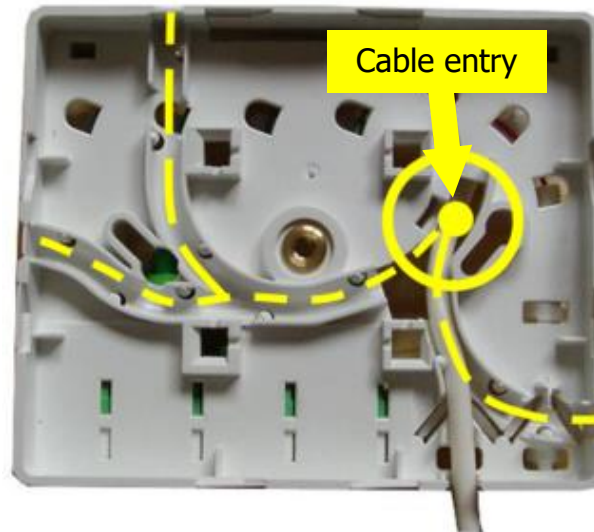
### **Step 12**



- Close the splice tray and strip the cable element sheath to expose the fibers.

## **Other possibility of installation of the drop cable**

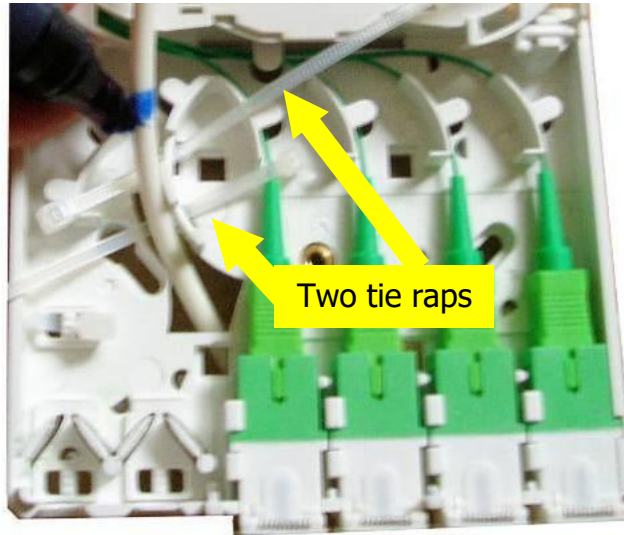
### **Step 13**



- It is possible to enter the base from the inside of it.
- Dedicated tracks can guide the cables from the four different sides of the base.
- Select the cable entry; Remove the square cut-out section on the front of the base using a pair of long nose pliers. Grip the section and pull forward to break off.
- Remove any burrs from the side walls and floor using a small file.

## Other possibility of installation of the drop cable

### Step 14

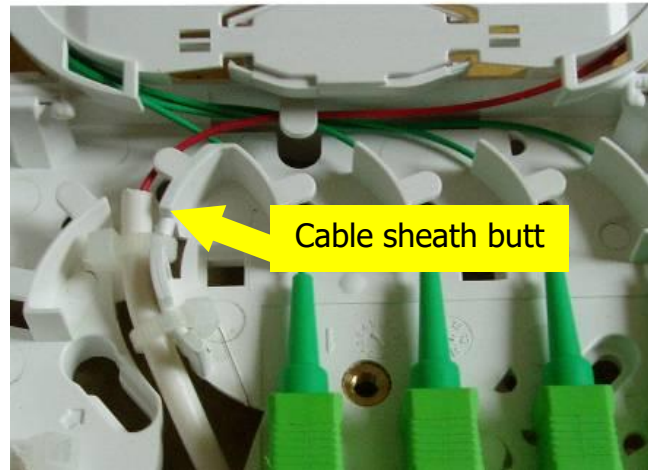


- Prepare the cable and mark the butt level with the end of the ramp of CTBMK2.
- Make a second mark 1 meter away from the first one and cut the cable.
- Remove the sheath and Kevlar yarns from the first butt mark.



## Other possibility of installation of the drop cable

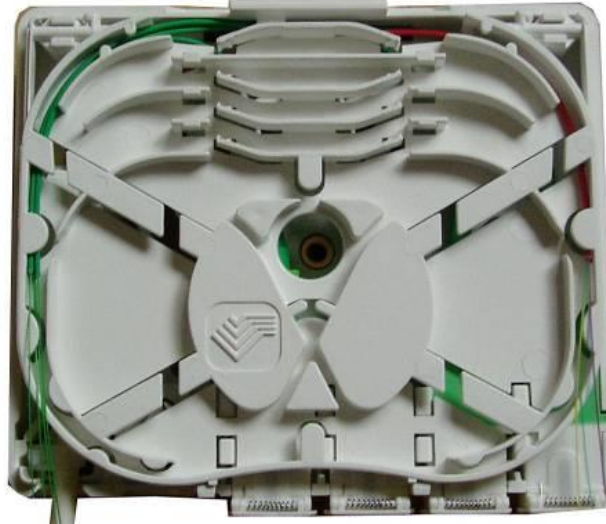
### Step 15



- Secure the cable ties and cut the excess lengths.
- Route the cable element underneath the tabs as shown and into the entry port of the splice tray.
- Go to **Step 12**.

## **Splicing Procedure**

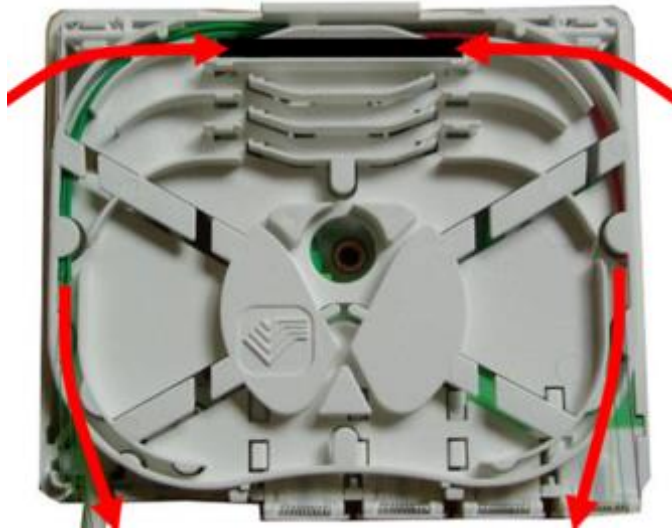
### **Step 16**



- Remove the pigtail fibers extra lengths from the tray.

## **Splicing Procedure**

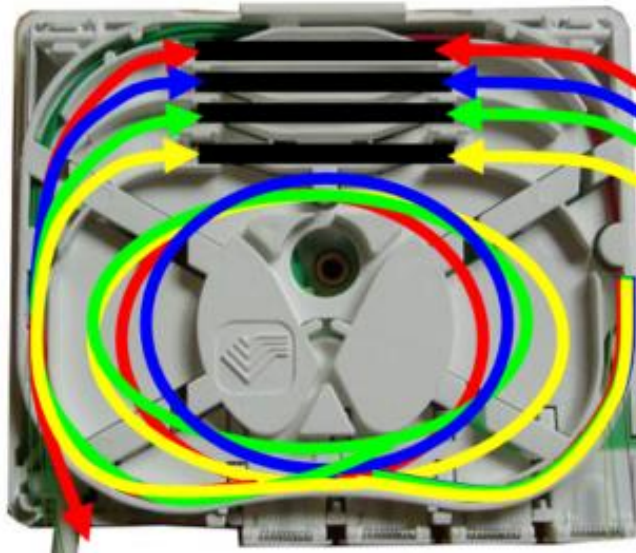
### **Step 17**



- Splice the first fiber using either a fusion or mechanical splice.
- Install the splice protector in the upper splice older.
- Repeat this step for all the fibers to be spliced.

## **Splicing Procedure**

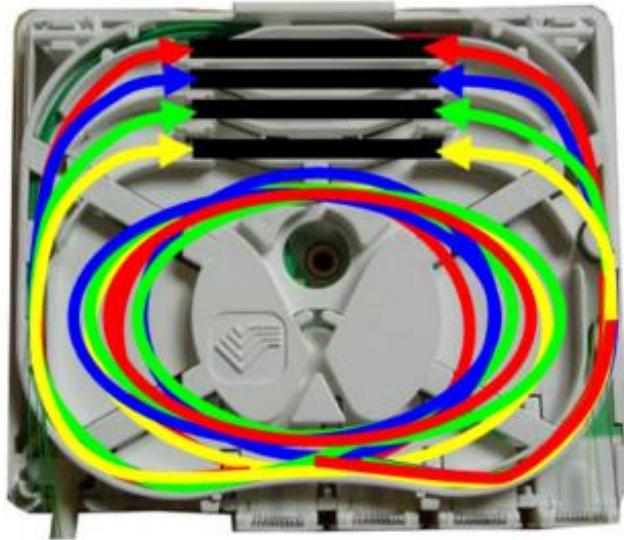
### **Step 18**



- Simultaneously coil the all the excess fibers lengths from one side of the splice protector in the central area of the tray.

## Splicing Procedure

### Step 19



- Simultaneously coil the all the excess fibers lengths from the other side of the splice protector in the central area of the tray.
- Make sure all the fibers are below all the tabs.

## **Splicing Procedure**

### **Step 20**



- To close the CTBMK2, insert the main cover in the two clips on the lower side of the base.
- Rotate the main cover towards the base until it clips.

## **CTBMK2 installation**

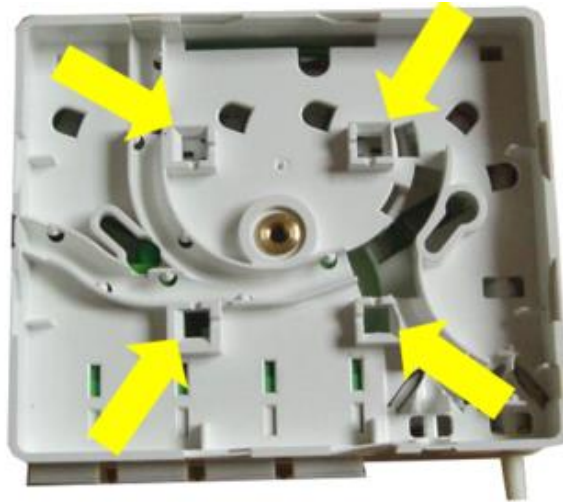
### **Step 21**



- Four clips on the wall support allows to clip the CTBMK2 in position.
- The two taps help to position the CTBMK2 against the wall support.

## **CTBMK2 installation**

### **Step 22**

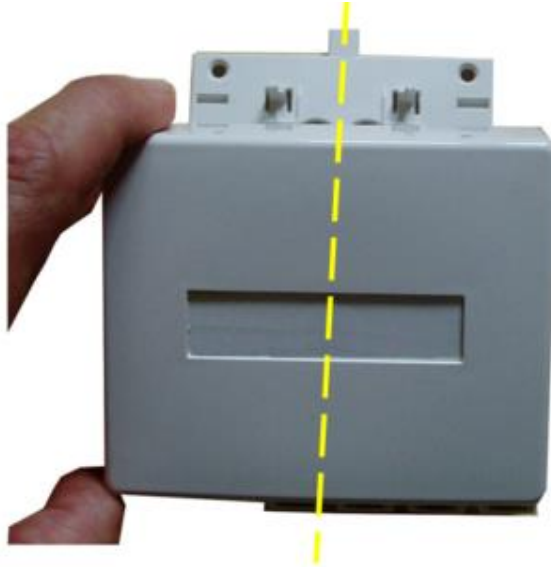


- On the base four holes are used to secure it to the wall support.



## **CTBMK2 installation**

### **Step 23**



- Position the CTBMK2 slightly below the wall support by presenting the CTBMK2 in the correct vertical axis position.

## **CTBMK2 installation**

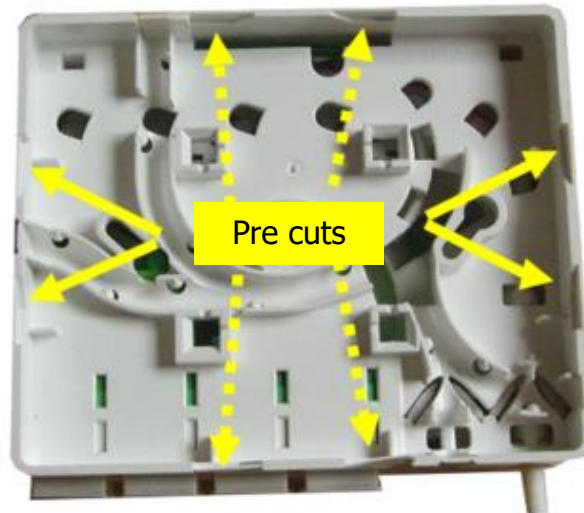
### **Step 24**



- Push the CTBMK2 up toward the wall support until it touches the tab.
- Rotate and push the CTBMK2 to clip it onto the wall support.
- Check the good positioning of the CTBMK2 to the wall support.

## **CTBMK2 installation**

### **Step 25**



- In case the CTBMK2 must be installed on a DIN rail, remove the cut-out section of the base using a pair of long nose pliers. Grip the section and pull forward to break off.
- Remove any burrs from the side walls and floor using a small file.

## **CTBMK2 installation**

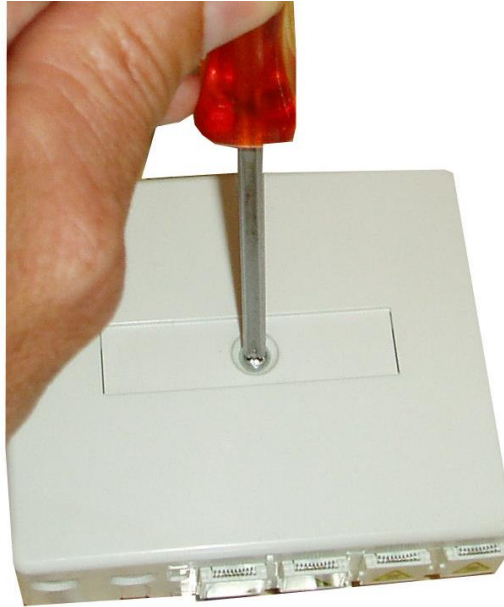
### **Step 26**



- Note the CTBMK2 can be installed vertically on the DIN rail.
- Beforehand, remove the cut-out section of the base.

## **CTBMK2 Labeling**

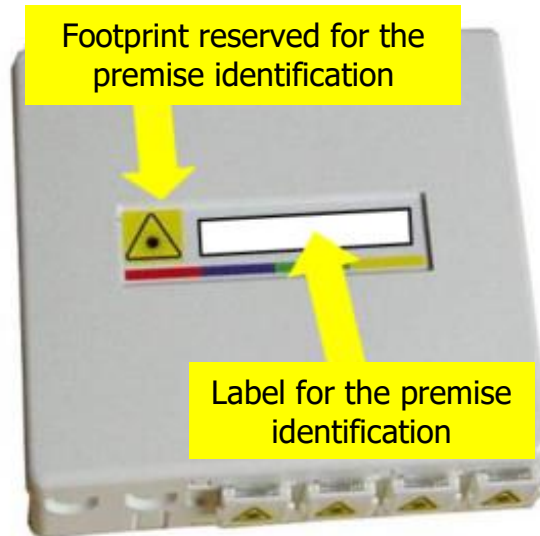
### **Step 27**



- The CTBMK2 is supplied with a screw to fix the main cover to the base.
- If necessary, fix it as shown above.

## **CTBMK2 Labeling**

### **Step 28**



- CTBMK2 is supplied with a transparent label protection cover.
- An identification label can be installed in the dedicated area on the main cover.
- Transparent label protection cover can then be installed.

## **CTBMK2 Labeling**

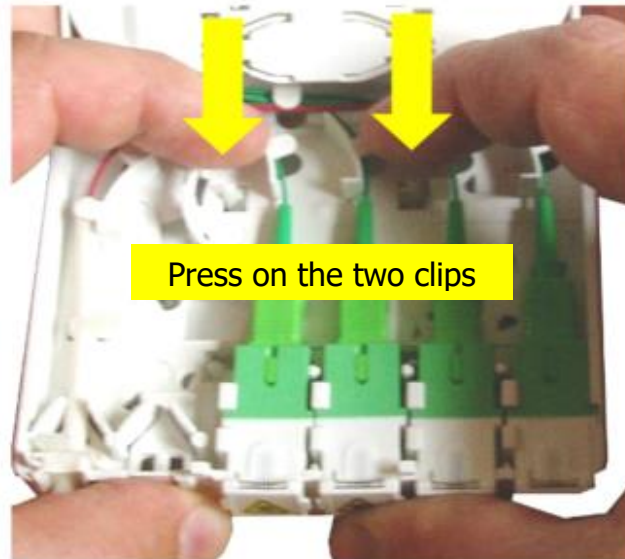
### **Step 29**



- The shutters on the adapters can then be rotated open to plug in SC patch cords when required.

## CTBMK2 removal

### Step 30



- Remove the main cover as described in **Step 6**.
- Lift the splice tray.
- With two fingers, push down the two top clips of the wall support, at the same time pivot the CTBMK2 forward to remove it from the wall support.