




POLARIS R820094 Box 6 SCM Installation Guide

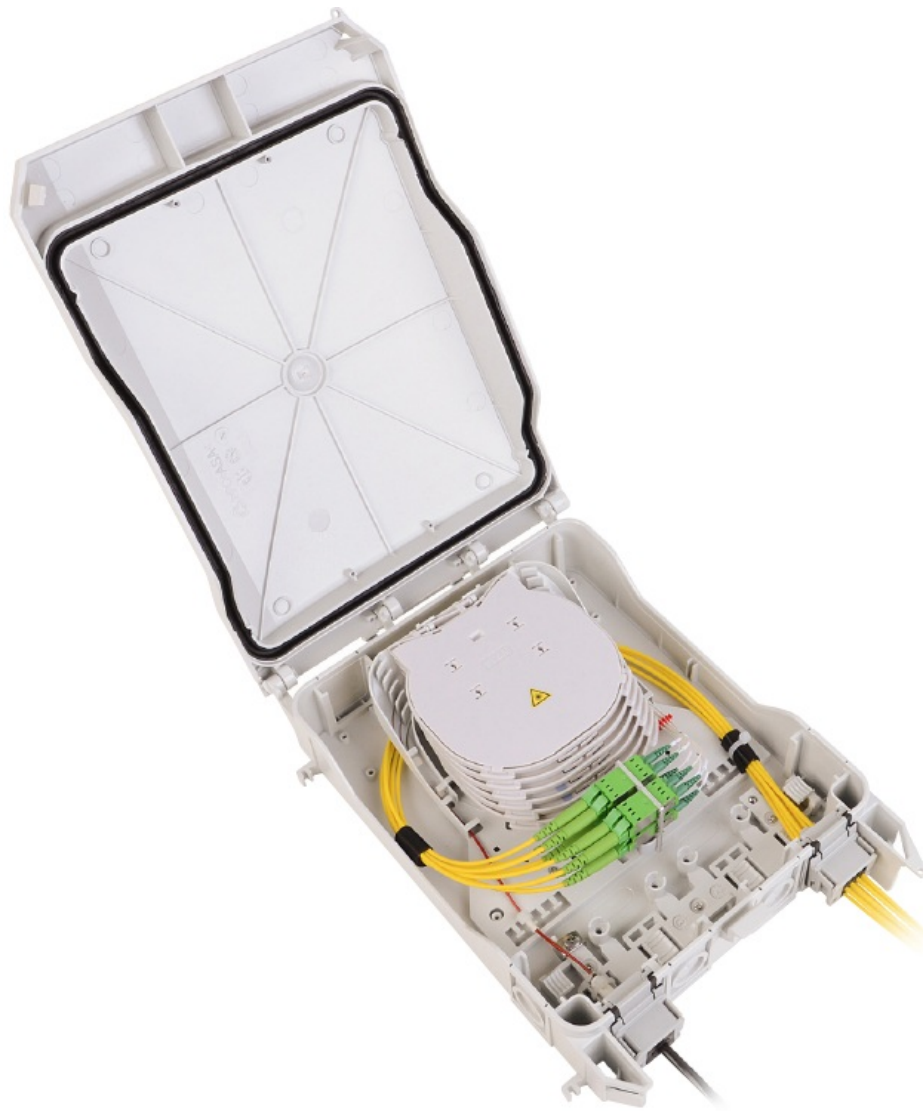
[Home](#) » [Polaris](#) » POLARIS R820094 Box 6 SCM Installation Guide 

Contents

- [1 POLARIS R820094 Box 6 SCM](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Preparation](#)
- [5 Cable entries](#)
- [6 SCM Fiber inlay](#)
- [7 Main cable entry Modular and Basic](#)
- [8 Drop cables](#)
- [9 Fiber routing](#)
- [10 Labeling](#)
- [11 Contact](#)
- [12 Documents / Resources](#)



POLARIS R820094 Box 6 SCM



Product Information

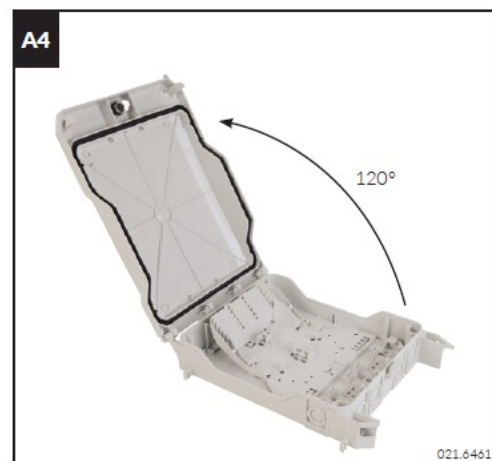
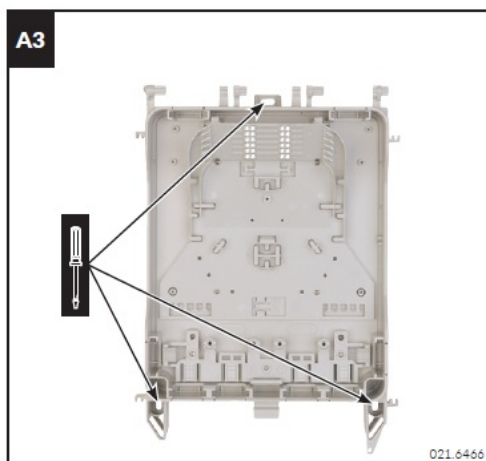
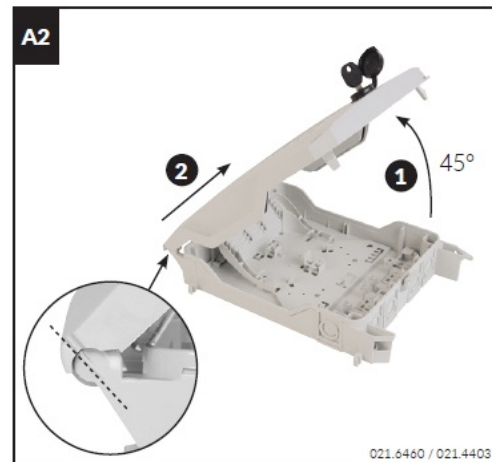
The product is the Polaris-box 6 SCM, which is a modular adapter used for installations. It comes with various components and options for mounting and connecting cables. The product is manufactured by Reichle & De-Massari AG, a company based in Switzerland.

Product Usage Instructions

1. Remove the cover by following the instructions labeled A2.
2. Identify the mounting points as indicated by A3.
3. Choose the appropriate options from the available choices listed under C1 and C2.
4. Select the desired adapter holder outside options from those listed under C3.
5. Refer to D4 for the total length of the product and D6 for the recommended mounting position.
6. Use an awl to pierce the required cable entries in the middle of the hole, as instructed under E4.
7. Prepare the drop cables by following the instructions provided under E5.
8. Secure the Kevlar fixation using the methods described in E7.
9. Ensure the maximum length of $L=500\text{mm}$ is not exceeded, as mentioned in E8.
10. For any changes in direction or orientation, refer to F3 and F6 for the appropriate instructions.
11. Use the number and color clips provided under G1 to label and organize the cables.
12. Attach the FMTS cover as directed in G2.

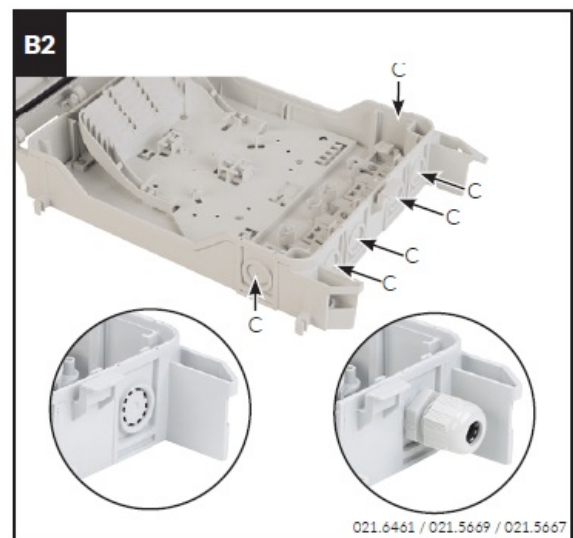
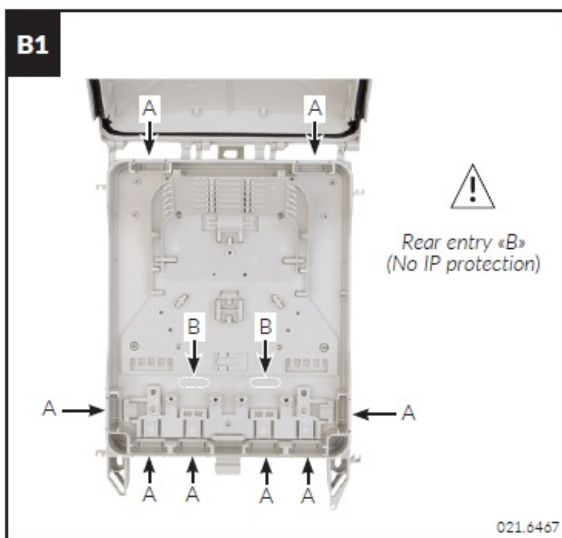
Please note that this guide is for installation purposes only. It is important to prioritize legal health and safety regulations and exercise caution while using the product. Reichle & De-Massari AG does not guarantee the guide to be error-free, and the actual products may vary from those shown in the guide.

Preparation

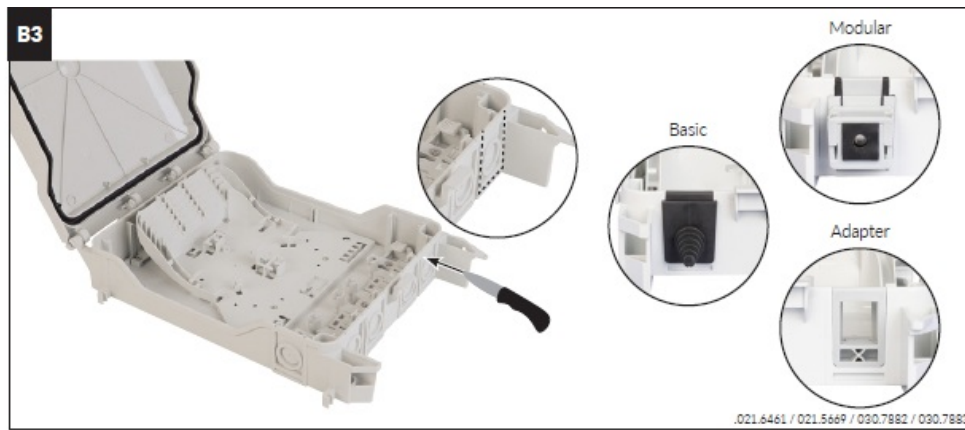


- **A1:** Unlock and open
- **A2:** Remove cover
- **A3:** Mounting points
- **A4:** Cover holding position

Cable entries



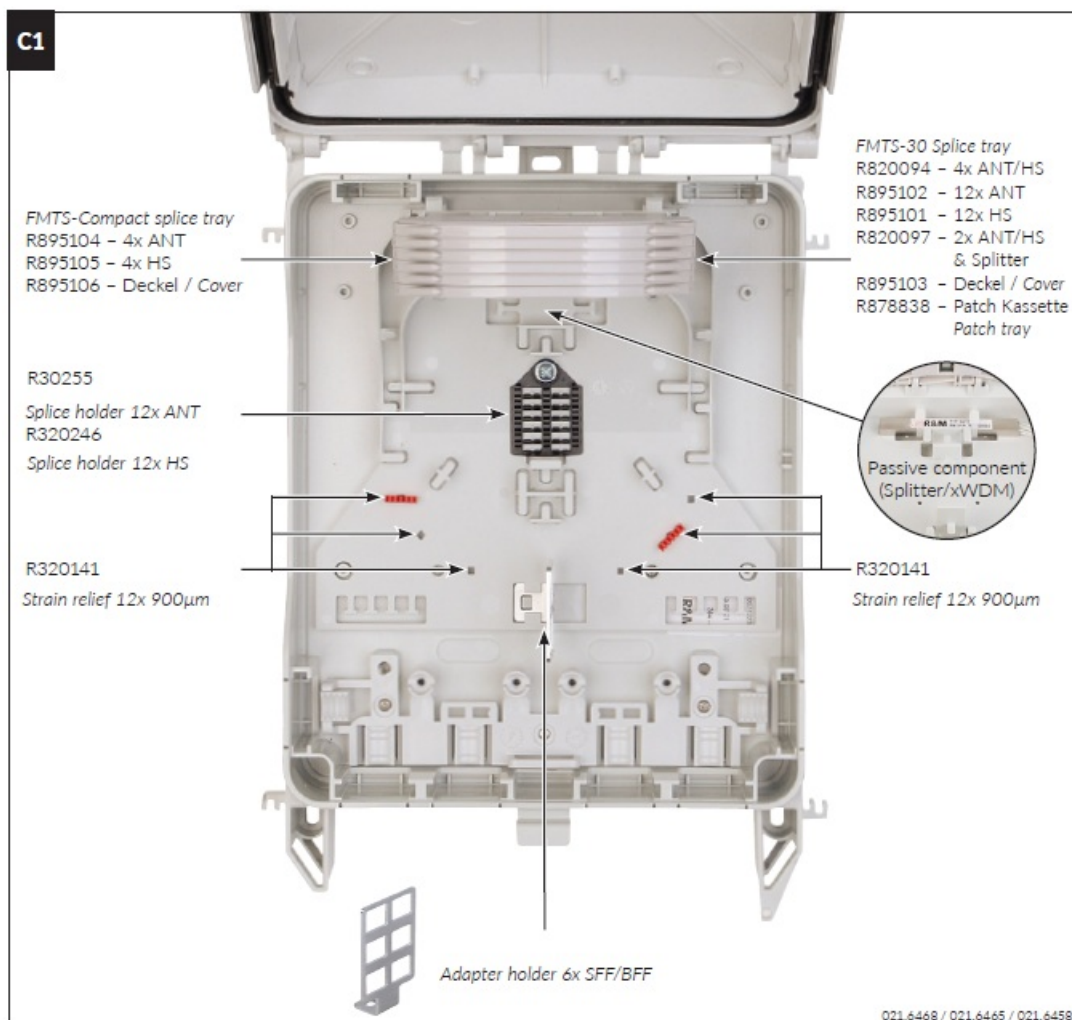
- **B1: A** – Cable entries Modular/Basic
- **B2: C** – Cable glands M16



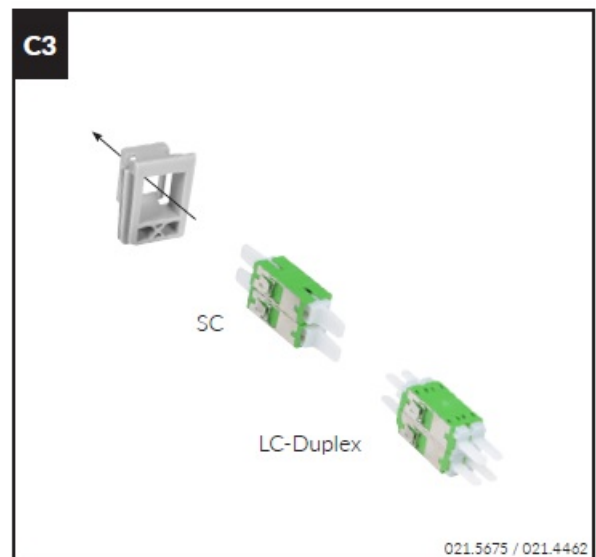
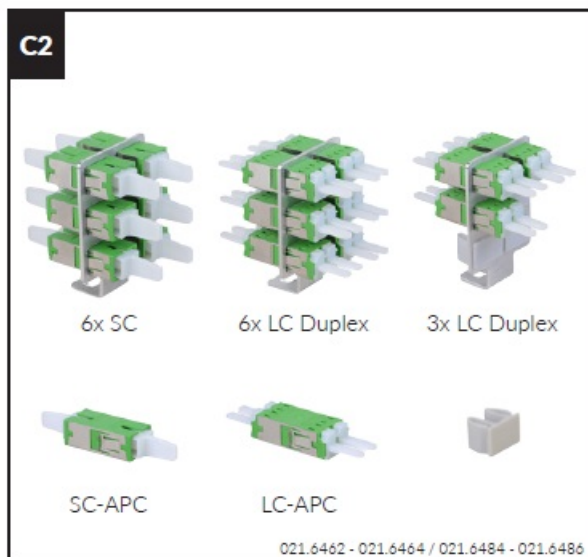
- **B3:** Overview cable entry slots and adapter holder outside
- **B4:** Collocation bridge

SCM Fiber inlay

C1: Options



- **C2:** Adapter holder inside
- **C3:** Adapter holder outside



Main cable entry Modular and Basic

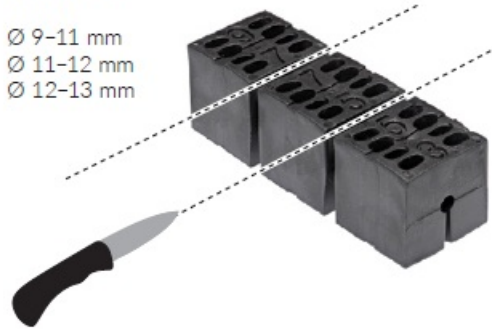
D1

090.7754

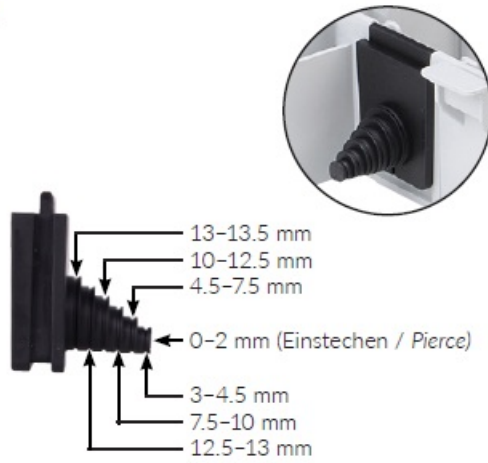
D2

Ø 3–5 mm
 Ø 5–7 mm
 Ø 7–9 mm

Ø 9–11 mm
 Ø 11–12 mm
 Ø 12–13 mm



090.7754

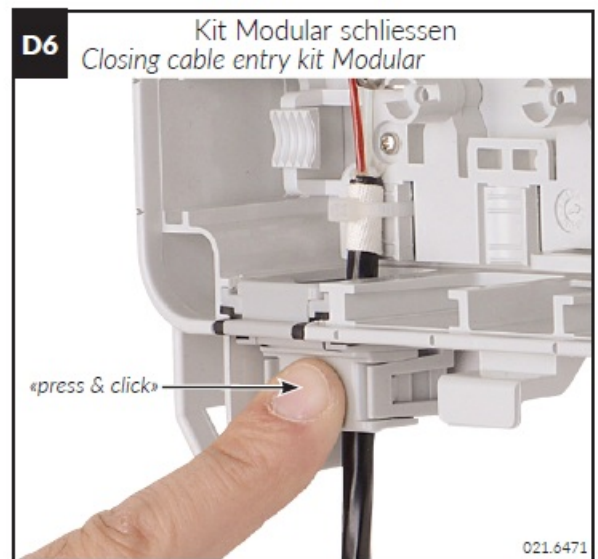
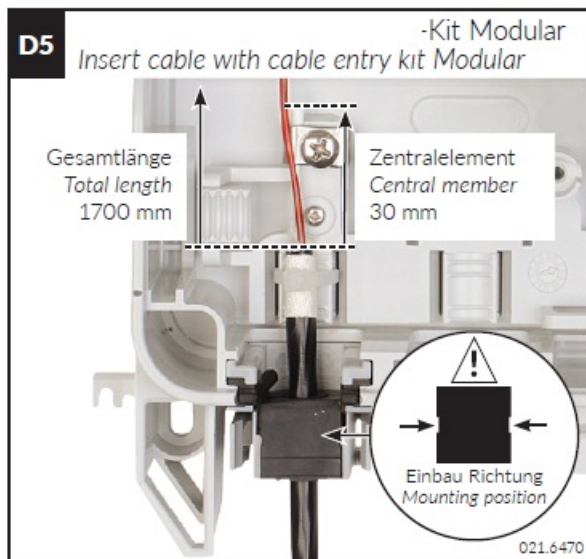
D3

021.4859 / 021.5672

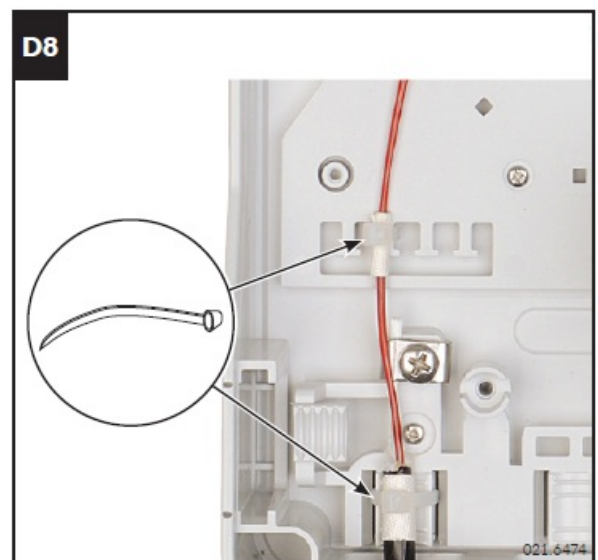
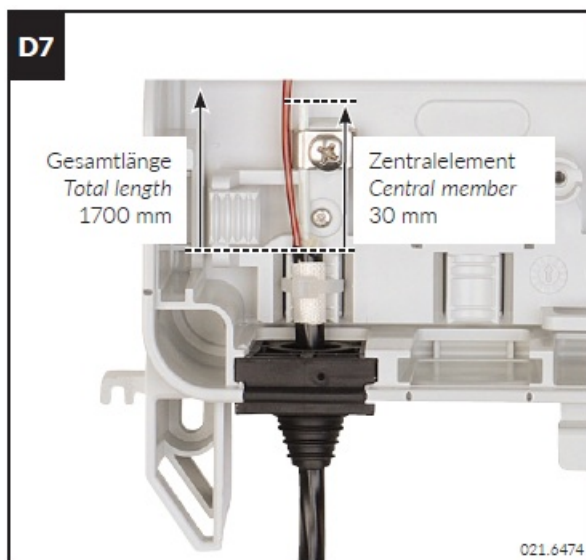
D4

021.4861

- **D1:** Modular for Ø 3–9 mm and Ø 9–13 mm
- **D2:** Cut required diameter
 - Ø 3–5 mm
 - Ø 5–7 mm
 - Ø 7–9 mm
 - Ø 9–11 mm
 - Ø 11–12 mm
 - Ø 12–13 mm
- **D3:** Basic for Ø 3–13 mm
- **D4:** Cut required diameter

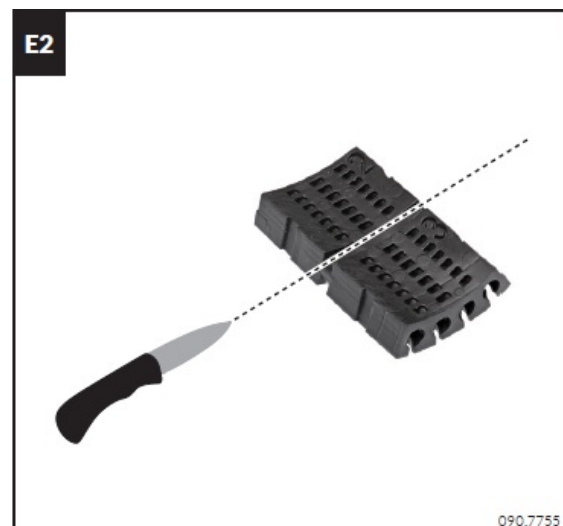


- **D5:** Insert cable with cable entry kit Modular
- **D6:** Closing cable entry kit Modular



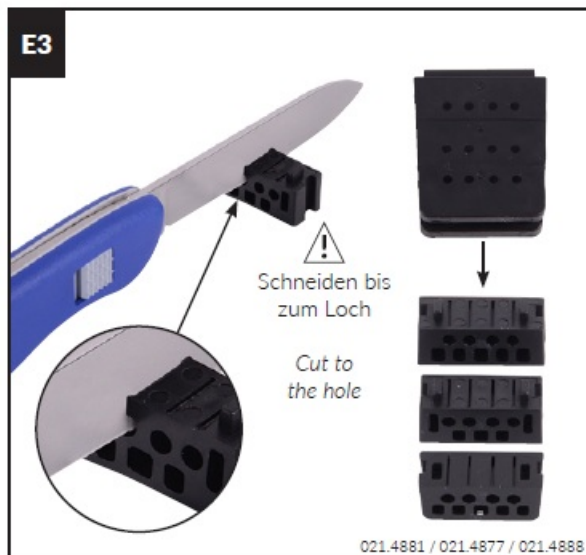
- **D7:** Insert cable with cable entry kit Basic
- **D8:** Strain relief cable and loose tube fixation

Drop cables

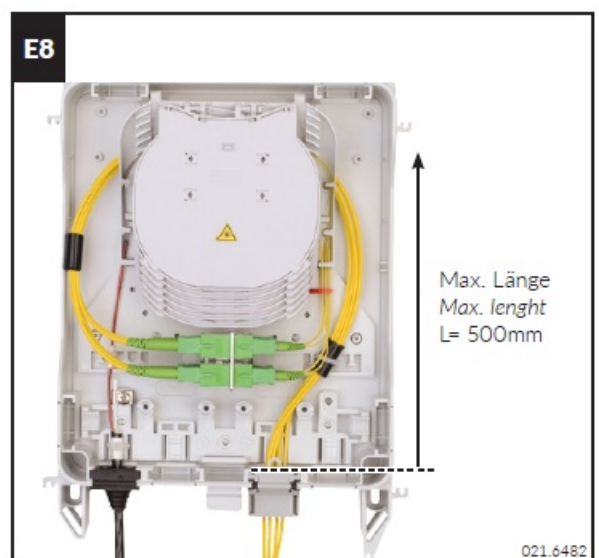
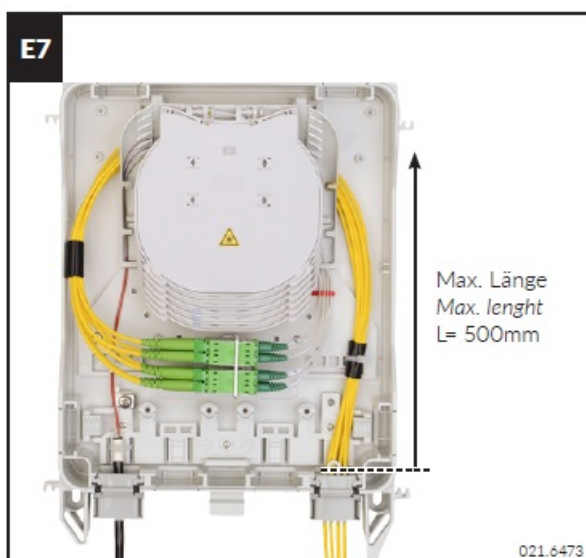
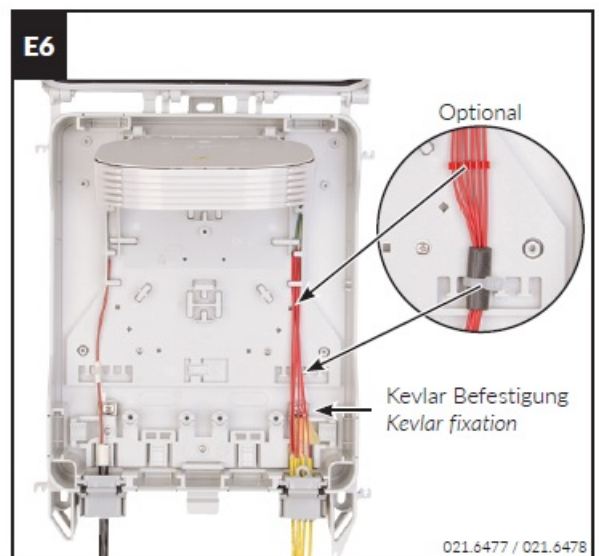
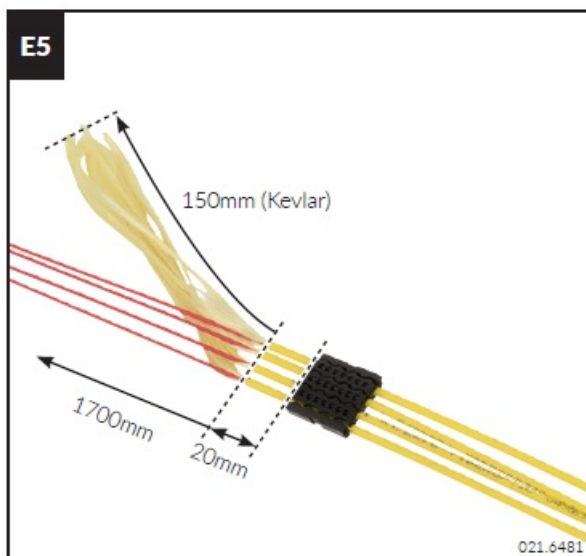


- **E1:** Modular for 12x Ø 2.0–3.0 mm

- **E2:** Cut required diameter



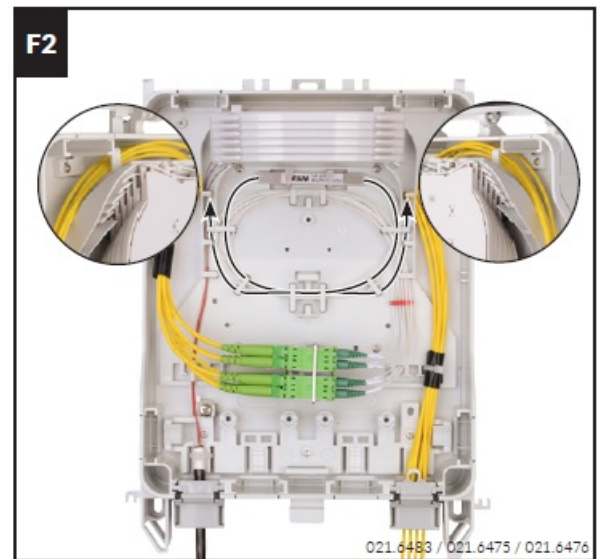
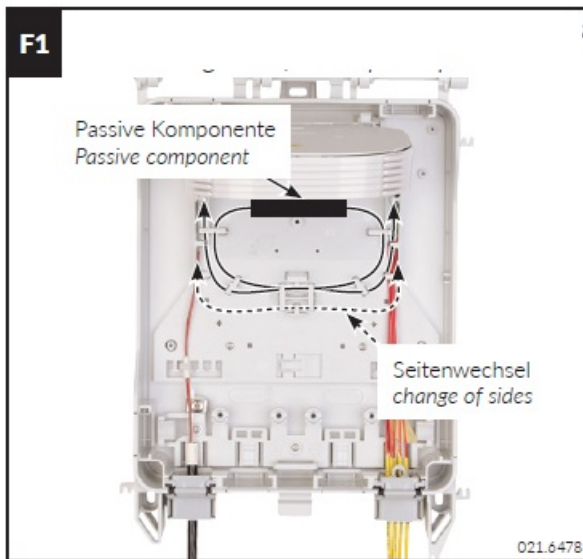
- **E3:** Basic for 12x Ø 2.0–2.7 mm
- **E4:** Basic for 8x Ø 5.0 mm



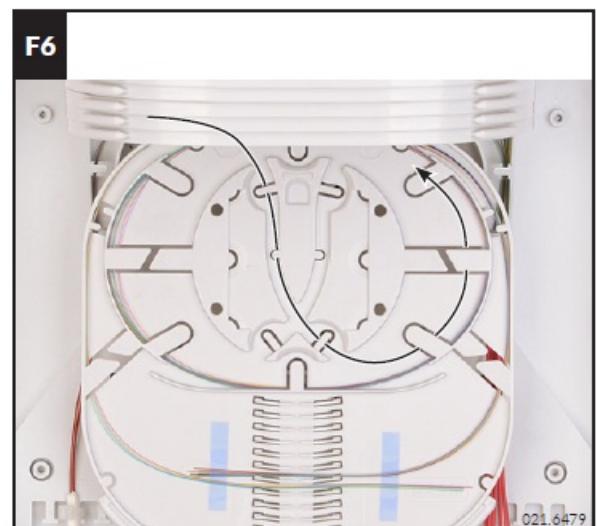
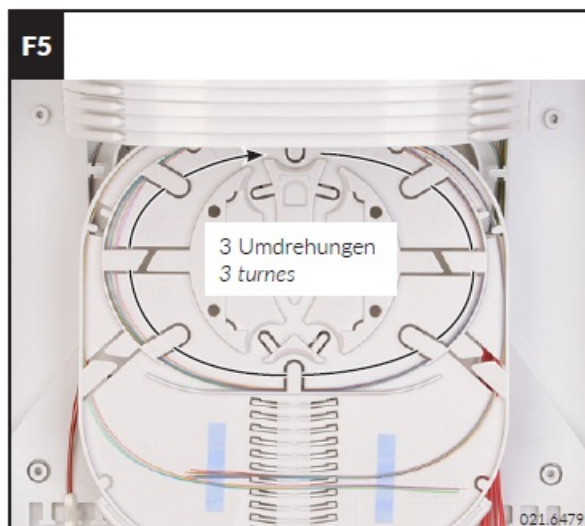
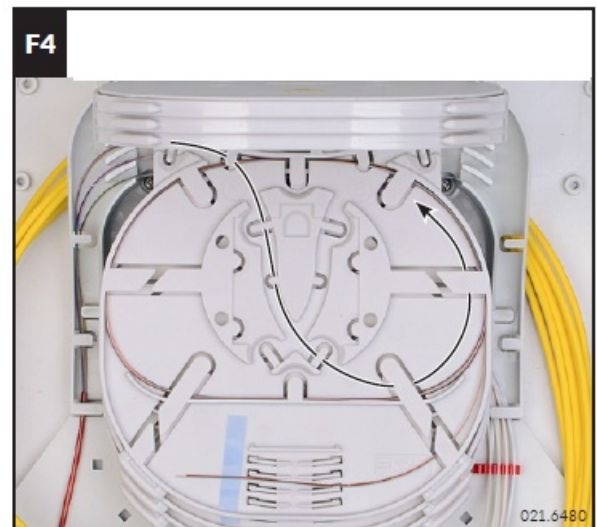
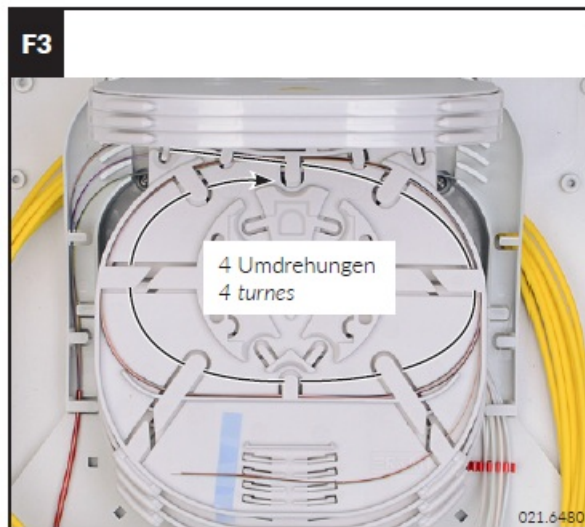
- **E5:** Prepare drop cables
- **E6:** Insert drop cables for splicing
- **E7:** Insert drop cables for patching, v1

- E8: Insert drop cables for patching, v2

Fiber routing



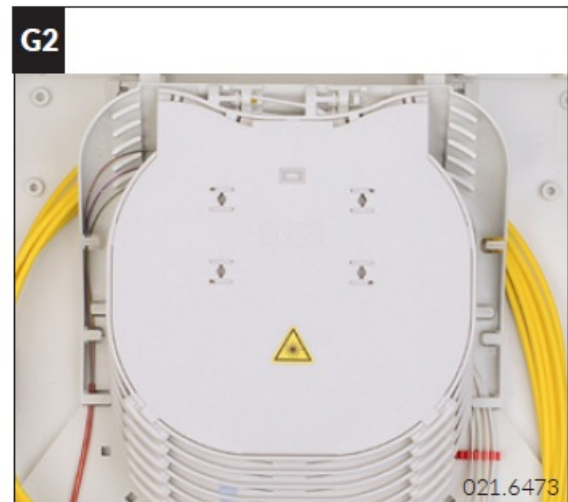
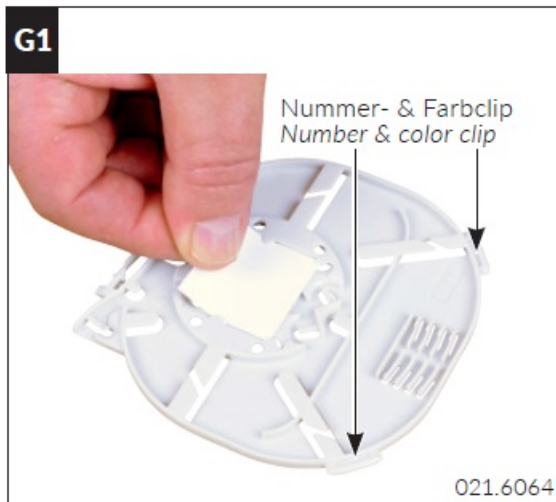
- F1: Fiber routing SCM fiber – splice/splice
- F2: Fiber routing SCM fiber – splice/patch



- F3: Splice tray FMTS-Compact, Fiber routing

- **F4:** Splice tray FMTS-Compact, change of direction
- **F5:** Splice tray FMTS-30, Fiber routing
- **F6:** Splice tray FMTS-30, change of direction

Labeling



- **G1:** Labeling options
- **G2:** FMTS cover

Please note: This guide shows the best practices for installation ONLY. R&M expressly disclaims all liability for any damage to material, equipment, and for any injury or death. Legal health and safety regulations should have priority over best practices as shown in this guide. R&M does not guarantee this guide to be free of errors. Products included may vary from products shown. Please exercise caution.

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Documents / Resources

 <p>Installation Guide: Polar R820094 Installation guide: Polar R820094</p>	<p>POLARIS R820094 Box 6 SCM [pdf] Installation Guide R820094 Box 6 SCM, R820094, Box 6 SCM, 6 SCM, SCM</p>
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Manuals+.