



# Ordering information

## Polaris-box 12 SCM assortment

### DESCRIPTION

The Polaris-box 12 SCM is a new member of R&M's Polaris family. The new generation of fiber optic connection and distribution boxes allows a secure splicing, patching and an easy integration of passive optical components. The Polaris-box family is weather resistant and fulfills the requirements of moderate or even harsh (IP65) outdoor applications. The Polaris-box 12 SCM inlay has a capacity for up to 12 FMTS-Compact splice trays and an easy (click-on) mountable adapter bracket for 6 patch connections (SC, LC-D). The modular, as set available overlength brackets allow an easy storage of loose tube (loop) or drop cable overlengths. The cable entry concept enables an easy installation of cables and micro ducts with diameters from  $\varnothing$  2.0 mm to  $\varnothing$  16.0 mm.

### ORDERING INFORMATION

| PRODUCT-NR     | PRODUKT DESCRIPTION           | SPLICE CAPACITY | TPU <sup>(1)</sup> | PATCH CAPACITY | CABLE-ENTRIES                 | Ø – CABLE                     |
|----------------|-------------------------------|-----------------|--------------------|----------------|-------------------------------|-------------------------------|
| <b>R895054</b> | Polaris-Box 12 SCM            | 48, retrofit    | 12x 1TPU           | 6x SC, 12 LC   | 8x below<br>2x top<br>2x side | Main cable:<br>Ø 3 - 16 mm    |
| <b>R895053</b> | Polaris-Box 12 SCM, with lock |                 |                    |                |                               | Drop cable:<br>16x Ø 2 - 3 mm |

TPU <sup>(1)</sup>: Tray Position Units correspond to the number of trays fixing possibilities.

### Polaris-Box 12 SCM



## OVERVIEW PROTECTION CLASS CABLE ENTRY

| Polaris Cable sealing elements description                                               | Pictures                                                                            | IP below | IP top | IP side | amount cables Ø 2-3mm | amount cables Ø 3-13mm | amount cables Ø 3-16mm |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|--------|---------|-----------------------|------------------------|------------------------|
| Cable entry IP65<br>Sealing element<br>1 x Ø 3.0mm-16.0mm                                |    | IP65     | -      | -       | -                     |                        | 1                      |
| Cable entry IP65<br>Sealing element<br>4 x Ø 3.0mm – 5.0mm                               |    | IP65     | -      | -       | -                     | -                      | 4                      |
| Cable entry IP65<br>Sealing element<br>4x 4 x Ø 2.0mm – 3.0mm                            |    | IP65     | -      | -       | 16                    | -                      | -                      |
| Cable entry IP65 (Butterfly cable)<br>Sealing element<br>4x 4 x Ø 2.0mm x 3.0mm          |    | IP65     | -      | -       | 16                    | -                      | -                      |
| Cable entry IP65 (housing) Modular<br>Sealing element<br>1 x Ø 3mm-9mm<br>1 x Ø 9mm-13mm |    | -        | IP65   | IP65    | -                     | 1                      | -                      |
| Cable entry IP65 (housing) Modular<br>Sealing element 3-layers<br>12 x Ø 2mm-3mm         |   | -        | IP65   | IP65    | 12                    | -                      | -                      |
| Cable entry IP54 Basic<br>Sealing element 1-layer (step solution) 1 x Ø 3mm-13mm         |  | -        | IP54   | IP54    | -                     | 1                      | -                      |
| Cable entry IP54 Basic<br>Sealing element 3-layers<br>12 x Ø 2mm-2.8mm                   |  | -        | IP54   | IP54    | 12                    | -                      | -                      |
| Cable entry IP54 Basic<br>Sealing element 1-layer<br>8 x Ø 5mm                           |  | -        | IP54   | IP54    | -                     | 8                      | -                      |
| Cable entry IP54 Basic<br>Sealing element 2-layers<br>3 x Ø 7mm<br>4 x Ø 2mm-2.7mm       |  | -        | IP54   | IP54    | 4                     | 3                      | -                      |
| Collocation insert Basic<br>Sealing element 1-layer<br>U-shape with cover                |  | -        | -      | IP55    | 60/30                 | 12 (Ø5)                | 2 (Ø10)                |
| Adapter entry<br>No sealing<br>1-layer<br>Usable for 2 x SC, LC-D, E-2000 adapters       |  | -        | IP20   | IP20    | -                     | -                      | -                      |

**Important:** The Polaris-box housing can reach a max. housing protection up to IP65 if the right sealing element will be used. The basic Polaris-box will be always delivered with closed knock-out able cable entries. The desired cable entry can be broken out and optionally assembled with the needed cable sealing elements from the list. The IP protection falls to the protection class according to the listed overview from above.

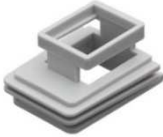
## CABLE INTRODUCTION FOR MAIN CABLE ENTRY SLOTS BELOW

**Important:** 1 pcs. of cable entry cover kit and 2 pcs. of cable entry must always be ordered per main cable slot so that the complete cable slot can be sealed.

|                                                                                     | Description                                                                                                                                                                                                                                             | Ordering-NR    |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|    | <b>Polaris cable entry cover kit</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element blind<br>1 x termination connector<br>2 x screws                               | <b>R851088</b> |
|    | <b>Polaris cable entry dummy element</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element blind                                                                      | <b>R851089</b> |
|  | <b>Polaris cable entry kit Ø 3mm - 5mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 3mm - 5mm<br>1 x cable strain relief<br>1 x central element fixation   | <b>R851090</b> |
|  | <b>Polaris cable entry kit Ø 5mm - 7mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 5mm - 7mm<br>1 x cable strain relief<br>1 x central element fixation   | <b>R851091</b> |
|  | <b>Polaris cable entry kit Ø 7mm - 9mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 7mm - 9mm<br>1 x cable strain relief<br>1 x central element fixation   | <b>R851092</b> |
|  | <b>Polaris cable entry kit Ø 9mm - 11mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 9mm - 11mm<br>1 x cable strain relief<br>1 x central element fixation | <b>R851093</b> |

|                                                                                     |                                                                                                                                                                                                                                                           |                |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|    | <b>Polaris cable entry kit Ø 11mm - 13mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 11mm - 13mm<br>1 x cable strain relief<br>1 x central element fixation | <b>R851094</b> |
|    | <b>Polaris cable entry kit Ø 13mm - 14mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 13mm - 14mm<br>1 x cable strain relief<br>1 x central element fixation | <b>R851095</b> |
|    | <b>Polaris cable entry kit Ø 14mm - 15mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 14mm - 15mm<br>1 x cable strain relief<br>1 x central element fixation | <b>R851096</b> |
|   | <b>Polaris cable entry kit Ø 15mm - 16mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element Ø 3mm - 5mm<br>1 x cable strain relief<br>1 x central element fixation   | <b>R851097</b> |
|  | <b>Polaris cable entry kit 16x Ø 2mm - 3mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>4 x sealing element 4 x Ø 2mm - 3mm                                                        | <b>R851098</b> |
|  | <b>Polaris cable entry Kit 16x 2mm x 3mm</b><br>Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>4 x sealing element 4 x 2mm x 3mm (Butterfly cable)                                          | <b>R851099</b> |
|  | <b>Polaris cable entry kit 4 x Ø 4 mm - 5 mm</b><br>Cable Sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing<br>VE: 1 piece<br>1 x sealing element 4 x Ø 4mm - 5mm                                                      | <b>R851101</b> |

## OPTIONS CABLE ENTRY

|                                                                                   | Description                                                                                                                                                                            | Ordering-NR    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>Strain relief butterfly cable</b><br>Strain relief for butterfly cable for retrofitting<br><br>VE: 1 piece<br>4x strain relief for 2.0mm x 3.0mm butterfly cable                    | <b>R851100</b> |
|  | <b>Polaris collocation insert IP55</b><br>Box connection bridge for retrofitting the lateral cable transfer between two boxes<br><br>VE: 1 piece<br>1x U-frame with cover              | <b>R820290</b> |
|  | <b>Polaris Adapter Entry SC / LC-D / E-2000™</b><br>Adapter insert for re-fitting with external adapter. 2x flangeless adapters can be mounted.<br><br>VE: 1 piece<br>1x adapter entry | <b>R820291</b> |

## MORE OPTIONS

|                                                                                     | Description                                                                                                                                                                                         | Ordering-NR    |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   | <b>Polaris-box 12-SCM overlength holder Kit</b><br>Fiber storage for Loose tube, Drop- and Patch cord<br><br>VE: 1 piece.<br>1 x Aluminum overlength holder<br>2 x Nylon push-In rivet ø6, L2.5-4.0 | <b>R895059</b> |
|  | <b>Polaris-box 12 SCM adapter holder kit</b><br>Adapter field for 6 adapters<br><br>VE: 1 piece<br>1 x Adapter holder for 6x SFF/BFF<br>1 x Nylon push-In rivet ø6, L2.5-4.0                        | <b>R895062</b> |

## SCM SPLIC TRAY - SYSTEM FMTS-COMPACT

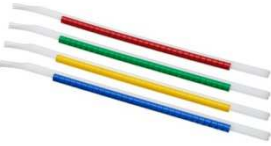
|                                                                                     | Description                                                                                                                                   | TPU | Ordering-NR    |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------|
|  | <b>FMTS Compact 4x ANT (1x)</b><br>FMTS-Compact Splice tray for 4 ANT splice protections (Ø2.3 - 2.7mm)<br>PU: 1 pcs.<br>1 x FMTS Compact ANT |     | <b>R895104</b> |
|  | <b>FMTS Compact 4x HS (1x)</b><br>FMTS-Compact Splice tray for 4 HS splice protections (Ø2.3 - 2.7mm)<br>PU: 1 pcs.<br>1 x FMTS Compact HS    |     | <b>R895105</b> |

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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   | <b>FMTS Compact 4x ANT (12x)</b><br>FMTS-Compact Splice tray for 4 ANT splice protections (Ø2.3 - 2.7mm)<br>PU: 12 pcs.<br>1 x FMTS Compact ANT | <b>R878850</b> |
|   | <b>FMTS Compact 4x HS (12x)</b><br>FMTS-Compact Splice tray for 4 HS splice protections (Ø2.3 - 2.7mm)<br>PU: 12 pcs.<br>1 x FMTS Compact HS    | <b>R878851</b> |
|   | <b>FMTS Compact Splice tray Cover, grey (1x)</b><br><b>FMTS-Compact COVER-GY</b><br><br>FMTS-Compact Splice tray Cover<br><br>VE: 1 pcs.        | <b>R895106</b> |
|  | <b>FMTS Compact Splice tray Cover, grey (12x)</b><br><b>FMTS-Compact COVER-GY</b><br><br>FMTS-Compact Splice tray Cover<br><br>VE: 12 pcs.      | <b>R878853</b> |

TPU <sup>(1)</sup>: Tray Position Units correspond to the number of trays fixing possibilities.

#### ACCESSORIES FMTS SPLICE TRAY SYSTEM

|                                                                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Ordering-NR                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>FMTS-Compact Labeling Sheet A4</b><br><b>FMTS-Compact LABEL-A4</b><br><br>FMTS Compact label-sheet in A4 format, 48 labels per sheet<br><br>PU: 10 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>R885111</b>                                                                                                                                                                   |
|  | <b>Marker Clips "0", White, D2.3-3.0mm</b><br><b>Marker Clips "1", White, D2.3-3.0mm</b><br><b>Marker Clips "2", White, D2.3-3.0mm</b><br><b>Marker Clips "3", White, D2.3-3.0mm</b><br><b>Marker Clips "4", White, D2.3-3.0mm</b><br><b>Marker Clips "5", White, D2.3-3.0mm</b><br><b>Marker Clips "6", White, D2.3-3.0mm</b><br><b>Marker Clips "7", White, D2.3-3.0mm</b><br><b>Marker Clips "8", White, D2.3-3.0mm</b><br><b>Marker Clips "9", White, D2.3-3.0mm</b><br><br>Numbering clips for marking the FMTS splice trays or loose tubes (2.3 – 3.0mm)<br><br>PU: 10 strips (30 clips per strip) | <b>R813861</b><br><b>R813862</b><br><b>R813863</b><br><b>R813864</b><br><b>R813865</b><br><b>R813866</b><br><b>R813867</b><br><b>R813868</b><br><b>R815258</b><br><b>R815259</b> |

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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  | <p><b>Marker Clip Set "0-9", White, D2.3-3.0mm</b></p> <p>Numbering clip set for marking FMTS splice trays or loose tubes (2.3 – 3.0mm)<br/> Content: 2x "1" / 2x "2" / 1x "3"- "9" / 1x "0"</p> <p>PU: 1 set (12 strips)</p>                                                                 | <p><b>R830929</b></p>                                                             |
|  | <p><b>Marker Clips Red, D2.3-3.0mm</b><br/> <b>Marker Clips Green, D2.3-3.0mm</b><br/> <b>Marker Clips Yellow, D2.3-3.0mm</b><br/> <b>Marker Clips Blue, D2.3-3.0mm</b></p> <p>Clip for marking FMTS splice trays for loose tubes (2.3 - 3.0mm)</p> <p>PU: 10 strips (30 clips per strip)</p> | <p><b>R815260</b><br/> <b>R815261</b><br/> <b>R815262</b><br/> <b>R815263</b></p> |