

Ordering information

Polaris-box family 16/24/36 assortment

DESCRIPTION

Polaris-box 16/24/36 is the new generation R&M fiber optic boxes assortment for indoor and outdoor fiber termination. It expands R&M FTTH portfolio for the segment of single and multi-dwelling units. The new Polaris boxes are multi-talented. The new Polaris-box family is specially design for the use in single-family dwellings (FTU's) and for bigger building complexes (MDU's). Field of use reach from the building entrance point (BEP), fiber optic drop box (FDB) and floor distributor (FD). The fiber guide element supports patch, splice and splitter configurations as well as individual configurations. All typical FTTH topologies are feasible. The basic configuration of the Polaris-box 16 in the swiveling fiber inlay provides 24 splice and up to 16/24 patch connections. The bigger two boxes Polaris-box 24/36 have an adapter field up to 24/36 adapter LC-D, SC, E-2000 and a separate splice area which can be extended up to 144/288 fiber connections with 12/24 FMTS (Fiber Management Tray System) 1TPU splice cassettes or 2TPU splitter cassettes. With the integrated sealing concept, the Polaris-boxes can reach the requirements of protection class IP65. The unique modular sealing solution with pre slotted sealing elements allows an easy cable installation.

ORDERING INFORMATION

PRODUCT-NR	PRODUKT DESCRIPTION	SPLICE CAPACITY	TPU ⁽¹⁾	PATCH CAPACITY	CABLE-ENTRIES	Ø – CABLE
R851084	Polaris-box 16	24 (Standard)	NA	16 (24)x SFF 16 (24)x BFF	4x below 2x top 2x side	Main cable: Ø 3 - 16 mm Drop cable: 16x Ø 2 - 3 mm
R851085	Polaris-box 16, with lock					
R851086	Polaris-Box 24	144, retrofit	12x 1TPU 6x 2TPU	24x SFF 24x BFF	8x below 2x top 2x side	Main cable: Ø 3 - 16 mm Drop cable: 16x Ø 2 - 3 mm
R851087	Polaris-Box 24, with lock					
R851082	Polaris-Box 36	288, retrofit	24x 1TPU 12x 2TPU	36x SFF 36x BFF	12x below 2x top 2x side	Main cable: Ø 3 - 16 mm Drop cable: 16x Ø 2 - 3 mm
R851083	Polaris-Box 36, with lock					

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

Polaris-Box 16



Polaris-Box 24



Polaris-Box 36



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 Sealing element 1 x Ø 3.0mm-16.0mm		IP65	-	-	-		1
Cable entry IP65 Sealing element 4 x Ø 3.0mm – 5.0mm		IP65	-	-	-	-	4
Cable entry IP65 Sealing element 4x 4 x Ø 2.0mm – 3.0mm		IP65	-	-	16	-	-
Cable entry IP65 (Butterfly cable) Sealing element 4x 4 x Ø 2.0mm x 3.0mm		IP65	-	-	16	-	-
Cable entry IP65 (housing) Modular Sealing element 1 x Ø 3mm-9mm 1 x Ø 9mm-13mm		-	IP65	IP65	-	1	-
Cable entry IP65 (housing) Modular Sealing element 3-layers 12 x Ø 2mm-3mm		-	IP65	IP65	12	-	-
Cable entry IP54 Basic Sealing element 1-layer (step solution) 1 x Ø 3mm-13mm		-	IP54	IP54	-	1	-
Cable entry IP54 Basic Sealing element 3-layers 12 x Ø 2mm-2.8mm		-	IP54	IP54	12	-	-
Cable entry IP54 Basic Sealing element 1-layer 8 x Ø 5mm		-	IP54	IP54	-	8	-
Cable entry IP54 Basic Sealing element 2-layers 3 x Ø 7mm 4 x Ø 2mm-2.7mm		-	IP54	IP54	4	3	-
Collocation insert Basic Sealing element 1-layer U-shape with cover		-	-	IP55	60/30	12 (Ø5)	2 (Ø10)
Adapter entry No sealing 1-layer 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.

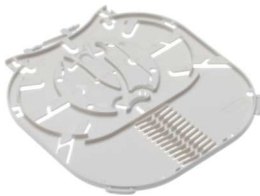
	Description	Ordering-NR
	Polaris cable entry cover kit Cable sealing element for re-fitting the cable entries on the Polaris-box 16/24/36 housing VE: 1 piece 1 x sealing element blind 1 x termination connector 2 x screws	R851088
	Polaris cable entry dummy element Cable sealing element for re-fitting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

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

OPTIONS CABLE ENTRY

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

SCM SPLISSKASSETTEN - SYSTEM FMTS30

	Description	TPU	Ordering-NR
	FMTS Splice Tray 4HS/4ANT, gray FMTS-HS4/ANT4-1TPU-GY FMTS splice tray for 4 heat shrink splice protectors (Ø2.3 - 2.7mm) or 4 sandwich splice protectors (ANT) PU: 12 pcs.	1	R820094
	FMTS Splice Tray 12HS, gray FMTS-HS12-1TPU-GY FMTS splice tray for 12 heat shrink splice protectors (Ø2.3 - 2.7mm) PU: 12 pcs.	1	R820095
	FMTS Splice Tray 12ANT, gray FMTS-ANT12-1TPU-GY FMTS splice tray for 12 sandwich splice protectors (ANT) PU: 12 pcs.	1	R820096

	FMTS Splice Tray Splitter, gray FMTS-SPLIT-2TPU-GY FMTS splice tray for splitter max. 2:32 (60x16x7) incl. splice holder for 2 heat shrink splice protectors (Ø2.3 - 2.7mm) or 2 sandwich splice protectors (ANT) PU: 6 pcs.	2	R820097
	FMTS Splice Tray Cover, gray FMTS-COVER-GY FMTS splice tray cover PU: 12 pcs.		R820098

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

ACCESSORIES FMTS SPLICE TRAY SYSTEM

	Description	Ordering-NR
	FMTS Labeling Sheet A4 FMTS-LABEL-A4 FMTS label-sheet in A4 format, 35 labels per sheet PU: 10 pcs	R830928
	Marker Clips "0", White, D2.3-3.0mm Marker Clips "1", White, D2.3-3.0mm Marker Clips "2", White, D2.3-3.0mm Marker Clips "3", White, D2.3-3.0mm Marker Clips "4", White, D2.3-3.0mm Marker Clips "5", White, D2.3-3.0mm Marker Clips "6", White, D2.3-3.0mm Marker Clips "7", White, D2.3-3.0mm Marker Clips "8", White, D2.3-3.0mm Marker Clips "9", White, D2.3-3.0mm Numbering clips for marking the FMTS splice trays or loose tubes (2.3 – 3.0mm) PU: 10 strips (30 clips per strip)	R813861 R813862 R813863 R813864 R813865 R813866 R813867 R813868 R815258 R815259
	Marker Clip Set "0-9", White, D2.3-3.0mm Numbering clip set for marking FMTS splice trays or loose tubes (2.3 – 3.0mm) Content: 2x "1" / 2x "2" / 1x "3"- "9" / 1x "0" PU: 1 set (12 strips)	R830929
	Marker Clips Red, D2.3-3.0mm Marker Clips Green, D2.3-3.0mm Marker Clips Yellow, D2.3-3.0mm Marker Clips Blue, D2.3-3.0mm Clip for marking FMTS splice trays for loose tubes (2.3 - 3.0mm) PU: 10 strips (30 clips per strip)	R815260 R815261 R815262 R815263