Polaris-Box 6

The Polaris-box is a new generation of fiber optic distribution solution for splicing, patching, that enables an easy integration of passive optical components. The Polaris-box is weather resistant and fulfills the requirement of moderate or even harsh (IP65) outdoor applications.
The Polaris-box 6 has a fully integrated fiber management system for up to 12 splices and 6 (12) connections with SC, E-2000 and LC-D (SFF) adapter. To increase the amount of splices or splitters, up to four 1TPU or two 2TPU splitter trays (R30mm) can be implemented. The Polaris-box 6 can totally support up to 60 splice connections.

Technical datas

Criteria		Date / value
Housing & Cover	Material	Plastic, PC / ABS
	Color	Light grey / RAL 7035
Fiber guide & cable strain relive	Material	Plastic, ABS / PC
	Color	Light grey / RAL 7035
Cable entry housing	Material	Plastic, ABS / PC
	Color	Light grey / RAL 7035
Cable entry	Material	EPDM+PP Santoprene 101-64
	Color	Black, RAL9005
Halogen free	Material	yes
PVC-free	Material	yes
Heavy metal free	Material	yes
Screws and small parts	Material	Stainless steel
Housing	IP Protection	IP 67
Sealing elements basic	IP Protection	IP 54
Sealing elements modular	IP Protection	IP 65
Polaris-box 6 empty	Weight net	0.72 kg
	Weight packed	0.90 kg
Housing size	H x W x D (mm)	289 x 208 x 63 (mm)
Packaging size	H x W x D (mm)	300 x 215 x 70 (mm)

Standards

Standard	Description
IEC60529	Housing Protection degree
IEC61753-1	General guidance for performance standards

Mechanical characteristics

Criteria	Date / value
Light construction	98 % plastic and 2% steel (screws and small parts)
High stability and resistance	PC / ABS - plastic
2 Cable entry top	Ø 3 – 13mm, 12 x Ø 2 – 3mm, 8 x Ø 5mm, 4 x Ø 2 – 2.7mm & 3 x Ø 5mm
4 Cable entry below	Ø 3 – 13mm, 12 x Ø 2 – 3mm, 8 x Ø 5mm, 4 x Ø 2 – 2.7mm & 3 x Ø 5mm
2 Cable entry side	2 x Collocation bridge (box connection solution)

Environmental characteristics

Criteria	Date / value
Operation temperature	- 25°C up to 85°C
Transport and store temperature	- 40° C up to 70°C
Burning rate	UL94-V0
Halogen free	Yes
PVC-free	Yes
Heavy metal free	Yes

Assembling variants

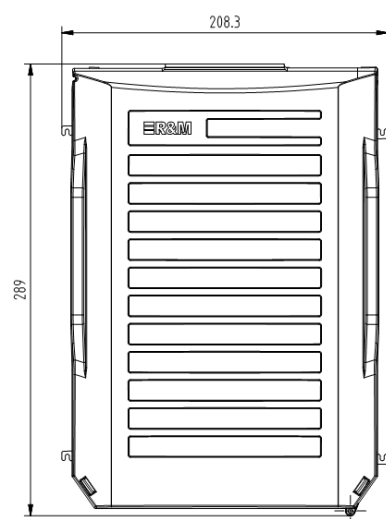| Polaris-box 6 |
|---|
| Max. 4 x FMTS 1TPU trays with up 4/12 fibers per tray |
| Max. 2 x FMTS 2TPU Splitter trays with up to 1 Splitter 2:32 split ratio per tray |
| Max. 6 x Adapters LC duplex (12 fibers), SC and E-2000 (6 fibers) |

Mounting

Housing Polaris-box 6
Wall mounting, Pole

Housing dimension

Housing Polaris-box 6

Box closed

Box with open cover

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