# FIBRAIN ®

| Type: | Fiber optic closure, thermo-mechanical type | |
|---|---|---|
| PN: | FOBP-M-xx, see ordering informations | REV: 2.0 |
| Date: | 20.06.2018 | AŁ |
| Modification: | 15.09.2021 | DP |

## Distribution fiber

## FIBRAIN FOBP fiber optic closure, thermo-mechanical type of ports seals

✔ **PATENT PENDING**



### DESCRIPTION:

- Maximum capacity 288 splices
- Thermic and mechanical type of port seals
- 2 cable glands with multiplication inserts, 4 round cable entry and 1 oval port for uncut cables
- Pole and wall mounting
- Optional adapter panel
- Built-in organizer for fiber optic tubes
- Possibility of mounting Alubox splitters
  - 1:4, 1:8  mounted in splice tray
  - 1:16  mounted in dedicated handle

### TECHNICAL SPECIFICATION:

| Technical data: | FOBP-144 | FOBP-288 |
|---|---|---|
| Max. number of splices | 144 | 288 |
| Max. number of splice trays | 12 | 24 |
| Max. capacity of splice tray | 12 | |
| Range of cable diameter for 2 mechanical ports | 3-6mm, 4,5-6,5mm, 6-8mm, 8-10mm, flat 8.3x4.6mm, 2-20mm | |
| Max. quantity of cable per one mechanic port | 4 (insert: 3-6mm, 6-8mm, 8-10mm, flat 8.3x4.6mm), 6 (insert 4,5-6,5mm), X* (membrane type insert 2-20mm) | |
| Range of cable diameter for 4 round thermic ports [mm] | 6 - 20 | |
| Range of cable diameter for a thermic oval port [mm] | 8 - 25 | |
| Max. quantity of cable installed | 17* | |
| Dimensions [mm] | 293x438x162 | 293x568x162 |
| Leakproofness of ports | Mechanic and thermic | |
| Type of entrance cables | Duct cable, aerial cable | |
| Operation temperature | -40°C - +70°C | |
| IP protection | IP68 | |
| Pull box compatibility: -minimum chamber diameter [mm] -minimum chamber depth [mm] | 240 350 | |

*while membrane type insert is used maximum number of cables depends on the diameter of the cable inserted

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**EQUIPMENT:**

| Elements | Qty |
|---|---|
| Dome of the fiber optic closure | 1 pcs |
| Base of the fiber optic closure | 1 pcs |
| Internal cable organiser | 1 pcs |
| Clamp | 1 pcs |
| Installation clamps | 2 pcs |
| Seal | 1 pcs |
| Splice trays holder | 1 pcs |
| Splice tray SCM-C-12H-GY | 1 pcs |
| Seal kit for thermic ports  FOBP.U1 | 1 pcs |
| Wall-mounting adapter | 1 pcs |
| Accessories set  (clip with glue, sand paper, aluminium tape, insulating tape, cable ties) | 1 pcs |
| Velcro tapes for cable tubes arrangement, width 16 mm | 20 cm |
| Membrane type inserts for mechanical ports | 2 pcs |

**ADDITIONAL EQUIPMENT:**

| | | |
|---|---|---|
|  | Splice tray | SCM-C-12H-GY |
|  | Splice trays holder (capacity up to 4x SCM-C-12H-GY) | SCM-C-H-GY |
|  | Adapters – SC SX/E2000 SX | A101-xx, ADR-xx |
|  | Splitters | FPLC-xx in AluBox housing |
|  | Pigtails | G-xx |
|  | Cable reserve frame | SZ-D-FOBP-ZN-P |
|  | Bottom mounting holder for cable reserve frame | UMD-SZ-D-FOBP-ZN-P |

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| | Description | PN |
|---|---|---|
| | Fibrain quick mounting holder for FOBP closure | FOBP.USM |
| | Multiplication insert for mechanical port 4x 3-6mm | FOBP.MPI.3-6.BL |
| | Multiplication insert for mechanical port 4x 6-8mm | FOBP.MPI.6-8.BL |
| | Multiplication insert for mechanical port 4x 8-10mm | FOBP.MPI.8-10.BL |
| | Multiplication insert for mechanical port 4x 8,3-4,6mm | FOBP.MPI.8.3-4.6.BL |
| | Multiplication insert for mechanical port 6x 4,5-6,5mm | FOBP.MPI.4.5-6.5.BL |
| | Membrane type IP54 inserts for mechanical ports | FOBP.MPI.MT.BL |
| | Accessories set  (clip with glue, sand paper, aluminium tape, insulating tape, cable ties) | FOBP.AS |
| | Adapter panel 9x SC SX for 144F closure | FOBP.AP.09 |
| | Adapter panel 18x SC SX for 288F closure | FOBP.AP.18 |
| | Seal kit for thermic ports, heatshrinks for oval ports and 4 pcs for round ports for 20 mm cable diameter | FOBP.U1 |

## ORDERING INFORMATION:

**FOBP-MA-XY-BBCDE-ZFFGHI-JJKLM-NOP-RST-U**          **Ordering syntax**

**A – Closure size**

1 – 144 splices
2 – 288 splices

**X – Insert type in 1st mechanical port**

1 – membrane insert for aerial application
2 – 3-6 mm
3 – 6-8 mm
4 – 8-10 mm
5 – 8.3x4.6 mm (flat cable Aero DF)
6 – 4,5-6,5mm

**Y – Insert type in 2nd  mechanical port**

1 – membrane insert for aerial application

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2 – 3-6 mm
3 – 6-8 mm
4 – 8-10 mm
5 – 8.3x4.6 mm (flat cable Aero DF)
6 – 4,5-6,5mm

**BB – Splice trays qty** 1 -12 (@144F closure), 1 - 24 (@288F closure)
**C – splice tray cover** 1 – cover on first (top) splice tray
2 – cover on all splice trays
**D – Splice trays holder qty** 1-3 (@144F closure), 1-6 (@288F closure)
**E – Splice protectors** 0 – without
1 – in equipment  (quantity consistent with the splice trays and their capacity)

**Z – Adapter panel** 0 – without
1 – 9 x SC SX (for 144F closure)
2 – 18 x SC SX (for 288F closure)
**FF – Adapters qty** 1-9 (@144F closure), 1-18 (@288F closure)
**G – Adapters grade** 1 – Standard One-Piece
2 – Premium One-Piece with internal shutter
**H – Adapters type** 1 – SC/PC
2 – SC/APC
3 – E2000/PC
4 – E2000/APC
**I – Transmission** 1 – SM
2 – MM

**JJ – Pigtail qty** 1-18
**K – Connector type** 1 – SC/PC
2 – SC/APC
3 – E2000/PC
4 – E2000/APC
**L – Pigtail grade** G – Gold
**M – Fiber type** A – G.652D
B – G.655
C – G.656
D – G.657A1
E – G.657A2
F – G.657B2
G – G.657B3
H – MM OM1
I – MM OM2
K – MM OM3
L – MM OM4

**N- Pneumatic volve** 0 – without
1 – in equipment, non-mounted
2 – in equipment
**O - Grounding line** 0 – without
1 – in equipment
**P – cable reserve frame** 0 - without
1 – in equipment, non-mounted

**R – Splitters qty  1:4** 0 - 24
**S – Splitters qty  1:8** 0 - 24
**T – Splitters qty 1:16** 0 -1

**U – Bottom mounting holder** 0 – without
1 – in equipment, non-mounted

✔ **PATENT PENDING**