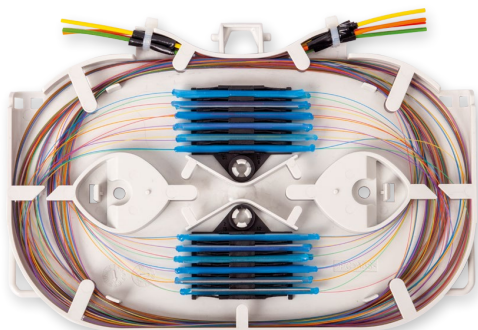


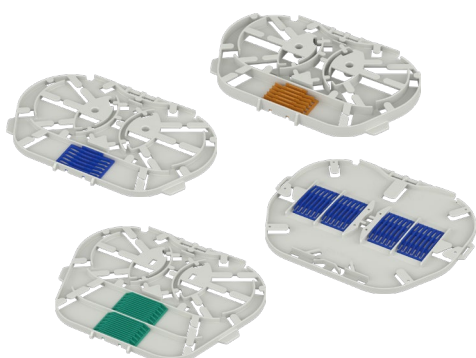
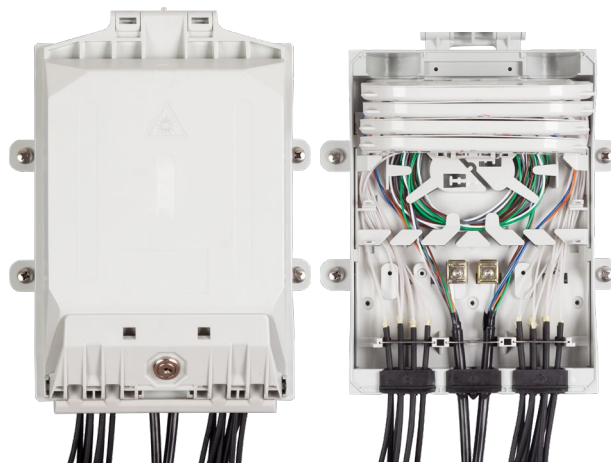
**MICOS****MDB S****FIBER OPTIC BOXES****NEW****GPON READY****5G READY****FiberRoad****SFMS**

The Fiber Optic Box MDB S is a durable fiber optic box, designed for various fiber organizers inside. The box can be configured to address a wide range of fiber optic splice and/or connectivity applications for PON, GPON and 5G networks. The engineered design provides IP65 protection from water / dust ingress and IK10 impact resistance to keep your critical network connections safe inside. The MDB S provides the ideal splicing solution for multi dwelling unit fiber distribution points or outdoor pole mounted splice applications.

- ▶ Capacity of up to 96 splices
- ▶ Capacity of up to 24× SC / 48× LC connector
- ▶ Multiple cable or tube entry ports on all sides of the box to increase installation flexibility
- ▶ Top outputs – PG grommets for using outdoors, Grommets System for using indoors
- ▶ Support for various fiber organizers
- ▶ Fiber Optic Tray KM 6 for up to 24 splices (4 pcs max.)
- ▶ Holder for 12 pcs of adapters (Simplex, Duplex or LC Quad)
- ▶ Optional placing of PLC Splitters in the management (outside a tray)
- ▶ Removable internal fiber management chassis to enable maximum access
- ▶ Support for ribbon fibers
- ▶ Support for midspan (loop-through) cable deployments (via an express port)
- ▶ Grommets system for cables with diameters 1.8–13 mm
- ▶ Increased durability, impact protection and water / dust ingress resistance (IP65, IK10)
- ▶ Integrated pole bracket
- ▶ Suitable for all types of networks

**MDB S****KM 6**

- For splicing
- Up to 24 splices
- More information on the [web](#)

**SFMS SYSTEM**

- For splicing
- Up to 12 splices
- Only for fibers $\varnothing$ 0,25 mm

**GROMMETS SYSTEM**

- For cables with diameters 1.8–13 mm
- 2× top position (only for using indoors)
- 3× bottom position

Section 0
Box

Section 1
Grommets Selection

Section 2
Organizer Selection

Section 3
Tray Type Selection

MDB S

XXX XX

X

XXXX

XX

XXXX XXXX

bottom

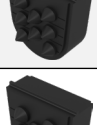
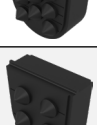
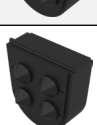
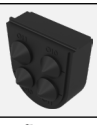
top

A-K – Only for using indoors

P – For using outdoors



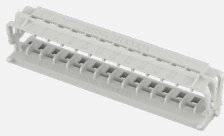
Select 5 options as below:

A		24× 1.8–2.2 mm (already cut) 85C3.60/000X
B		24× 2.2–3.0 mm (already cut) 85C3.61/000X
C		12× 3.6–4.6 mm (can be cut) 85C3.71/000X
D		12× 4.6–5.6 mm (can be cut) 85C3.62/000X
E		8× 5.6–6.6 mm (can be cut) 85C3.69/000X
F		8× 6.6–7.6 mm (can be cut) 85C3.63/000X
G		4× 7.6–8.6 mm (can be cut) 85C3.68/000X
H		4× 8.6–9.6 mm (can be cut) 85C3.64/000X
J		2× 9.6–10.6 mm 2× 11.6–13.0 mm (can be cut) 85C3.65/000X
K		2× 9.6–10.6 mm 2× 10.6–11.6 mm (can be cut) 85C3.66/000X
P		PG 16 Grommet – only top inputs for using outdoors On request
N	NONE	The position remains empty

Select 1 option as below:

A		Patching and splicing Use with adapters Ability to combine KM 6 with the adapter holder Capacity of up to 96 splices (without the adapter holder) Capacity of up to 24× SC / 48× LC connector 85TG.20/000X
B		Patching, covered splicing section Use with adapters Capacity of up to 48 splices (covered splicing section) Capacity of up to 24× SC / 48× LC connector Only SC duplex or LC quad 85TG.21/000X
C		Only splicing, SFMS Trays Only splicing SFMS Trays Capacity of up to 96 splices 85TG.22/000X

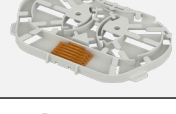
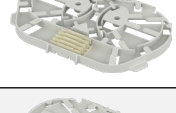
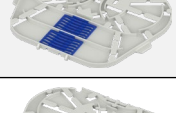
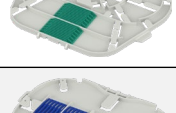
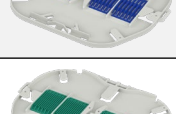
Select up to 4 options as below (only for management „A“):

D		KM 6 for heatshrink 85C3.83/000X
E		KM 6 for ribbon 85C3.84/000X
F		KM 6 for crimp 85C3.85/000X
P		Adapter Panel MDB S Capacity of up to 12× SC / 24× LC connector (SC simplex / LC duplex) 85TG.23/000X
P2		Adapter Panel MDB S Capacity of up to 24× SC / 48× LC connector (SC duplex / LC quad) 85TG.23/000X
N	NONE	The position remains empty

Select 2 options as below (only for management „B“):

D		KM 6 for heatshrink 85C3.83/000X
E		KM 6 for ribbon 85C3.84/000X
F		KM 6 for crimp 85C3.85/000X
N	NONE	The position remains empty

Select up to 8 options as below (only for management „C“):

A		SC Short, 6F, for heatshrink 80811933
B		SC Short, 12F, for crimp 50161402
C2		SE Short, 12F, for heatshrink 80811935
D2		SE Short, 4× ribbon or 4× splitter, for ribbon 80812916
E		SC Long, 12F, for heatshrink 80812456
F		SC Long, 24F, for crimp 85100030
G		SC Long, 24F + splitter, for heatshrink 50161971
H		SC Long, 24F + splitter, for crimp 85100031
N	NONE	The position remains empty

TRAYS COMPATIBLE WITH THE FIBEROAD™ SYSTEM

SFMS TRAYS

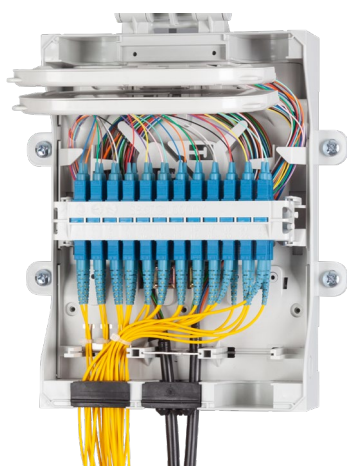
Examples of creating a name:

MDB S-AAG NN-A-DDP2

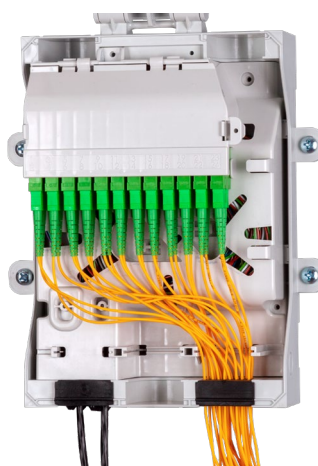
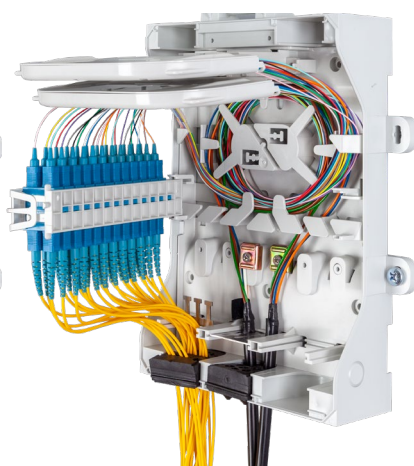
MDB S-ECC NN-B-DD

MDB S-JAA NN-C-C2C2 C2C2

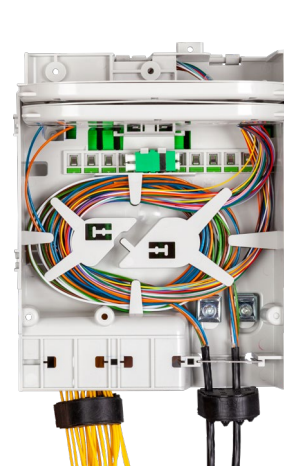
Section 0 Section 1 Section 2 Section 3



MDB S-AFN NN-A-DDP2
PATCHING: 24x SC CONNECTOR



MDB S-AEN NN-B-DD
PATCHING: 48x LC CONNECTOR



MDB S-CEN NN-C-EEEAC2C2
SPLICING: 96 SPLICES



Microduct
Termination
in the Box



Slack Cable
Storage
for MDB S



Integrated
pole bracket

TECHNICAL SPECIFICATIONS

Inputs / Outputs (quantity x range)	For using outdoors: 3x 1.8–13 mm 2x 10–14 mm or optional insert
	For using indoors: 5x 1.8–13 mm (follow the Configurator – Section 1 – Grommets Selection)
Grommets (type and number of used grommets)	For using outdoors: Grommets System – 3 pcs PG 16 – 2 pcs
	For using indoors: Grommets System – 5 pcs
Ingress Protection	IP65
Impact Protection	IK10
Flammability Degree	V0
Material	PC / ASA
Color	Light gray RAL 7035
Dimensions (H x W x D)	295 x 187 x 106 mm
Weight	2 kg

ORDERING CODES

On request	Custom Configuration
Follow the Configurator (Section 1)	Grommets Kit Separately
Follow the Configurator (Section 2)	Box with Organizer Separately
Follow the Configurator (Section 3)	Tray Kit Separately
85TG.24/000XF	Slack Cable Storage for MDB S

More information:

<https://www.micostelcom.com/en/fiber-optic-boxes/fiber-optic-box-mdb-s>

MICOS
TELCOM s.r.o.

+420 582 307 511
+420 582 307 688

telcom@micostelcom.cz
www.micostelcom.com