

The Fiber Optic Box MDB M provides speedy and efficient customers connection and convenience with built-to-last features. The box is easy to open and close with minimum operation keeping increased water / dust ingress resistance and can be used outdoors (at distribution points on poles or walls) or indoors (as a multi-dwelling-unit or a property basement optical distribution box). It's adaptable to all PON topologies and can accommodate any cable application with modular grommets for all cable diameters. The [FibeRoad™ System](#) provides a highly flexible series of configurations.

- ▶ Capacity of up to 144 splices
- ▶ Capacity of up to 48x SC / 96x LC connector
- ▶ Multiple cable or tube entry ports on all sides of the box to increase installation flexibility
- ▶ Ability to mix & match the Fiber Optic Trays [KM 4](#), [KM 5](#), [KM 6](#), [KM 7](#), [KM 9](#)
- ▶ KM 4 and KM 6 for up to 24 splices (6 pcs max.)
- ▶ KM 5 for up to 12x SC / 24x LC connector (4 pcs max.)
- ▶ KM 7 for up to 8x SC / 16x LC connector (for GPON, 4 pcs max.)
- ▶ KM 9 for up to 12 splices (12 pcs max.)
- ▶ Scalable through gradual adding of trays
- ▶ Optional placing of PLC Splitters in the management (outside a tray)
- ▶ Up to 2 PLC Splitters ABS together with 4x KM 7
- ▶ Hingeable (or detachable) splicing (or patching) section
- ▶ [FibeRoad™ System](#) compatible
- ▶ 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
- ▶ Significant space for patch cords and cables reserves
- ▶ Optional pole bracket
- ▶ Suitable for all types of networks

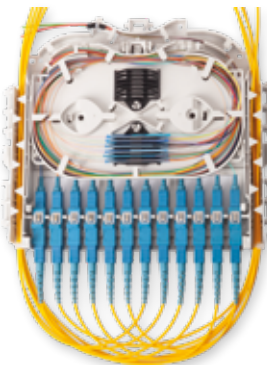


MDB M



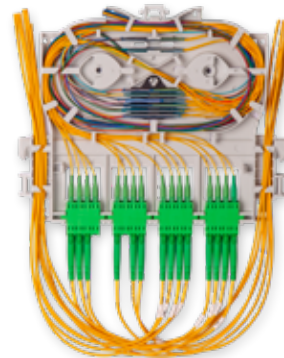
KM 4

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



KM 5

- For adapters
- Up to 12x SC / 24x LC connector
- Up to 24 splices
- More information on the [web](#)



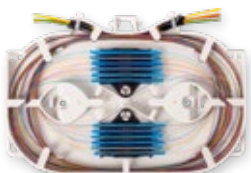
KM 7

- For adapters
- Up to 8x SC / 16x LC connector
- Up to 16 splices
- More information on the [web](#)



KM 9

- For splicing
- Up to 12 splices



KM 6

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



GROMMETS

- For cables with diameters 1.8–13 mm
- 2x top position
- 5x bottom position

Section 0 Box

Section 1 Grommets Selection

Section 2 Organizer Selection

Section 3 Tray Type Selection

MDB M

XXXXX XX

bottom top

X

XXXX XXXX

XXXXX

XXXX XX

XXXXXXXX XXXXXX



Select 7 options as below:

A		24x 1.8–2.2 mm (already cut) 85C3.60/000X
B		24x 2.2–3.0 mm (already cut) 85C3.61/000X
C		12x 3.6–4.6 mm (can be cut) 85C3.71/000X
D		12x 4.6–5.6 mm (can be cut) 85C3.62/000X
E		8x 5.6–6.6 mm (can be cut) 85C3.69/000X
F		8x 6.6–7.6 mm (can be cut) 85C3.63/000X
G		4x 7.6–8.6 mm (can be cut) 85C3.68/000X
H		4x 8.6–9.6 mm (can be cut) 85C3.64/000X
J		2x 9.6–10.6 mm (can be cut) 2x 11.6–12.6 mm (can be cut) 85C3.65/000X
K		2x 9.6–10.6 mm (can be cut) 2x 10.6–11.6 mm (can be cut) 85C3.66/000X
N	NONE	The position remains empty

Select 1 option as below:

A		Patching Use with adapters For KM 5 Capacity of up to 96 splices Capacity of up to 48x SC / 96x LC connector 85C3.91/000X
B		Patching and splicing Use with adapters Ability to mix & match KM 4, KM 5, KM 6, KM 7 Capacity of up to 96 splices Capacity of up to 32x SC / 64x LC connector Optional PLC Splitters ABS 85C3.92/000X
C		Only splicing Only splicing For KM 4 and KM 6 Capacity of up to 144 splices 85C3.93/000X
D		Only splicing Only splicing For KM 8 and KM 9 Capacity of up to 144 splices 85C3.94/000X

Select 8 options as below (only for management „A“):

KA		KM 5 for heatshrink SC / LC connectors 85C3.76/000X
KB		KM 5 for ribbon SC / LC connectors 85C3.77/000X
KC		KM 5 for crimp SC / LC connectors 85C3.78/000X
N	NONE	The position remains empty

Select 4 options as below (only for management „B“):

A		KM 4 for heatshrink 85C3.79/000X
B		KM 4 for ribbon 85C3.81/000X
C		KM 4 for crimp 85C3.82/000X
D		KM 6 for heatshrink 85C3.83/000X
E		KM 6 for ribbon 85C3.84/000X
F		KM 6 for crimp 85C3.85/000X
G		KM 7 for heatshrink SC / LC connectors 85C3.86/000X
H		KM 7 for ribbon SC / LC connectors 85C3.87/000X
J		KM 7 for crimp SC / LC connectors 85C3.88/000X
KA		KM 5 for heatshrink SC / LC connectors 85C3.76/000X
KB		KM 5 for ribbon SC / LC connectors 85C3.77/000X
KC		KM 5 for crimp SC / LC connectors 85C3.78/000X
N	NONE	The position remains empty

Select 6 options as below (only for management „C“):

A		KM 4 for heatshrink 85C3.79/000X
B		KM 4 for ribbon 85C3.81/000X
C		KM 4 for crimp 85C3.82/000X
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 12 options as below (only for management „D“):

L		coming soon KM 9 for heatshrink and crimp 85C3.90/000X
N	NONE	The position remains empty



Examples of creating a name:

MDB M-AJJNN NN-A-KAKA KAKA

MDB M-BBKkk NN-B-AAGG

MDB M-BGGG NN-C-AAAA AA

MDB M-BBKkk NN-D-LLLLLL LLNNNN

Section 0

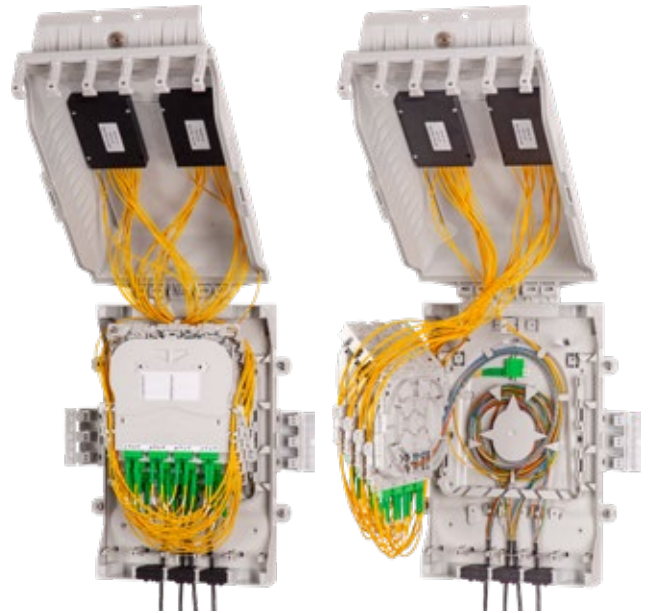
Section 1

Section 2

Section 3



MDB M-LLHNN NN-A-KAKAKAKA
PATCHING: 96× LC CONNECTOR



MDB M-HHHNN NN-B-GGGG
PATCHING: 64× LC CONNECTOR + PLC SPLITTERS ABS



MDB M-LLHNN NN-C-AAAAA
SPLICING: 144 SPLICES



Cable Reserve Holder for Pole (for MDB M)



Pole Bracket

TECHNICAL SPECIFICATIONS

Inputs / Outputs (quantity × range)	7 × 1.8–13 mm (follow the Configurator – Section 1 – Grommets Selection)
Grommets (type and number of used grommets)	Grommets System – 7 pcs
Ingress Protection	IP65
Impact Protection	IK10
Flammability Degree	V0
Material	PC / ASA
Color	Light gray RAL 7035
Dimensions (H × W × D)	427 × 290 × 132 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
85E0.97/0000F	Pole Bracket
85DZ.80/000XF	Cable Reserve Holder for Pole (for MDB M)

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