



Configuration example: two customer modules (up to 72 premises) and operator A module + operator B module

Configuration example: two customer modules (up to 72 premises) and one operator module



Description:

The Multi-Operator MDU Distribution Box (MMDB) allows the connection of several operators to a shared internal building network. This MMDB can be installed in the building basement. The internal cabling is connected to a customer module (more than one can be used for large buildings) ready for patching across to operator modules (more than one can be located beneath the customer modules). The operator modules allow external network cables to be terminated and then patched across the customer modules as and when required. Optical splitters can also be located in the operator modules on request.

The MMDB system thus enables internal cabling solutions to be access by multiple operators.

Features and Benefits:

- The customer module can be equipped with up to 36 fibres on a splice and patch basis for SC/PC or SC/APC type connectors.
- The operator module can be equipped with up to 36 ruggedised pigtails.
- The customer and operator modules are mechanically linked together creating a patching channel to route the fibres with ruggedised pigtails from one module to another.
- Depending on the building typology several customer modules can be added on top of each other.
- In the case of a shared vertical backbone building cabling, two or more operators can use separated operator modules to connect to the same customer module.
- The operator module accepts loop cables for a daisy chain installation.
- A dedicated storage area is available inside the operator module for non connected pigtails
- To limit the access to the modules, each module has two separate doors, one for the splicing area and one for the patching area, secured with an Allen key.
- Four Single element splicing trays also suitable for passive splitters are available per module. For information on the unit supplied with splitters please contact the Prysmian sales desk.
- All cables are safely secured inside each module.
- Within the modules, all fibres are positively managed to maintain a 30mm minimum bend radius.
- The customer module can accommodate a variety of different connector types.

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Kit Contents:

The Multi-Operator MDU Distribution Box is supplied with the customer or operator modules packed separately.
The customer module is supplied fully loaded with 24 or 36 pigtailed.

Part Numbers:

Technical Data:

- Number of cable entries: 2 (operator module), 4 (customer module)
- Maximum cable diameter (mm): 15
- Maximum Capacity: 36 fibres (For one module. Modules can be stacked)
- Maximum no. of customer feeds: 36 (For one module. Modules can be stacked)
- Required space envelope (mm): (w) 440 x (h) 175 x (d) 102. (For one module)
- Operating temperature: -20oC to + 50oC (5 to 95% RH)
- Material: -
 - Metalwork: Mild Steel
 - Plastic: FR polymer
- Finish:-
 - Metalwork: Painted light grey RAL 7035
 - Plastic: Grey/Black

Logistics:

- Packing Dimensions (mm): 540 (w) x 290 (h) x 186 (d) per module.
- Packed Weight (kg): 3.4 (customer module) 3.8 (operator module)
- Net weight (kg): 5.0 (customer module) 5.4 (operator module)
- Installation Instructions included

Testing:

- Optical: Tested 1310nm,1550nm and 1625nm
- Dry heat: BS EN 60068-2-2 Test Bb
- Damp heat: IEC 60068-2-3: 1969
- Change of temperature: IEC 60068-2-14: 1984
- Vibration: IEC 60068-2-6: 1995
- Shock: IEC 60068-2-27: 1987

Additional Items :



Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length.



2mm OD Ruggedised Pigtails

Ruggedised pigtails are installed into the Operator module to connect the operator cable fibres to the customer module. They are 3 metres in length and 2mm in diameter with an SC/APC connector on one end.

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