

# OCM6

## Modular wideband splitters/couplers for MDU applications

Single-mode wideband splitters/couplers are passive optical devices that split and combine light in fiber networks. The OCM modular packaging provides a robust and simple method for integrating these devices into MDU applications.

A wide selection of split ratios and connector types ensure long-lasting compatibility.

### Advantages

- Reliable performance
- Low insertion loss
- Low polarization sensitivity
- Excellent mechanical protection
- Fast and simple installation
- Input connector integrated in the housing (in-line version)

The splitter components are based on FBT (fused biconic tapered) technology for low split ratios. For higher split ratios, planar waveguide technology is used.



Butt



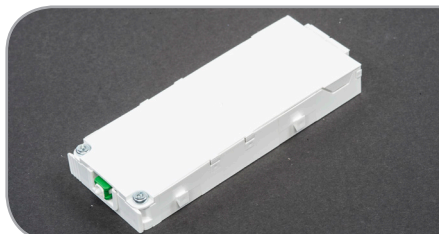
In-Line



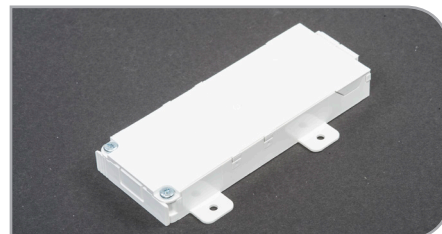
Cable Retention



Easy snap-on



Snap on sides



Fixation holes

## Ordering information

**OCM 6 - S** **X****X****X****X** **XX** - **XXX****X****X**

### Splitter grade

- A** Fused biconic tapered (for 1x2 and 2x2)
- P** Planar technology
- O** Low loss grade

### Number of integrated splitters

Grade	A	P/O
1x2	<b>10</b>	-
2x2	<b>8</b>	-
1x4	-	<b>5</b>
2x4	-	<b>5</b>
1x8	-	<b>3</b>
2x8	-	<b>3</b>
1x16	-	<b>2</b>
2x16	-	<b>2</b>
1x32	-	<b>1</b>
2x32	-	<b>1</b>

**Attention:** This table shows the maximum number of integrated splitters for each splitter technology type

### Number of inputs

- 1**
- 2**

2 inputs are only possible for the butt orientation of the module

### Number of outputs

- 2**
- 4**
- 8**

- G** 16
- W** 32

### Fixation

- 1** Snap on side
- 2** Fixation holes

### Orientation

- B** Butt
- I** In-line with connector

### Pigtail length

- 61C** 61 cm for BUDI-S
- 72C** 72 cm for BUDI-M

### Output connector type

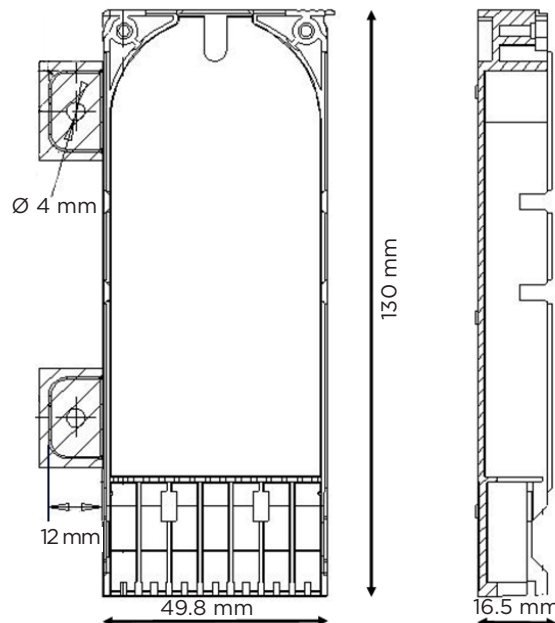
Grade C**	Connector type	
	SC	LC
UPC	<b>S1</b>	<b>L1</b>
APC 8°	<b>S2</b>	<b>L2</b>
APC 9°	<b>S3</b>	

\*\* according to IEC 61755-1

UPC = Ultra polished physical contact

APC = Angled polished physical contact

In the in-line version, the connector for the common port is always SC. While an LC connector can be specified on the output, the connector for the common port will be either **SL1** (for SC/UPC) or **SL2** (for SC/APC). When ordering the butt version, if no connector is required for the common port, include "N" in the connector type (**NS1, NS2, NS3, NL1, NL2**). If the input cable is not connectorized, the cable length will be 2 meters.



### Product can be installed in

MDU BUDI product range

- \* Split ratio is always symmetrical
- \* Cable is 1.8 mm LSZH with semi-tight buffering

### Performance specifications

Please refer to RUD 5257 (grade A) or RUD 5330 (grade P and O).

**For more technical options and order quantity information, please consult the product ordering guides or your local sales representative.**

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