



Description

- For Rosenberger OCTO trunks with MTP® connectors
- Height: 1U
- Width: ¼ of 19"
- Depth: 4.52in (115 mm)
- Polarity: Rx to Tx
- 3x MTP® unpinned port 4+4F OCTO at the rear side:
 - OM4: Elite ferrule, MTP® adapter type B „aligned key” grey
 - SM: Standard ferrul, MTP® adapter type A „opposed key” green
- 12 LC-Duplex ports at the front side
- Toolless placement of the module cassettes into the SMAP panel from the front side, fixing with quick fasteners
- Material and color:
 - Cassette body: black
 - Front: black

Optical Data

Fiber SM and OM4 Bend insensitive fiber Corning

LC Connector Insertion Loss per connection

- Singlemode standard SM, 9/125µm 0.30dB
- Multimode low loss IL OM4 50/125µm 0.15dB

Insertion Loss IL acc. to IEC61300-3-4, Method B, against reference, maximum [dB]:

- Singlemode SM, 9/125µm, Standard ferrule 0,40dB
- Singlemode SM, 9/125µm, Elite ferrule 0.35dB
- Multimode OM2, OM3, OM4, OM5, 50/125µm, Elite ferrule 0.35dB

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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Environmental data

| | |
|-----------------------|------------------|
| Transport and storage | - 25°C to + 70°C |
| Installation | 0°C to + 50°C |
| In use | 0°C to + 70°C |

Delivery form

Rosenberger Standard
In cardboard box

Properties

Connector types:

- OCTO trunks: MTP® male 4+4 fiber OCTO
- OCTO patchcords, multijumpers, harnesses and module cassettes: MTP® non-pinned 4+4 fiber OCTO

Adapter types:

- MTP® multimode: TIA type B “aligned key” „1 to 12“ grey
- MTP® singlemode TIA type A “opposed key” „1 to 1“ green
- Description of the adapter types A and B see last pages of in this document

Polarity:

- OCTO trunks: TIA Method B „1 to 12“
- OCTO patchcords, harnesses and module cassettes: see pages of the products

Cable types:

- PreCONNECT® OCTO trunks: OFNP Plenum rated n x 8 fiber distribution cables
- PreCONNECT® OCTO patchcords and harnesses: OFNP Plenum rated 8 fiber Microunit Interconnect Cables
- Cable data, see separate cable data sheets

Fiber types:

- Multimode OM4 an dOM5 bend-insensitive
- Singlemode G.657.A1 bend-insensitive and backwards compatible to G.652.D

MTP®/MPO adapters

Are only mechanical fixture, fiber positioning through pins in no-pins (holes) of the ferrules according to ANSI/TIA-568-B.1-7, two designs of MTP® adapters are existing

Type A „key-up to key-down“/“opposed key”

- results in polarity „1 to 1“

Type B „key-up to key-up“/“aligned key”

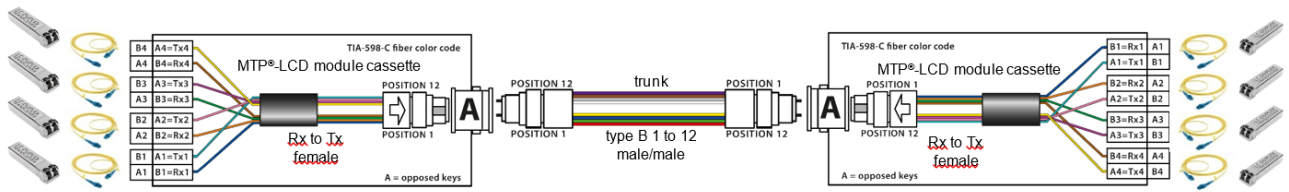
- results in polarity „1 to 12“

Singlemode MTP® connectors are APC 8°, singlemode MTP® adapters must be Type A „key-up to key-down“/“opposed key”.

MTP® adapter colors:
 Type A „key-up to key-down“/”opposed key“:
 OM2 = black, OM4 = aqua, SM = green since APC 8°

Type B „key-up to key-up“/”aligned key“:
 grey for all fiber types

Fiber Orientierung: Modul-Trunk-Module



Product code

| Product | Code |
|--|------|
| Module | M |
| Product Name | |
| SMAP Standard Density (SD) | SD |
| SMAP High Density (HD) | SH |
| SMAP Ultra High Density (UHD) | SU |
| Size - High | |
| 1/3 High - 1/6 Wide | 36 |
| 1U High - 1/4 Wide | 14 |
| 1/3 High - 1/3 Wide | 33 |
| Color | |
| Black | B |
| Connectivity | |
| OCTO - 8F System | O |
| DUODECIM - 12F System | D |
| Polarity | |
| Cross/Flipped A/B (Standard for Modules) | C |
| Straight A/A (Also for Pigtails) | S |
| TIA Method B, 1 to 12 | B |
| Fiber count (in fibers) | |
| XX: 08, 12, 24 | XX |
| Fiber Type | |
| SM Bend Insensitive, G.657.A1 | S |
| OM4 Bend Insensitive | C |
| Adapter A | |
| MTP opposed key grey | MOG |
| MTP opposed key white | MOW |
| MTP opposed key green | MOR |
| Adapter B | |
| LC Eight Blue | LEB |
| LC Eight Green | LEG |
| LC Eight Aqua | LEA |
| LC Quad Blue | LQB |
| LC Quad Green | LQG |
| LC Quad Aqua | LQA |

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| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|------------|------------|------------|-----------|------|---------------------------|------|------|
| L. Brücher | 13.07.2023 | L. Brücher | 1.07.2023 | 001 | --- | | |

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