

# Data sheet

## OpDAT CM 12xSC-S APC OS2

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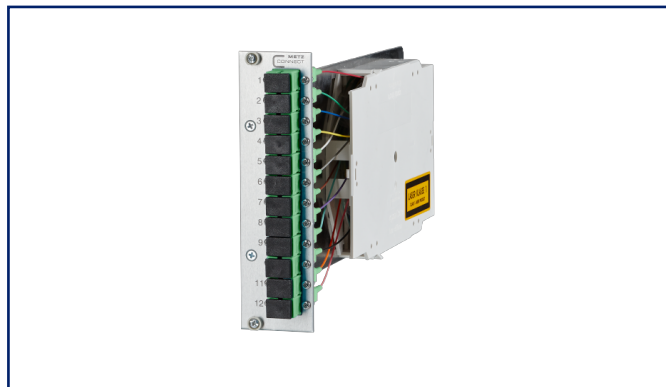
1528S91A121E

EAN 4250184181439

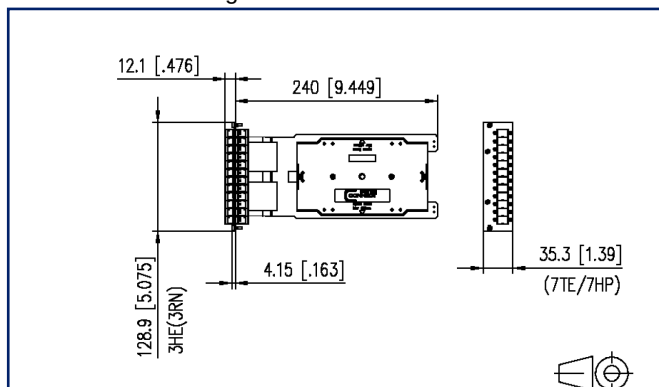
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## Illustrations



Dimensional drawing



See enlarged drawings at the end of document

## Product specification

- Compact module OpDAT CM 12xSC 3RU/HP
- Fully equipped with 12 SC simplex adapters and 12 SC pigtails
- Pigtails with Semi-tight buffered fiber dia. 0.9 mm, length 2.0 m, 12 colors
- Pigtails inserted and stripped in standard splice tray with crimp splice holder
- Pigtails are cleaned and inserted into the adapters
- Front panel made of silver anodized aluminum, with numbered adapter positions
- Mounting plate made of steel, equipped with splice tray and overlength tray, each with a cover
- Fixing in the subassembly frame by captive screws
- Variants: equipped with SC adapters in blue (OS2), green (OS2 APC), violet (OM4), aqua (OM3) or beige (OM2)



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## Technical Data

## General Data

|                                               |                                                            |
|-----------------------------------------------|------------------------------------------------------------|
| Fields of application                         | structured building cabling<br>office areas<br>data center |
| Mechanical measurement according to MICE      | M1                                                         |
| Ingress measurement according to MICE         | I1                                                         |
| Climatic measurement according to MICE        | C1                                                         |
| Electromagnetic measurement according to MICE | E3                                                         |
| Design                                        | Compact module                                             |
| Mounting style                                | 3RU/7HP                                                    |
| Transmission technology                       | Fiber optic                                                |
| Port numbering                                | yes                                                        |
| Color                                         | green                                                      |
| Dimensions                                    |                                                            |
| Dimension (L x W x H)                         | 252.1 mm x 128.9 mm x 35.3 mm                              |
| Dimension (L x W x H)                         | 9.925 in. x 5.075 in. x 1.39 in.                           |
| Inches                                        | 19 inches                                                  |
| Height unit                                   | 3RU                                                        |
| Horizontal pitch                              | 7HP                                                        |
| Installation depth                            | 242 mm                                                     |
| Installation depth                            | 9.528 in.                                                  |
| Number of cables/ buffered fibers             | 12                                                         |
| Cable Type                                    | pigtail(s)                                                 |
| Mode type of the fiber                        | Singlemode                                                 |
| Shape                                         | APC (Angled Physical Contact)                              |
| Fiber construction                            | 9/125 µm                                                   |
| Labeling option                               | printed numbers                                            |

## Connections/interfaces

|                                                  |     |
|--------------------------------------------------|-----|
| Number of ports interface 1                      | 12  |
| Number of ports interface 2                      | 12  |
| Number of equipped ports interface 1             | 12  |
| Number of ports interface 2 equipped             | 12  |
| Number of ports with dust protection interface 2 | 12  |
| Semi-tight buffered fiber pigtail length         | 2 m |



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### Connections/interfaces

|                                            |           |
|--------------------------------------------|-----------|
| Semi-tight buffered fiber pigtail length   | 6.56 ft   |
| Semi-tight buffered fiber pigtail diameter | 0.9 mm    |
| Semi-tight buffered fiber pigtail diameter | 0.035 in. |

### Optical characteristics

|                |             |
|----------------|-------------|
| Insertion loss | max. 0,3 dB |
| Return loss    | min. 65 dB  |

### Mechanical data

|                                |                 |
|--------------------------------|-----------------|
| Cut-out                        | SC, LC-D, E2000 |
| Connector type                 | simplex         |
| Life - Number of mating cycles | min. 1000       |

### Materials and material properties

|                               |                  |
|-------------------------------|------------------|
| Material - Front cover        | Al (Aluminium)   |
| Material - Front cover finish | silver anodized  |
| Material - Mounting plate     | steel            |
| Material - Sleeve             | ceramic, slotted |
| Material - Coupler housing    | Plastics         |
| Halogen free                  | yes              |
| RoHS                          | compliant        |

### Environmental conditions

|                            |                |
|----------------------------|----------------|
| Temperature (min. - max.)  |                |
| Temperature - Storage °C   | -10 °C - 60 °C |
| Temperature - Storage °F   | 14 °F - 140 °F |
| Temperature - Operating °C | -10 °C - 60 °C |
| Temperature - Operating °F | 14 °F - 140 °F |



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### Technical Data

#### Standards/Regulations

Optical fibers - Interconnecting devices and passive components - basic test and measuring methods

|                                                                             |               |
|-----------------------------------------------------------------------------|---------------|
| Fibre optic interconnecting devices and passive components - Insertion loss | IEC 61300-3-4 |
|-----------------------------------------------------------------------------|---------------|

|                                                                          |               |
|--------------------------------------------------------------------------|---------------|
| Fibre optic interconnecting devices and passive components - Return loss | IEC 61300-3-6 |
|--------------------------------------------------------------------------|---------------|

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| Standard colours for insulation for low-frequency cables & wires | IEC 60304 |
|------------------------------------------------------------------|-----------|

#### Classifications

|          |          |
|----------|----------|
| ETIM 7.0 | EC001130 |
|----------|----------|

|          |          |
|----------|----------|
| ETIM 8.0 | EC001130 |
|----------|----------|

|          |          |
|----------|----------|
| ETIM 9.0 | EC001130 |
|----------|----------|

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001130 |
|-----------|----------|

#### Packing details

|                   |               |
|-------------------|---------------|
| Type of packaging | 1 pc(s) / box |
|-------------------|---------------|

#### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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**Accessories**

| P/N         | Designation                |
|-------------|----------------------------|
| 1528SZ001-E | OpDAT CM Accessories kit 1 |
| 1528SZ002-E | OpDAT CM Accessories kit 2 |



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