

# Data sheet

## OpDAT ADT splice 2xLC-D APC OS2 Grade B

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P/N

1501197S02HC

EAN 4251394639017

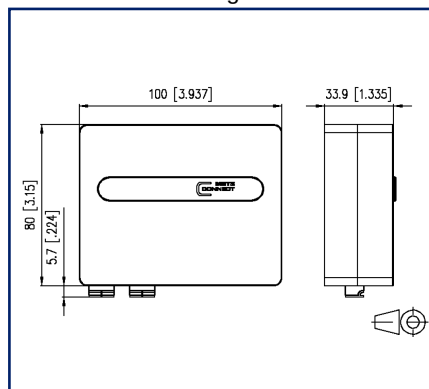
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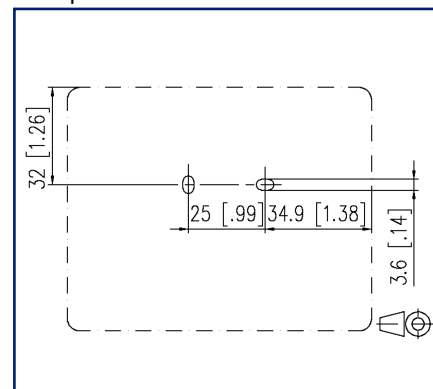
### Illustrations



Dimensional drawing



Drill pattern



See enlarged drawings at the end of document

### Product specification

- Compact, universal fiber optic termination unit for flush mounted outlets or cavity wall boxes, surface mounting or rail mounting
- Equipped with adapters with laser shutter and singlemode pigtails for splicing to FITH cables with singlemode fibers
- Pigtails with single mode fiber OS2, E9/125  $\mu\text{m}$ , IEC 60793-2-50 B.1.3 and B.6\_a, bend insensitive according to ITU-T G.657.A1, compatible to ITU-T G.652.D
- Unequipped ports are closed with blind plugs
- Possible cable entries: on the back, from above, from below, from the left or the right side
- With integrated clips for rail mounting in two directions
- Pivoting, removable splice tray for up to 8 shrink splice protections
- Cover removable without tool
- Plug direction 90°
- Color of the cover parts pure white RAL 9010
- Variants: equipped with SC APC, SC UPC, LC-D APC or LC-D UPC adapters and matching pigtails
- Variants also available in Grade B



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## Technical Data

| General Data                                  |                                   |
|-----------------------------------------------|-----------------------------------|
| 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                                        | wall outlet                       |
| Mounting style                                | surface mount, standard rail TH35 |
| Transmission technology                       | Fiber optic                       |
| Color                                         | pure white - RAL 9010             |
| Dimensions                                    |                                   |
| Dimension (L x W x H)                         | 85 mm x 100 mm x 35 mm            |
| Dimension (L x W x H)                         | 3.346 in. x 3.937 in. x 1.378 in. |
| Cable Type                                    | pigtail(s)                        |
| Mode type of the fiber                        | Singlemode                        |
| Fiber class                                   | OS2                               |
| Shape                                         | APC (Angled Physical Contact)     |
| Fiber construction                            | 9/125 µm                          |

| Connections/interfaces                           |                                  |
|--------------------------------------------------|----------------------------------|
| Connector technology interface 1                 | LC-D                             |
| Connector technology interface 2                 | LC-D                             |
| Number of ports interface 1                      | 4                                |
| Number of ports interface 2                      | 4                                |
| Number of equipped ports interface 1             | 2                                |
| Number of ports interface 2 equipped             | 2                                |
| Number of ports with dust protection interface 2 | 2                                |
| Number of blind                                  | 2                                |
| Module plug-in direction                         | straight                         |
| Cable access/outlet                              | rear, top, bottom, left or right |

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| Electrical/ optical properties                                                                     |                                      |
|----------------------------------------------------------------------------------------------------|--------------------------------------|
| Insertion loss                                                                                     | max. 0,25 dB                         |
| Return loss                                                                                        | min. 65 dB                           |
| Mechanical data                                                                                    |                                      |
| Cut-out                                                                                            | LC-D                                 |
| Connector type                                                                                     | duplex                               |
| Materials and material properties                                                                  |                                      |
| Material - Housing                                                                                 | ABS + PC                             |
| Material - Lower housing                                                                           | ABS                                  |
| Material - Coupler housing                                                                         | Plastics                             |
| Material - Sleeve                                                                                  | ceramic, slotted                     |
| Material - Ferrule                                                                                 | Ceramic                              |
| 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                       |
| Particulate ingress                                                                                | IP2X                                 |
| Liquid ingress/immersion                                                                           | IPX0                                 |
| Standards/Regulations                                                                              |                                      |
| Generic cabling systems                                                                            |                                      |
| General requirements                                                                               | ISO/IEC 11801-1                      |
| FO connector interfaces                                                                            | IEC 61754-20                         |
| Lichtwellenleiter: LWL-Innenkabel                                                                  |                                      |
| Sectional specification for class B single-mode fibres                                             | ISO/IEC 60793-2-50 type B.1.3 & B6_a |
| 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                        |

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#### Standards/Regulations

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

|                                                                                                 |                                              |
|-------------------------------------------------------------------------------------------------|----------------------------------------------|
| Fibre optic interconnecting devices and passive components - Visual inspection of plug end face | IEC 61300-3-35                               |
| ITU-T standard                                                                                  | ITU-T G.657.A1 compatible with ITU-T G.652.D |

#### Classifications

|           |          |
|-----------|----------|
| ETIM 7.0  | EC001409 |
| ETIM 8.0  | EC001409 |
| ETIM 9.0  | EC001409 |
| ETIM 10.0 | EC001409 |

#### 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.



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### Accessories

| P/N        | Designation                                       |
|------------|---------------------------------------------------|
| 15090304-I | OpDAT splice protection cover for 6 crimp splices |
| 15090401-E | OpDAT crimp splice protection (12 pieces)         |



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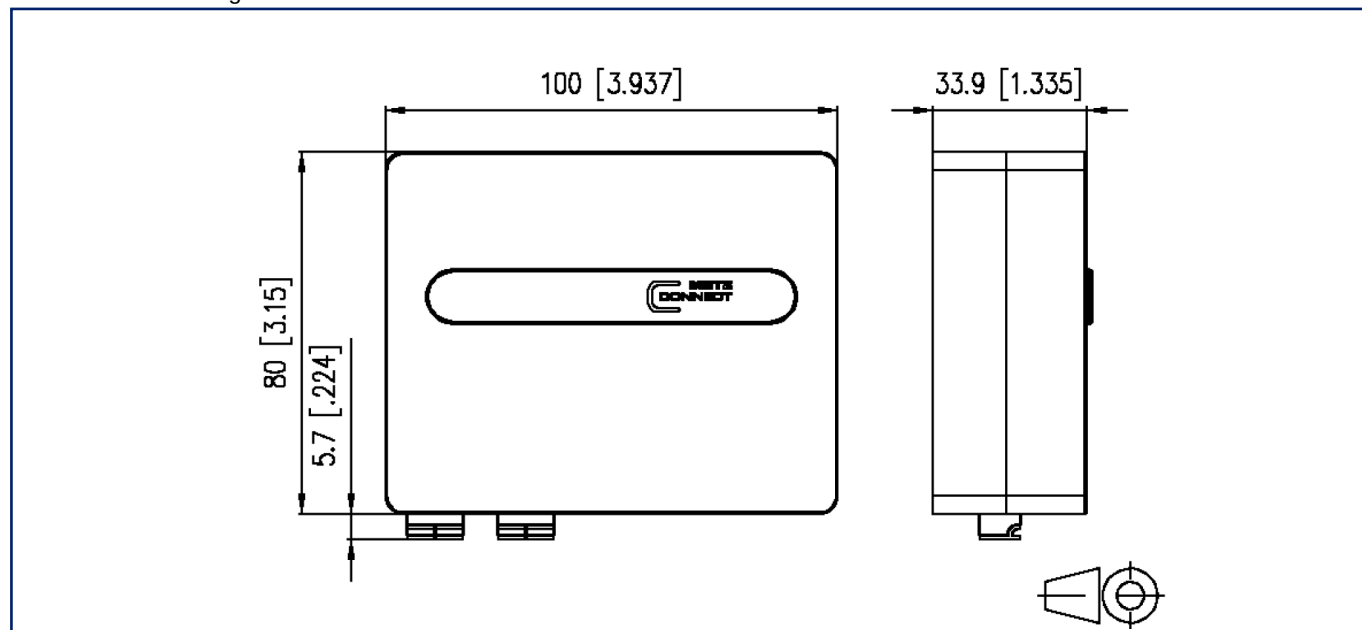
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