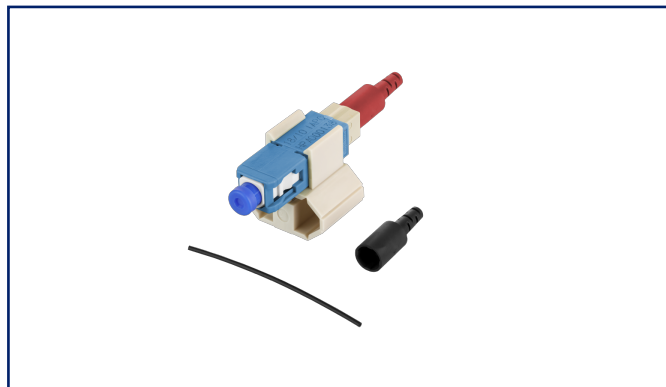


# Data sheet

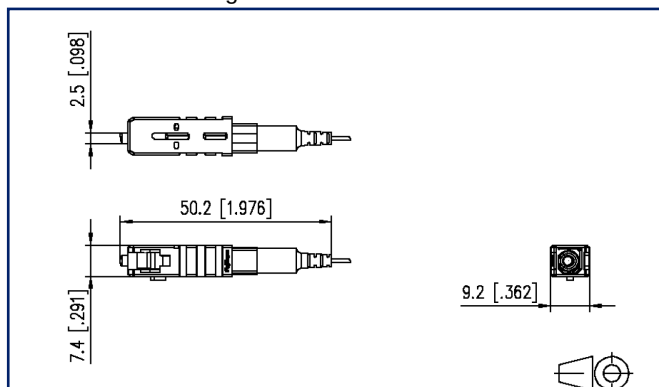
## OpDAT FAST™ Hybrid connector kit SC UPC OS2 10 pieces for buffered fibres

P/N  
1509QAE00010-E  
EAN 4251394625454  
2025/07/01  
Version: O

### Illustrations



Dimensional drawing



See enlarged drawings at the end of document

### Product specification

- Field-attachable fiber optic connector for single-mode technology
- with hybrid technology: refractive index gel plus opto-elastomer guarantee very good and constant optical values
- no polishing, no gluing during assembly on site
- simple, easy to learn, fast and cost-effective installation in less than two minutes
- Available with connector types LC and SC for singlemode (UPC and APC)
- plug kits for FO fibers with Ø 0.25 and Ø 0.9 mm
- plug kits for fibre optic cables with Ø 2.0 and Ø 3.0 mm
- the plug can be assembled up to three times
- every plug has a serial number, so that traceability is possible at any time
- Included in the scope of delivery depending on the variant:
  - a maintenance-free separator (Cleaver). It provides an oblique cut so that high return loss values are achieved. The Cleaver can be used up to 200 times.
  - a cable assembly kit for easy cable assembly
  - a fiber guide for easy insertion of the fiber into the connector
- fields of application:
  - for FTTH and FITH connections, repairs in the field, in areas which are difficult to access or limited in space and for direct mounting on components
- Versions for fibers: 10 pieces without tools / 20 or 100 pieces with Cleaver and fibre guide
- Variants for cables: 10 pieces without tools / 20 or 100 pieces with Cleaver, cable assembly set and fibre guide



## Data sheet

Page 2/5

# OpDAT FAST™ Hybrid connector kit SC UPC OS2

## 10 pieces for buffered fibres

P/N

1509QAE00010-E

EAN 4251394625454

2025/07/01

Version: O

### Technical Data

#### General Data

|                                               |                                                                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Fields of application                         | structured building cabling<br>Consolidation points<br>office areas<br>fiber to the desk<br>Distributed building services<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                                        | plug, field assembly                                                                                                                     |
| Transmission technology                       | Fiber optic                                                                                                                              |
| Color                                         | blue                                                                                                                                     |
| Dimensions                                    |                                                                                                                                          |
| Dimension (L x W x H)                         | 50 mm x 8.99 mm x 7.39 mm                                                                                                                |
| Dimension (L x W x H)                         | 1.969 in. x 0.354 in. x 0.291 in.                                                                                                        |
| Mode type of the fiber                        | Singlemode                                                                                                                               |
| Shape                                         | UPC (Ultra Physical Contact)                                                                                                             |

#### Connections/interfaces

|                                     |        |
|-------------------------------------|--------|
| Single fibre diameter (min. - max.) |        |
| Single fibre diameter               | 0.9 mm |
| Cable access/outlet                 | 180°   |
| Connector interfaces                | SC     |

#### Electrical characteristics

|                |                |
|----------------|----------------|
| Insertion loss | 0,2 bis 0,5 dB |
| Return loss    | min. 50 dB     |

#### Mechanical data

|                                |                  |
|--------------------------------|------------------|
| Connector type                 | simplex          |
| Mounting method                | snap-in function |
| Life - Number of mating cycles | min. 500         |



Data sheet

Page 3/5

# OpDAT FAST™ Hybrid connector kit SC UPC OS2

## 10 pieces for buffered fibres

P/N

1509QAE00010-E

EAN 4251394625454

2025/07/01

Version: O

### Technical Data

#### Materials and material properties

|                            |                                             |
|----------------------------|---------------------------------------------|
| Material - Housing         | Plastics                                    |
| Material - Cable boot      | elastomer, flame-retardant and halogen free |
| Material - Ferrule         | Ceramic                                     |
| Material - Dust protection | elastomer, flame-retardant and halogen free |
| Halogen free               | yes                                         |

#### Environmental conditions

|                            |                 |
|----------------------------|-----------------|
| Temperature (min. - max.)  |                 |
| Temperature - Storage °C   | -25 °C - 70 °C  |
| Temperature - Storage °F   | -13 °F - 158 °F |
| Temperature - Operating °C | -25 °C - 70 °C  |
| Temperature - Operating °F | -13 °F - 158 °F |

#### Standards/Regulations

|                                  |                              |
|----------------------------------|------------------------------|
| FO connector interfaces          | IEC 61754-4 / ANSI/TIA-604-3 |
| Fibre optic connector interfaces | SC - IEC 61754-4             |

#### Classifications

|           |          |
|-----------|----------|
| ETIM 7.0  | EC001122 |
| ETIM 8.0  | EC001122 |
| ETIM 9.0  | EC001122 |
| ETIM 10.0 | EC001122 |

#### Packing details

|                   |                |
|-------------------|----------------|
| Type of packaging | 10 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.).



Data sheet

Page 4/5

# OpDAT FAST™ Hybrid connector kit SC UPC OS2 10 pieces for buffered fibres

P/N

1509QAE00010-E

EAN 4251394625454

2025/07/01

Version: O

## Accessories

| P/N         | Designation          |
|-------------|----------------------|
| 150800200-E | Fibre optic tool Bag |



Data sheet

Page 5/5

# OpDAT FAST™ Hybrid connector kit SC UPC OS2 10 pieces for buffered fibres

P/N

1509QAE00010-E

EAN 4251394625454

2025/07/01

Version: O

## Illustrations

Dimensional drawing

