



# FO-DCS 3U/7HP splice plug-in modules, 6x LCQ, OM4

for FO-DCS modular subracks / panels

with 2x 12 pigtails OM3, OM4, OS2 and 6 LCQ adapters



High-performance FO-DCS splice plug-in modules, 24F, 3U/7HP

## Description

Polycarbonate (PC) housing with press-fit side panels and polycarbonate (black) or aluminium front panel (3U/7HP).

Equipped with 2 splice cassettes for 12 fibres per cassette.

Splice cassettes have splice reserve on both sides (cable / pigtail), splice comb and strain relief.

Black PC front panels provide labelling strips on both sides of the LCQ ports for customer-specific printing.

Fixed with two knurled screws (captive).

There is a separate distribution box available for the partition of multi-fibre loose tube cables or for storing the excess tube lengths.

## Application

FO-DCS splice plug-in modules are suitable for all high-performance applications with duplex signals, particularly in the data centre environment.

They find modular application in FO-DCS modular panels (19"/1U) or in FO-DCS subracks (19"/3U, 19"/4U).

They are used to accept fibre optic cables which are spliced in-situ.

Packing densities of up to 288 fibres on 3U are achieved with these plug-in modules.

They are assembled to a very high quality and guarantee optimum values for optical performance (IL/RL).

## General properties

|                          |                                |
|--------------------------|--------------------------------|
| Acceptance capacity      | 12 LC duplex ports (24 fibres) |
| Fully equipped           | yes                            |
| System                   | FO-DCS                         |
| Outer dimensions (HxWxD) | 3 U, 129 mm x 35 mm x 180 mm   |

## Optical Properties

|  |  |
|--|--|
| Adapter, front side                      | 6 x LCQ/PC, heather violet (Dust plug) |
| Adapter colour, front side               | heather violet                         |
| Adapter material, front side             | Polymeric                              |
| Adapter type, front side                 | LCQ/PC                                 |
| Connectors, front side                   | 12 x LC/PC 0°                          |
| Connector type, front side               | LC                                     |
| Ferrule material, front side             | Zirconia (ZrO <sub>2</sub> )           |
| Ferrule polishing, front side            | PC 0°                                  |
| Insertion loss (IL), maximal, front side | 0.25 dB                                |
| Insertion loss (IL), typical, front side | 0.1 dB                                 |
| Number of adapters, front side           | 6                                      |
| Number of connectors, front side         | 12                                     |
| Return loss (RL), minimal, front side    | 35 dB                                  |
| Return loss (RL), typical, front side    | 40 dB                                  |
| Sleeve material, front side              | Zirconia (ZrO <sub>2</sub> )           |
| Fibre type                               | G50/125 OM4                            |

## Mechanical properties

|                                  |           |
|----------------------------------|-----------|
| Dust protection, frontside       | yes       |
| Dust/Laser protection, frontside | Dust plug |
| Laser protection, frontside      | no        |

## Scope of delivery

Housing with front panel, equipped with 6 LC Quad adapters (ceramic sleeves).  
 Rear fitted with two M12 cable entries.  
 2 splice cassettes with cover and splice comb (each for 12 fibres).  
 2 pigtail sets (1.3 m), 12x LC per set (ceramic ferrules).

## Versions

| Material number | Product  | Colour | Material           | Weight [kg] | Packing unit | GTIN / EAN     |
|-----------------|--|--------|--------------------|-------------|--------------|----------------|
| 57153100ZY      | FO-DCS 3U/7HP splice plug-in module, 6x LCQ, OM4 | black  | Polycarbonate (PC) | 0.3 kg      | 1 pc.        | 40393910006339 |