

## FO-DCS 3U/7HP MTP plug-in modules, 2x MTP on 6x LCQ, OM4

for FO-DCS modular subracks / panels



High-performance FO-DCS MTP plug-in modules, 12F, 3U/7HP

### Description

Polycarbonate (PC) housing with press-fit side panels (sealed) and polycarbonate (black) or aluminium front panel (1U/7HP). At the rear these FO-DCS plug-in modules have two MTP couplers which are routed to the front couplers (6x LC Quad) by way of internal fanouts and integrated fibre management. The black PC front panels provide labelling strips on both sides of the LCD ports for customer-specific printing. Fixed with two knurled screws (captive).

### Application

FO-DCS MTP<sup>®</sup> 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 pre-assembled MTP trunk cables.

Packing densities of up to 144 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	6 quad ports (24 fibres)
Fully equipped	Yes

### Optical Properties

Adapter, front side	6 x LCQ, heather violet (Dust plug)
Adapter, rear side	MTP
Adapter, rear side	2 x MTP, black
Adapter colour, front side	heather violet
Adapter colour, rear side	black
Adapter material, front side	Polymeric
Adapter material, rear side	Polythermide
Adapter type, front side	LCQ
Adapter type, rear side	Type A (key up/key down)
Connector colour, front side	heather violet
Connector colour, rear side	heather violet
Connectors, front side	24 x LC/PC 0°
Connectors, rear side	2 x MTP <sub>12</sub> female Elite PC 0°
Connector type, front side	LC
Connector type, rear side	MTP <sub>12</sub> female
Ferrule material, front side	Zirconia (ZrO <sub>2</sub> )
Ferrule material, rear side	Polyphenylene sulfide resin
Ferrule polishing, front side	PC 0°

Ferrule polishing, rear side	Elite PC 0°
Fibre type	G50/125 OM3
Insertion loss (IL), maximal, front side	0.25 dB
Insertion loss (IL), maximal, rear side	0.3 dB
Insertion loss (IL), typical, front side	0.1 dB
Insertion loss (IL), typical, rear side	0.15 dB
Number of adapters, front side	6
Number of adapters, rear side	2
Number of connectors, front side	24
Number of connectors, rear side	2
Number of fanouts (12F)	2
Return loss (RL), minimal, back side	30 dB
Return loss (RL), minimal, front side	35 dB
Return loss (RL), typical, back side	35 dB
Return loss (RL), typical, front side	40 dB
Sleeve material, front side	Zirconia (ZrO <sub>2</sub> )

## Mechanical properties

Dust protection, backside	Yes
Dust protection, frontside	Yes
Dust/Laser protection, backside	Dust plug
Dust/Laser protection, frontside	Dust plug
Fibre colour code	IEC 60304
Laser protection, backside	No
Laser protection, frontside	No

## Scope of delivery

Housing with front panel, equipped with 6 LC Quad adapters (ceramic sleeves).  
Rear fitted with 2 MTP adapters (Type A).  
2 module fanouts (High P): per 12 fibres, 1x MTP Elite® (female) on 12x LC (ceramic ferrules).  
Delivery inclusive of test reports on fanout.

## Versions

<STEPTABLE O="STEP\_PRODUCT\_355960" OT="Product" TT="267772" VC="CTX\_english" VO="267203" W="Approved" />

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