

## HD-DCS MTP module, 1x MTP on 6x LCD/APC, OS2

for HD-DCS modular panels



### Description

Polycarbonate (PC) housing with press-fit cover (sealed).  
 At the rear these HD-DCS modules have one MTP coupler which is routed to the front couplers (6LCD) by way of an internal fanout.  
 Front couplers with integrated, automatic transparent dust shutters.

### Application

HD-DCS MTP® modules are suitable for all high-density and high-performance applications with duplex signals, particularly in the data centre environment.  
 They find modular application in the slots of the HD-DCS modular panels (19"/1U) in which they can be inserted from the front.  
 They are used to accept pre-assembled MTP trunk cables.  
 Packing densities of up to 144 fibres on 1U are achieved with these modules.  
 They are assembled to a very high quality and guarantee optimum values for optical performance (IL/RL).

### General Properties

Acceptance capacity	12 fibres
Fully equipped	Yes

### Optical Properties

Adapter, front side	1 x 6LCD, green (Inner shutter, translucent)
Adapter, rear side	MTP
Adapter, rear side	1 x MTP, green
Adapter colour, front side	green
Adapter colour, rear side	green
Adapter material, front side	Polymeric
Adapter material, rear side	Polythermide
Adapter type, front side	6LCD
Adapter type, rear side	Type A (key up/key down)
Connector colour, front side	green
Connector colour, rear side	yellow
Connectors, front side	12 x LC/APC 8°
Connectors, rear side	1 x MTP <sub>12</sub> female Elite APC 8°
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	APC 8°
Ferrule polishing, rear side	Elite APC 8°
Fibre type	E9/125 G.652.D BLO

Insertion loss (IL), maximal, front side	0.25 dB
Insertion loss (IL), maximal, rear side	0.30 dB
Insertion loss (IL), typical, front side	0.12 dB
Insertion loss (IL), typical, rear side	0.15 dB
Number of adapters, front side	1
Number of adapters, rear side	1
Number of connectors, front side	12
Number of connectors, rear side	1
Number of fanouts (12F)	1
Return loss (RL), minimal, back side	65 dB
Return loss (RL), minimal, front side	65 dB
Return loss (RL), typical, back side	70 dB
Return loss (RL), typical, front side	70 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	Inner shutter, translucent
Fibre colour code	IEC 60304
Laser protection, backside	Yes
Laser protection, frontside	No

## Scope of delivery

Housing, equipped with 1x 6LCD adapter with automatic transparent dust protection caps and ceramic sleeves on the front.  
Rear fitted with 1 MTP adapter (Type A).  
1 module fanout (HighP): with 12 fibres, 1x MTP Elite\* (female) on 12x LC (ceramic ferrules).

## Standards

LC standard (IEC)	IEC 61754-20
MTP standard (IEC)	IEC 61754-7, IEC 61755-3-31, IEC 61755-3-32

## Note

As high-performance patch cables for high-density solutions Datwyler recommends the HD-DCS LCD Uniboot patch cables with push-pull rods.

## Versions

Material number	Product	Outer dimensions	Colour	Material	Weight [kg]	Packing unit
473523	HD-DCS MTP module, 1x MTP on 6x LCD/APC, OS2	13 mm x 88 mm x 118 mm	black	Polycarbonate (PC)	0.08 kg	1 pc.

MTP\* and MTP Elite\* are registered brands of US Conec.