

## HD-DCS MTP module, 2x MTPD on 24x LCD/PC, OM3

for HD-DCS modular panels



### Description

Polycarbonate (PC) housing with press-fit cover (sealed).

At the rear these HD-DCS modules have two MTPD (duplex) couplers which are routed to the front couplers (4x 6LCD) by way of internal fanouts.

Front couplers with integrated, automatic transparent dust shutters.

### Application

HD-DCS MTP<sup>®</sup> 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 and the back.

They are used to accept pre-assembled MTP trunk cables.

Packing densities of up to 192 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	48 fibres
Fibre colour code	IEC 60304
Fully equipped	yes
System	HD-DCS

### Optical Properties

Insertion loss (IL), maximal, front side	0.25 dB
Insertion loss (IL), typical, front side	0.15 dB
Return loss (RL), minimal, front side	35 dB
Return loss (RL), typical, front side	40 dB
Insertion loss (IL), maximal, rear side	0.25 dB
Insertion loss (IL), typical, rear side	0.15 dB
Return loss (RL), minimal, back side	35 dB
Return loss (RL), typical, back side	45 dB
Fibre type	G50/125 OM3

## Mechanical properties

Adapter, front side	4 x 6LCD, turquoise
Adapter material, front side	Polymeric
Dust protection, front side	yes
Laser protection, front side	no
Dust/Laser protection, front side	Inner shutter, translucent
Sleeve material, front side	Zirconia (ZrO <sub>2</sub> )
Connectors, front side	48 x LC/PC 0°
Ferrule material, front side	Zirconia (ZrO <sub>2</sub> )
Adapter, rear side	2 x MTPD, turquoise, Type A (key up/key down)
Adapter material, rear side	Polythermide
Adapter type, rear side	Type A (key up/key down)
Dust protection, rear side	yes
Laser protection, rear side	yes
Dust/Laser protection, rear side	Dust plug
Connectors, rear side	4 x MTP <sub>12</sub> female Elite PC 0°
Ferrule material, rear side	Polyphenylene sulfide resin

## Scope of delivery

Housing, equipped with 4x 6LCD adapters with automatic transparent dust protection caps and ceramic sleeves on the front.

Rear fitted with 2 MTPD adapters (Type A).

4 module fanouts (HighP): each 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	Colour	Material	Weight [kg]	Packing unit	GTIN / EAN
473509	HD-DCS MTP module, 2x MTPD on 24x LCD/PC, OM3	black	Polycarbonate (PC)	0.18 kg	1 pc.	40393910225488

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Subject to technical modification

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