

HD-DCS MTP module, 2x MTPD on 24x 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 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[®] 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
Fully equipped	Yes

Optical Properties

Adapter, front side	4 x 6LCD, green (Inner shutter, translucent)
Adapter, rear side	MTPD
Adapter, rear side	2 x MTPD, 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	48 x LC/APC 8°
Connectors, rear side	4 x MTP ₁₂ female Elite APC 8°
Connector type, front side	LC
Connector type, rear side	MTP ₁₂ female
Ferrule material, front side	Zirconia (ZrO ₂)
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	4
Number of adapters, rear side	2
Number of connectors, front side	48
Number of connectors, rear side	4
Number of fanouts (12F)	4
Return loss (RL), minimal, back side	50 dB
Return loss (RL), minimal, front side	65 dB
Return loss (RL), typical, back side	55 dB
Return loss (RL), typical, front side	70 dB
Sleeve material, front side	Zirconia (ZrO ₂)

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 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	Outer dimensions	Colour	Material	Weight [kg]	Packing unit
473507	HD-DCS MTP module, 2x MTPD on 24x LCD/APC, OS2	39 mm x 100 mm x 120 mm	black	Polycarbonate (PC)	0.18 kg	1 pc.

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