

in duplex style for short range transmission with optical fibres
($\lambda = 660 \text{ nm}$)



Description

- Electro-optical converters integrated into D-Sub connector shell housings
- Cost-effective solution for fibre optic duplex links
- Transmission distance up to 60 m
- Standard accessories for D-Sub can be applied
- Suitable for 1 mm \varnothing polymer optical fibres ($\lambda = 660 \text{ nm}$)
- Special housing for heavy duty applications is available

Technical characteristics

General data at $T = 25^\circ \text{C}$

	LED	Receiver
Operating voltage		5 V DC $\pm 5\%$
Drive current (max.)	70 mA	
Optical power	300 μW (at 20 mA) 600 μW (at 50 mA)	
Dynamic range		4 μW ... 80 μW
Wave-length	660 nm	
Transmission rate		TTL, 5 MBit/s
Storage temp.	$-35 \dots +100^\circ \text{C}$	$-55 \dots +100^\circ \text{C}$
Operating temp.	$-30 \dots +85^\circ \text{C}$	$-40 \dots +85^\circ \text{C}$

Identification Part No. Drawing Dimensions in mm

F.O. D-Sub T/E female connector

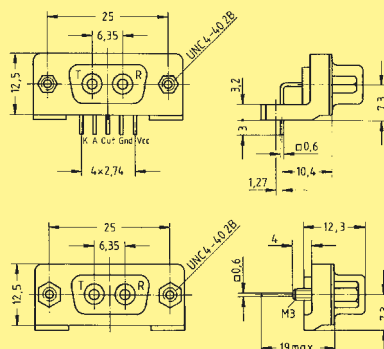
angled

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straight

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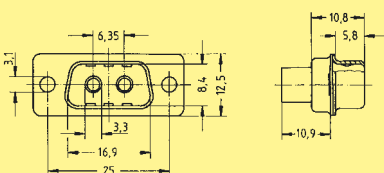
(Outer dimensions like 9-pin D-Sub female)



F.O. D-Sub male connector

(Outer dimensions like 9-pin D-Sub male)

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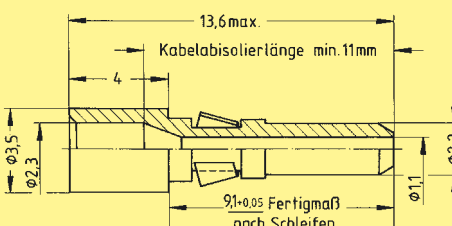


Cavities are designed for HARTING POF¹⁾ ferrules.

Ferrule

1 mm POF¹⁾ with cladding gauge 2.2 mm

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The mounting/enface-preparation of the ferrule can be achieved by crimping, hot-plate technique or by using adhesive.

The ferrules are snap-mounted into the male connector and can be released with aid of removal tool 09 99 000 0052 (see catalogue "Heavy Duty Connectors Han[®]").

¹⁾ POF = Polymer-Optical Fibre