Electro-Optic Converters

in duplex style for short range transmission with optical fibres (λ = 660 nm)

Description

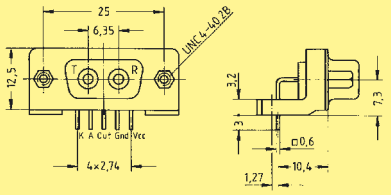
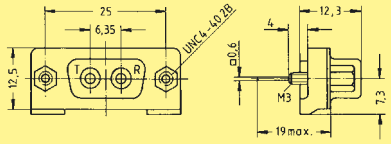
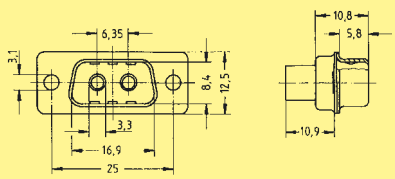
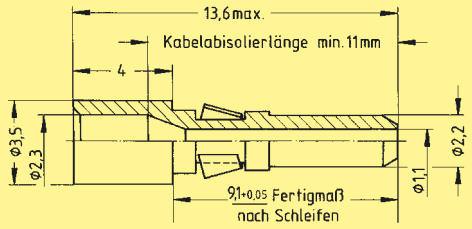
- Electro-optical converters integrated into D-Sub connector shell housings
- Cost-effective solution for fibre optic duplex links
- Transmission distance up to 60 m
- Standard accessories for D-Sub can be applied
- Suitable for 1 mm Ø polymer optical fibres (λ = 660 nm)
- Special housing for heavy duty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

Technical characteristics

General data at T = 25 °C

	LED	Receiver
Operating voltage		5 V DC ± 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 ... + 100 °C	– 55 ... + 100 °C
Operating temp.	– 30 ... + 85 °C	– 40 ... + 85 °C

Media Converter

Identification	Part No.	Drawing	Dimensions in mm
F.O. D-Sub T/E female connector angled	20 66 009 3811		
straight (Outer dimensions like 9-pin D-Sub female)	20 66 009 3812		
F.O. D-Sub male connector (Outer dimensions like 9-pin D-Sub male)	20 67 009 3811		Cavities are designed for HARTING POF[1] ferrules.
Ferrule 1 mm POF[1] with cladding gauge 2.2 mm	**20 10 001 3232**		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

Stock items in bold type

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

HARTING:

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