

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 straight (Outer dimensions like 9-pin D-Sub female)	20 66 009 3811 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	<p>The mounting/enface-preparation of the ferrule can be achieved by crimping, hot-plate technique or by using adhesive.</p>	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