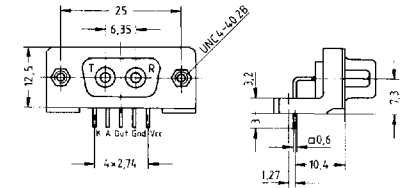
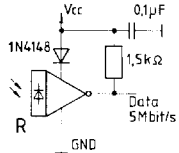
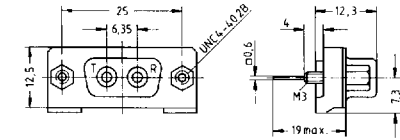
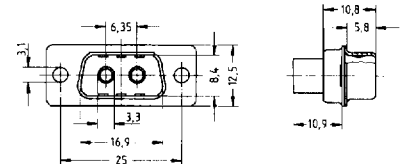
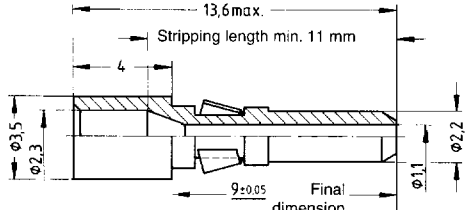


in duplex-style for short range transmission
with Polymer Optical Fibres ($\lambda = 660 \text{ nm}$)

Description

The electro-optical converters, when integrated into D-Sub connector shell housings, are an economic way of constructing F. O. data links. Utilizing the 1 mm Polymer Optical Fibre (POF) gives a max. transmission distance of 60 metres. The hybrid 15 way D-Sub shell size version shown below offers 6 electrical contacts in addition to the two optical channels. Standard accessories for D-Sub can be applied. For heavy duty applications a special housing is available (Protection level IP 65).

Identification	Part No.	Drawing	Dimensions in mm
F. O. D-Sub T/R (9 way female shell size)			
angled	20 66 009 3811		
straight	20 66 009 3812		Receiver: Circuit diagram recommended
F. O. D-Sub (9 way male shell size)	20 67 009 3811		Cavities are designed for HARTING POF ferrules.
Ferrule 1 mm POF	20 10 001 3232		The mounting/endface-preparation of the ferrule can be done by crimping, use of adhesive or by hot-plate technique.

Cavities are designed for HARTING POF ferrules.

The mounting/endface-preparation of the ferrule can be done by crimping, use of adhesive or by hot-plate technique.

The ferrules are snap-mounted into the male connector and can be released by removal tool 09 99 000 0052.



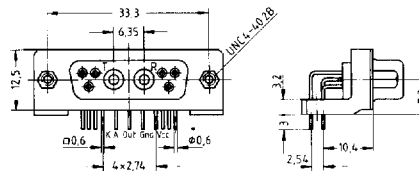
Identification Part No. Drawing Dimensions in mm

F. O. D-Sub T/R hybrid

(15 way female shell size)

angled

20 66 015 3811*

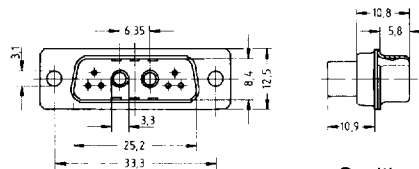


6 electrical contacts:
Pin No. 1, 2, 9, 7, 8, 15

F. O. D-Sub hybrid

(15 way male shell size)

20 67 015 3811*



Male contacts in crimp-version

Cavities are designed for HARTING POF ferrules.

Crimp-contacts for male connector, housings and accessories see page 23 and 28 to 35.

Special hood

D-Sub

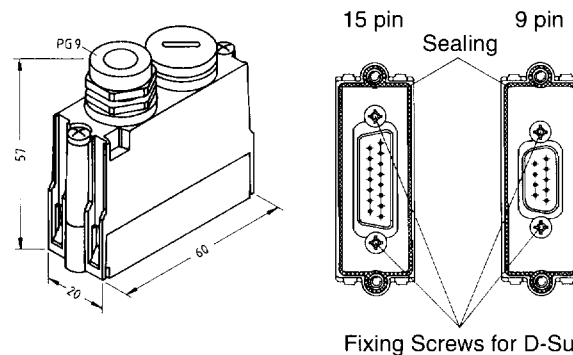
Protection level IP 65

9 pin

20 80 009 3811*

15 pin

20 80 015 3811*



Fixing Screws for D-Sub

Specifications

General data at 25 °C

Operating voltage

Drive current (max.)

Opt. power

Dynamic range

Wavelength

Transmission rate

Storage temperature

Operating temperature

LED

70 mA

300 μ W (from 20 mA)

600 μ W (from 50 mA)

660 nm

7 Mbit/s

- 35 °C ... + 100 °C

- 30 °C ... + 85 °C

Receiver

5 V DC \pm 5 %

4 μ W ... 80 μ W

660 nm

TTL, 5 Mbit/s

- 55 °C ... + 100 °C

- 40 °C ... + 85 °C

El. contacts

Operating voltage

Current rating

125 V max.

6.5 A max.

Mouser Electronics

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HARTING:

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