OZD PROFI 12M PRO

Product Data Sheet

OZD PROFI 12M G12-1300 PRO

PROFIBUS fibre optic repeater

PROFIBUS SERVICES	ELECTRICAL PORTS	ELECTRICAL CONNECTOR	OPTICAL PORTS
DP-V0, DP-V1, DP-V2, FMS	**1**	**Female 9-pin Sub-D**	**2**

Hirschmann's OZD PROFI 12M G12-1300 PRO repeats PROFIBUS signals between an electrical bus segment and long-distance glass-fibre links. It has one electrical port and two optical ports, and supports DP-V0, DP-V1, DP-V2 and FMS.

01 TECHNICAL DATA

PROFIBUS services	DP-V0, DP-V1, DP-V2, FMS
Electrical ports	1
Electrical connector	Female 9-pin Sub-D
Optical ports	2
Optical connector	BFOC 2.5
Optical wavelength	1310 nm
Single-mode reach	15 km on 9/125 um fibre
Multimode reach	10 km on 50/125 or 62.5/125 um fibre
Operating voltage	18–32 V DC
Maximum current consumption	200 mA

Hirschmann manual 039 690-001, release 06, and Belden technical data for 943906321

02 ADDITIONAL PRODUCT DATA

Power consumption	4.8 W
Operating temperature	0–60 °C
Storage temperature	-40 to +70 °C
Relative humidity	10–95%, non-condensing
Enclosure protection	IP20

03 PRODUCT FUNCTION

The optical ports use BFOC 2.5 connectors. At 1310 nm, the specified reach is up to 15 km on 9/125 um single-mode fibre or 10 km on 50/125 or 62.5/125 um multimode fibre, subject to the link budget. The DIN rail unit accepts 18–32 V DC and supports redundant 24 V feeds.

04 SYSTEM COMPATIBILITY

Use the link budget for the installed fibre. The manufacturer specifies 10 dB for the 15 km single mode link and 12 dB for the 10 km multimode link at 1310 nm.

05 REFERENCE

Hirschmann manual 039 690-001, release 06, and Belden technical data for 943906321

AMIKON PRODUCT SUPPORT

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