




## Product information OZD Profi G12DU ATEX 1

Fiber Interfaces:Fieldbus Repeater:Profibus LWL-Repeater:OZD Profi G12DU ATEX 1

<http://e-catalog.hirschmann.com/link/57078-57141-57128-57129-39991/en/conf/ustate>

Name	OZD Profi G12DU ATEX 1
	
	Interface converter electrical/optical for PROFIBUS networks; for assembly in cabinet; repeater function; approvals for protection zones 1,21, 2 and 22
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Interface converter electrical/optical for PROFIBUS networks; for assembly in cabinet; repeater function; approvals for protection zones 1,21, 2 and 22
Port type and quantity	2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Ex-e single clamp
Type	OZD Profi G12DU ATEX 1
Order No.	943 881-321
<b>Electrical interface</b>	
Signal type	PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)
Bit rate	9,6; 19,2; 45,45; 93,75; 187,5; 500 kbit/s; 1,5; 3; 6; 12 Mbit/s (automatic setting)
Signal delay time (optional input/output)	<= 6.5 bit times
Input/output signal	RS 485 level
Input voltage range	-7 V ... +12 V
Galvanic isolation	no
<b>Optical interface</b>	
Wavelength	860 nm
Cascadability	not limited
<b>More Interfaces</b>	
Power supply	Ex-e single clamp
Signaling contact	Ex-e single clamp
Measuring outputs "Optical input power"	Ex-e single clamp
<b>Network size - length of cable</b>	
Multimode fiber (MM) 50/125 µm	3000 m 13 dB link budget at 860 nm; A = 3 dB/km, 3 dB reserve
Multimode fiber (MM) 62.5/125 µm	3000 m 15 dB link budget at 860 nm; A = 3.5 dB/km, 3 dB reserve
<b>Power requirements</b>	
Operating voltage	18 ... 32 VDC, typ. 24 VDC
Galvanic isolation	yes
Current consumption	max. 200 mA
Power consumption	4.8 W
Output voltage/output current (pin6)	5 VDC +5%, -10%, short circuit-proof/90 mA
<b>Redundancy</b>	
Redundancy functions	HIPER-Ring (ring structure), redundant 24 V infeed
<b>Ambient conditions</b>	
Operating temperature	-20 °C to +60 °C
Storage/transport temperature	-40 °C to +80 °C
Relative humidity	10% to 100%
<b>Mechanical construction</b>	
Dimensions (W x H x D)	156 x 125 x 75
Mounting	Screw mountings in cabinet or DIN rail mounting
Weight	1.5kg

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<b>Housing material</b>	plastics
<b>Approvals</b>	
<b>Hazardous locations</b>	ATEX 100a, Zone 2
<b>Issued or requested approvals</b>	C-Tick, According to EN 60079-28: Inherently safe optical radiation
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	device, start-up instructions
<b>Accessories to order separately</b>	manual

For more information please contact:

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