



**Product:** [OZD Profi G12DK ATEX 1, Profibus LWL-Rep](#) 

Interface converter electrical/optical for PROFIBUS networks; in plastics cabinet; repeater function; approvals for protection zones 1,21, 2 and 22

**Product Description**

Interface converter electrical/optical for PROFIBUS networks; in plastics cabinet; repeater function; approvals for protection zones 1,21, 2 and 22

**Technical Specifications**

**Product description**

Type:	OZD Profi G12DK ATEX 1, Profibus LWL-Rep
Name:	OZD Profi G12DK ATEX 1, Profibus LWL-Rep
Description:	Interface converter electrical/optical for PROFIBUS networks; in plastics cabinet; repeater function; approvals for protection zones 1,21, 2 and 22
Part Number:	943882321
Port type and quantity:	2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Ex-e single clamp
Signal Type:	PROFIBUS (DP-V0, DP-V1, DP-V2 und FMS)

**More Interfaces**

Power Supply:	Ex-e single clamp
Signaling contact:	Ex-e single clamp

**Network size - length of cable**

Multimode fiber (MM) 50/125 µm:	3000 m, 13 dB link budget at 860 nm; A = 3 dB/km
Multimode fiber (MM) 62.5/125 µm:	3000 m, 15 dB link budget at 860 nm; A = 3.5 dB/km

**Power requirements**

Current consumption:	max. 200 mA
Input voltage range:	-7 V ... +12 V
Operating Voltage:	18 ... 32 VDC, typ. 24 VDC
Power consumption:	4.8 W
Redundancy functions:	HIPER-Ring (ring structure), redundand 24 V infeed

**Power Output**

Output voltage/output current (pin6):	5 VDC +5%, -10%, short circuit-proof/90 mA
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**Ambient conditions**

Operating temperature:	-20+55 °C
Storage/transport temperature:	-40+80 °C
Relative humidity (also condensing):	10-100 %

**Mechanical construction**

Dimensions (WxHxD):	165 x 194 x 138 mm
Weight:	2.4 kg
Housing Material:	plastics
Mounting:	screw mounting on the mounting plate
Protection class:	IP66

## Approvals

Hazardous locations:	ATEX Zone 1
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## Scope of delivery and accessories

Scope of delivery:	device, start-up instructions
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