



Product information

OZD Profi 12M G12

943 727-321

| OZD Profi 12M G12 | |
|--|---|
| | |
| interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; approval for Ex-zone 2 (Class 1, Div. 2) | |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | interface converter electrical/optical for PROFIBUS-field bus networks; repeater function; for quartz glass FO; approval for Ex-zone 2 (Class 1, Div. 2) |
| Port type and quantity | 2 x optical: 4 sockets BFOC 2.5 (STR); 1 x electrical: Sub-D 9-pin, female, pin assignment according to EN 50170 part 1 |
| Type | OZD Profi 12M G12 |
| Order No. | 943 727-321 |
| Electrical interface | |
| 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 |
| Optical interface | |
| Wavelength | 860 nm |
| Cascadability | not limited |
| More Interfaces | |
| Power supply | 5-pin terminal block, screw mounting |
| Signaling contact | 5-pin terminal block, screw mounting |
| Measuring outputs "Optical input power" | 2 mm sockets |
| Network size - length of cable | |
| Single mode fiber (SM) 9/125 µm | - |
| 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 |
| Multimode fiber HCS (MM) 200/230 µm | 1000 m 18 dB link budget at 860 nm; A = 8 dB/km, 3 dB reserve |
| Multimode fiber POF (MM) 980/1000 µm | - |
| Power requirements | |
| 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 |
| Redundancy | |
| Redundancy functions | HIPER-Ring (ring structure), redundant 24 V infeed |
| Ambient conditions | |
| Operating temperature | 0 °C to +60 °C |
| Storage/transport temperature | -40 °C to +70 °C |
| Relative humidity | <95% (non-condensing) |

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



| Mechanical construction | |
|--|-------------------------------|
| Dimensions (W x H x D) | 40 x 140 x 77.5 mm |
| Mounting | DIN rail or mounting plate |
| Weight | 500 g |
| Protection class | IP 40 |
| Housing material | die-cast zinc |
| Approvals | |
| Hazardous locations | ATEX 100a, Zone 2 |
| Issued or requested approvals | FM Class 1, Div. 2; C-Tick |
| Scope of delivery and accessories | |
| Scope of delivery | device, start-up instructions |
| Accessories to order separately | manual, order no. 039 629-001 |

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.