

Fiber-optic amplifier

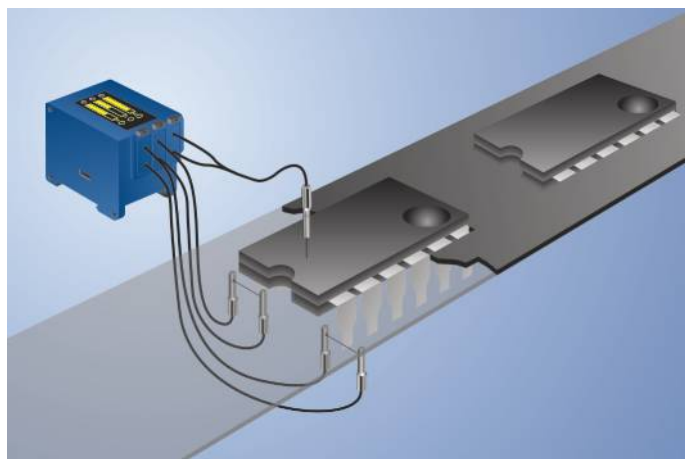
ODX402P0088



- Basic module
- Menu-driven settings
- Modular system – 12 add-on modules can be connected, ODX402P0099
- Mount for fiber optic cable adapter 3
- Recognition of transparent objects

Three wenglor fiber-optic cables are connected to these sensors. Up to 12 add-on modules can be connected to this basic module, making 15 fiber-optic cables available.

The graphic display guarantees easy, menu-driven sensor setup. Signal strengths and the switching threshold can be read from the display as numeric values or as a bar graph. Convenient programming and quick diagnosis is possible via the IO-Link interface.



Optical Data

Switching Hysteresis	< 15 %
Light Source	Red Light
Wavelength	660 nm
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux

Electrical Data

Supply Voltage	18...30 V DC
Current Consumption (U _b = 24 V)	< 70 mA
Switching Frequency	2 kHz
Response Time	250 µs
On-/Off-Delay	0...10000 ms
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2,5 V
Switching Output/Switching Current	100 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Teach Mode	NT, MT, ZT, DT, FT, HT, TP
Interface	IO-Link V1.0
IO-Link Parameter	> 12
Protection Class	III

Mechanical Data

Setting Method	Menu (OLED)
Housing Material	Plastic
Degree of Protection	IP50
Connection	M12 × 1; 4+8-pin
DIN-Rail mounting	35 mm

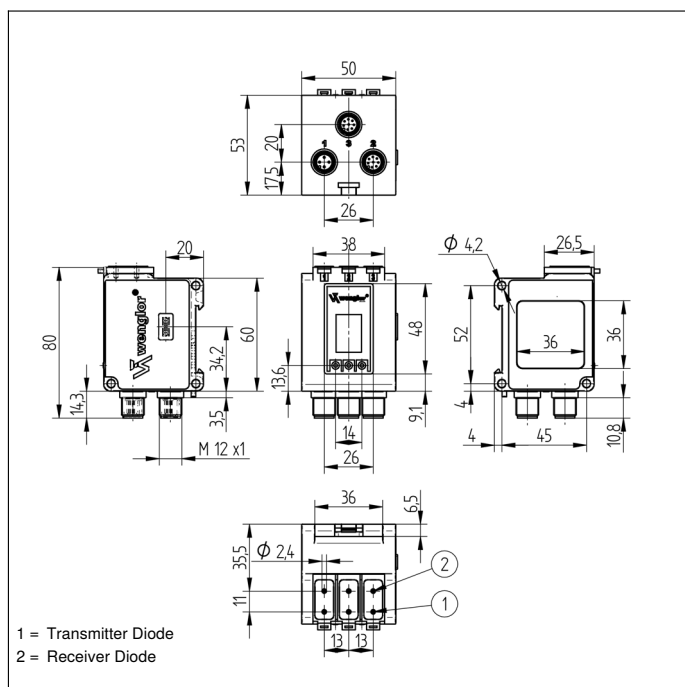
Safety-relevant Data

MTTFd (EN ISO 13849-1)	347,83 a
Speed Measurement	●
Selectable menu language	●
Password Protection	●
Logic Output	AND / OR
Contamination Output	●
IO-Link	●
PNP NO	●
Connection Diagram No.	773 775 776
Control Panel No.	X2
Suitable Connection Equipment No.	2 89
Suitable Fiber-Optic Cable Adapter No.	003

Display brightness may decrease with age. This does not result in any impairment of the sensor function.

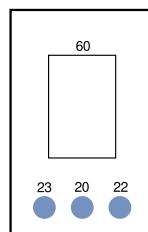
Complementary Products

Add-on Module ODX402P0099
Glass Fiber-Optic Cable
IO-Link Master
Plastic Fiber-Optic Cable
Software



Ctrl. Panel

X2



20 = Enter key
22 = Up key
23 = Down key
60 = display

