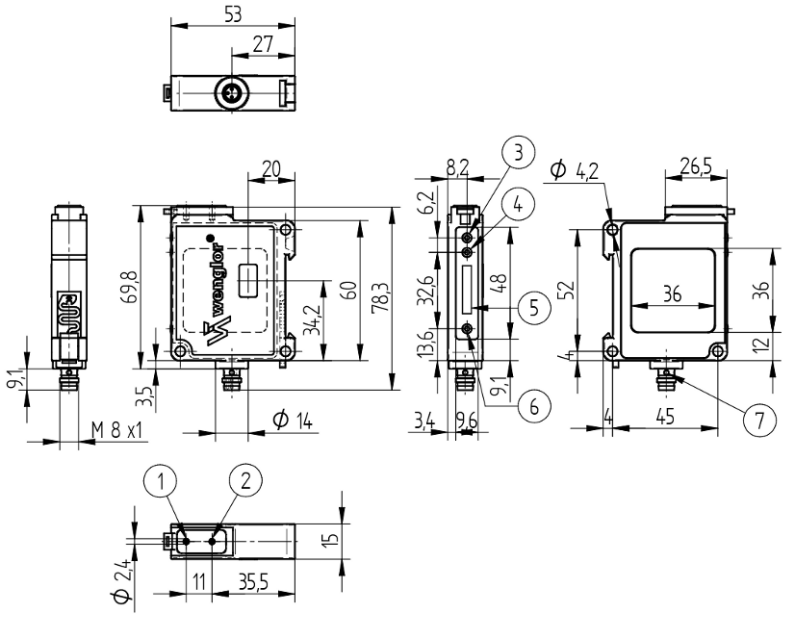
wenglor
the innovative family

Technical Data
ODX402P0008
Fiber-optic amplifier





Symbol	Key
1	Emitter diode
2	Receiver diode
3	Enter button
4	Down button
5	Indicator
6	Up button

EN

Dimensions in mm
Subject to change without notice
Version 1
www.wenglor.com

Technical data

Optical Data	
Switching Hysteresis	< 15 %
Light Source	LED, red
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 (Ub = 24 V)	< 40 mA
Switching Frequency	4 kHz
Response Time	125 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
Protection Class	III

Mechanical Data	
Setting Method	Menu (OLED)
Housing Material	Plastic, ABS Plastic, PC
Degree of Protection	IP65
Connection	M8 × 1; 3-pin
DIN-Rail mounting	35 mm

Safety-relevant Data	
MTTFd (EN ISO 13849-1)	854.78 a

General Data	
Selectable menu language	X
Password Protection	X
Scope of delivery	1 × initial start-up instructions 1 × sensor

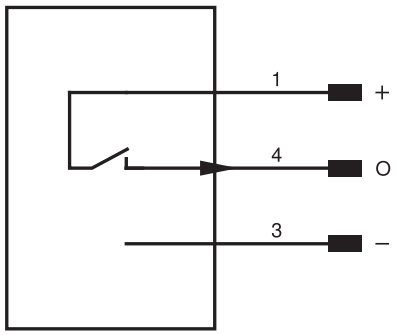
Adjustable parameters	
Output	Push-pull PNP

Adjustable parameters	
Circuit	NC NC/NO NO

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

BMECat data	
eCl@ss 5.1.4	27-27-09-05 Optical fiber sensor
eCl@ss 6.x	27-27-09-05 Optical fiber sensor
eCl@ss 7.0	27-27-09-05 Optical fiber sensor
eCl@ss 7.1	27-27-09-05 Optical fiber sensor
eCl@ss 8.x	27-27-09-05 Optical fiber sensor
eCl@ss 10.0.1	27-27-09-05 Optical fiber sensor

Technical illustrations



Pin	Pin function	Polarity	Circuit
1	Supply Voltage +		
3	Supply voltage 0 V		
4	Switching output	PNP	NO