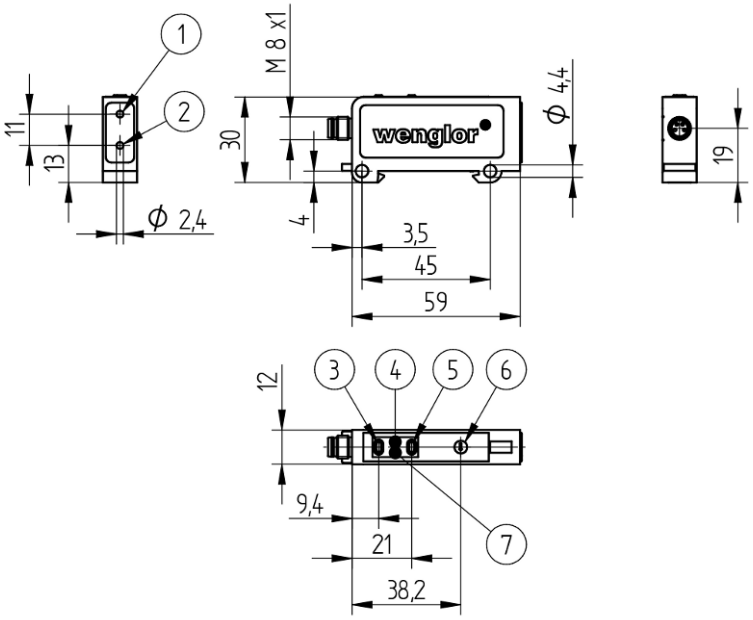
wenglor
the innovative family

Technical Data
ODX202P0107
Fiber-optic amplifier





Symbol	Key
1	Emitter diode
2	Receiver diode
3	Minus button
4	Contamination warning
5	Plus button
6	Rotary selector switch
7	Operating Status Indicator

EN

Dimensions in mm
Subject to change without notice
Version 0
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	10...30 V DC
Current Consumption (Ub = 24 V)	< 40 mA
Switching Frequency	2 kHz
Response Time	250 µs
On-/Off-Delay	0...200 ms
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2.5 V
Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Teach Mode	NT, MT, ZT, DT, TP
Protection Class	III

Mechanical Data	
Setting Method	Teach-In
Housing Material	Plastic, PBT
Full Encapsulation	yes
Degree of Protection	IP65
Connection	M8 × 1; 4-pin
DIN-Rail mounting	35 mm

Safety-relevant Data	
MTTFd (EN ISO 13849-1)	1494.72 a

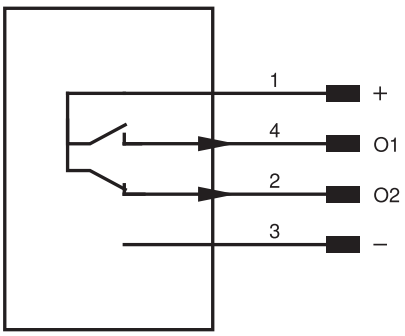
General Data	
Scope of delivery	1 × initial start-up instructions 1 × sensor

Adjustable parameters	
Output	Push-pull NPN PNP Contamination Output

Adjustable parameters	
Circuit	NC NC/NO NO

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 +		
2	Switching Output 2	PNP	NC
3	Supply voltage 0 V		
4	Switching Output 1	PNP	NO