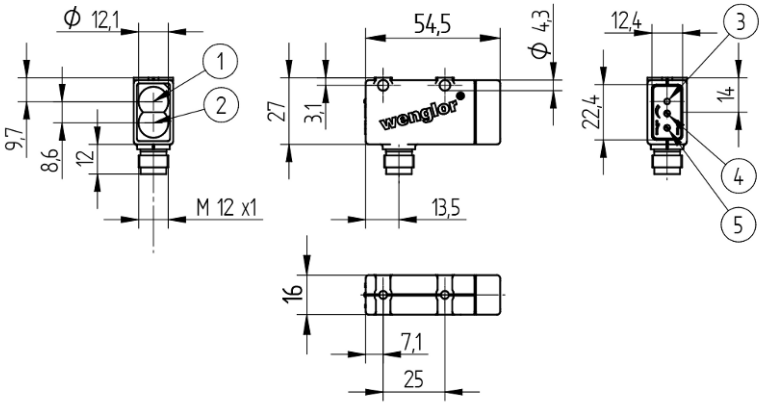
wenglor
the innovative family

Technical Data
YM24PAH2ANZ
Contrast Sensor





Symbol	Key
1	Emitter diode
2	Receiver diode
3	Switching status indicator/contamination warning
4	Switching distance adjuster
5	On/off delay adjuster

EN

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

Technical data

Optical Data	
Range	150 mm
Setting Range	60...150 mm
Switching Hysteresis (Lateral Approach)	< 50 µm
Light Source	Laser, red
Wavelength	660 nm
Service Life (T = +25 °C)	100000 h
Laser Class (EN 60825-1)	1
Max. Ambient Light	10000 Lux
Light Spot Diameter	1 mm

Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 30 mA
Switching Frequency	3 kHz
Response Time	166 µs
On-Delay	5 ms
Temperature Drift	< 5 %
Temperature Range	-10...60 °C
Switching Output Voltage Drop	< 2.5 V
PNP Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Protection Class	III
FDA Accession Number	1720379-000

Mechanical Data	
Setting Method	Potentiometer
Housing Material	Plastic, PBT
Optic Cover	Plastic, PMMA
Full Encapsulation	yes
Degree of Protection	IP67
Connection Type	Plug variant
Connection	M12 × 1; 4-pin

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

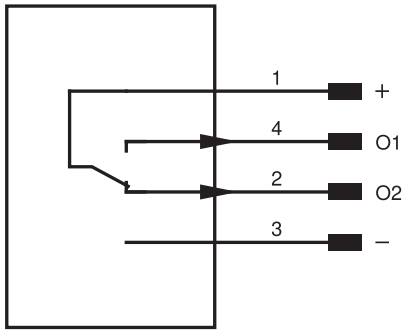
All other parameters can be found in the product documentation.

* Laser class 1 valid for all sensors starting with revision D. Revision can be found on production order number "xxxxx/D/xxxxxx" shown on the product type label.

BMECat data	
eCl@ss 5.1.4	27-27-09-06 Contrast scanner
eCl@ss 6.x	27-27-09-06 Contrast scanner

BMECat data	
eCl@ss 7.0	27-27-09-06 Contrast scanner
eCl@ss 7.1	27-27-09-06 Contrast scanner
eCl@ss 8.x	27-27-09-06 Contrast scanner
eCl@ss 10.0.1	27-27-09-06 Contrast scanner

Technical illustrations



Pin	Pin function	Polarity	Circuit
1	Supply Voltage +		
2	Switching Output 2	PNP	Antivalent
3	Supply voltage 0 V		
4	Switching Output 1	PNP	NO