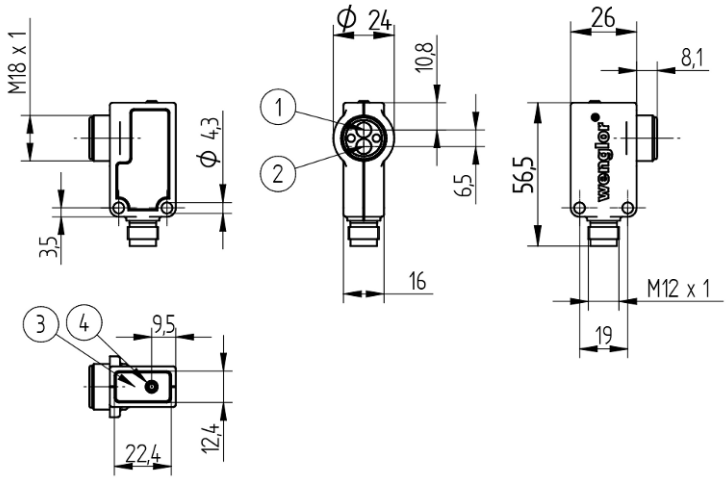
wenglor
the innovative family

Technical Data

TR55PCVT2
Reflex Sensor

Energetic





Symbol	Key
1	Emitter diode
2	Receiver diode
3	Switching status indicator/contamination warning
4	Teach-in button

EN

Dimensions in mm
Subject to change without notice
Version 0
www.wenglor.com

Technical data

Optical Data	
Range	500 mm
Switching Hysteresis	< 15 %
Light Source	Infrared, LED
Wavelength	880 nm
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	12 °

Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 40 mA
Switching Frequency	1 kHz
Response Time	500 µs
Temperature Drift	< 10 %
Temperature Range	-25...60 °C
Switching Output Voltage Drop	< 2.5 V
PNP Switching Output/Switching Current	200 mA
Residual Current Switching Output	< 50 µA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Lockable	yes
Teach Mode	NT, MT
Protection Class	III

Mechanical Data	
Setting Method	Teach-In
Housing Material	Plastic, PBT Stainless steel, V2A (1.4305/303)
Full Encapsulation	yes
Degree of Protection	IP67
Connection Type	Plug variant
Connection	M12 × 1; 4-pin

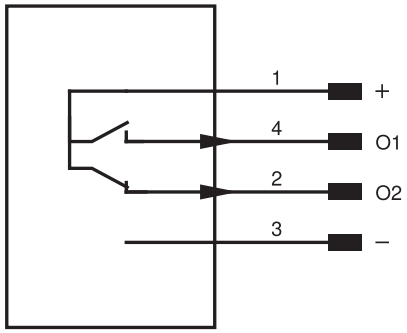
General Data	
Scope of delivery	1 × operating instructions 1 × initial start-up instructions 1 × MUTTER-M18-E012 hex nut 1 × sensor

All other parameters can be found in the product documentation.

BMECat data	
eCl@ss 5.1.4	27-27-09-03 Light scanner, energetic
eCl@ss 6.x	27-27-09-03 Light scanner, energetic

BMECat data	
eCl@ss 7.0	27-27-09-03 Light scanner, energetic
eCl@ss 7.1	27-27-09-03 Light scanner, energetic
eCl@ss 8.x	27-27-09-03 Light scanner, energetic
eCl@ss 10.0.1	27-27-09-03 Light scanner, energetic

Technical illustrations



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

