wenglor
the innovative family

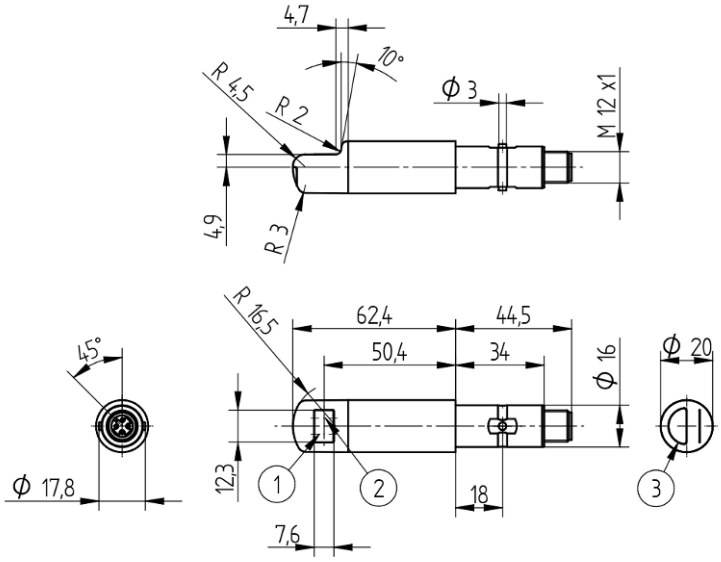
Technical Data

OKII603C0103

Retro-Reflex Sensor

for Transparent Objects





Symbol	Key
1	Emitters
2	Receiver diode
3	Multi-function button

EN

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

Technical data

Optical Data	
Range	6000 mm
Reference Reflector/Reflector Foil	RQ100BA
Switching Hysteresis	< 5 %
Light Source	LED, red
Polarization Filter	yes
Service Life (T = +25 °C)	100000 h
Max. Ambient Light	10000 Lux
Opening Angle	3 °
Optics	Two-Lens Optic

Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 40 mA
Switching Frequency	1600 Hz
Response Time	313 µs
On-/Off-Delay (RS-232)	0...5 s
Temperature Drift	< 5 %
Temperature Range	-10...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	Stainless steel, V4A (1.4404/316L)
Degree of Protection	IP69K IP68
Connection Type	Plug variant
Connection	M12 × 1; 4-pin
Optic Cover	Plastic, PMMA (FDA)
Material Control Panel	Plastic, PC (FDA)

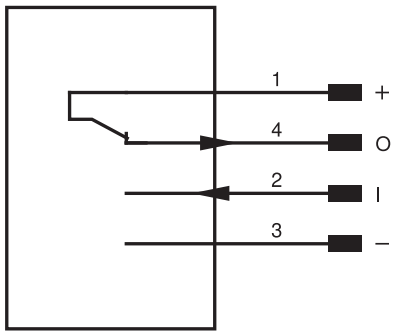
General Data	
Approvals	Ecolab FDA compliant

Adjustable parameters	
Circuit	NC NC/NO NO

All other parameters can be found in the product documentation.

BMECat data	
eCl@ss 5.1.4	27-27-09-02 Reflection light barrier
eCl@ss 6.x	27-27-09-02 Détecteur photoélectrique reflex
eCl@ss 7.0	27-27-09-02 Reflection light barrier
eCl@ss 7.1	27-27-09-02 Reflection light barrier
eCl@ss 8.x	27-27-09-02 Reflection light barrier
eCl@ss 10.0.1	27-27-09-02 Détecteur photoélectrique reflex

Technical illustrations



Pin	Pin function	Polarity	Circuit
1	Supply Voltage +		
2		High activ	
3	Supply voltage 0 V		
4	Switching output	PNP	NC

Reflector data	
RQ100BA	0.03...6 m
RE18040BA	0.04...4 m
RQ84BA	0.04...4.7 m
RR84BA	0.04...5.9 m
RE9538BA	0.06...2.4 m
RE6151BM	0.11...4.6 m
RR50_A	0.03...3.5 m
RE6040BA	0.02...4.5 m
RE8222BA	0.03...2.7 m
RR34_M	0.13...1.9 m
RE3220BM	0.11...1.9 m
RE6210BM	0.15...1 m
RR25_M	0.08...1.5 m
RR25KP	0.09...1 m
RR21_M	0.07...1.6 m
Z90R001	0.06...1.2 m
ZRAE02B01	0.04...2.5 m

Reflector data	
ZRME01B01	0.06...0.8 m
ZRME03B01	0.1...2.2 m
ZRMR02K01	0.06...0.9 m
ZRMS02_01	0.06...1.2 m
RF505	0.14...1.7 m
RF508	0.14...1.7 m
RF258	0.14...1.5 m
ZRDF__K01	0.14...4 m

Reflector type, mounting distance