

Q26PXL

Photoelectric Sensor – Retroreflective Sensor with Polarizing Filter

For Clear Object Detection

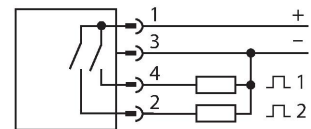
Technical data

Type	Q26PXL
ID no.	3086705
Optical data	
Function	Retroreflective sensor with polarizing filter
Light type	Red polarized
Wavelength	660 nm
Range	5...800 mm
Electrical data	
Operating voltage	12...30 VDC
Residual ripple	< 10 % U _{ss}
No-load current	≤ 15 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	2 normally open contact, PNP
Switching frequency	4 kHz
Mechanical data	
Design	Rectangular, Q26
Dimensions	25 x 14 x 42 mm
Housing material	Plastic, ABS, Black
Lens	glass
Electrical connection	Cable, 2 m, PVC
Ambient temperature	-10...+55 °C
Protection class	IP67
Power-on indication	LED, Green
Switching state	LED, Yellow
Tests/approvals	
Approvals	CE, cULus listed

Features

- Light or dark operation, adjustable
- Sensitivity adjusted via potentiometer
- Coaxial optics, reduced blind zone
- Operating voltage: 10...30 VDC
- PNP switching output
- Switching output for insufficient excess gain

Wiring diagram



Functional principle

The Q26 is a retroreflective sensor for the detection of light, transparent and also opaque objects. The sensor is perfectly suited for the detection of PET bottles, glass jars, reflecting surfaces, LCD glasses or even semiconductor wafers. In addition to a coaxial optics, the sensor is also equipped with an auxiliary output that switches when excess gain is outside the normal range. The sensitivity is adjusted via potentiometer, in order to distinguish green from transparent bottles for example. Light or dark operation is adjusted via rotary switch.

Accessories

SMBLSTQ26	3019506	SMBLSTDQ26	3018180
	Mounting bracket, stainless steel, for Q26		Mounting bracket, stainless steel, rectangular, for Q26

Accessories

Dimension drawing	Type	ID no.	
	BRT-60X40C	3044997	Rectangular reflector, reflection coefficient 1.48, material: acrylic, ambient temperature -20...+60 °C

