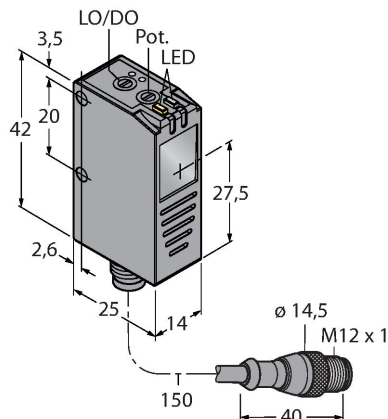


Q26NLUMQ5

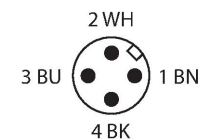
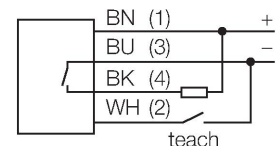
Photoelectric Sensor – Luminescence Sensor



Features

- Cable with male end M12 × 1, 4-pin
- Protection class IP67
- Light or dark operation, adjustable
- Adjustment via pushbutton or teach input
- Coaxial optics, reduced blind zone
- Operating voltage: 10...30 VDC
- NPN switching output
- Teach input

Wiring diagram



Functional principle

The Q26 Luminescence sensor is intended for the detection of luminescent materials. These include plastics, coatings, lubricants, etc. The fluorescent materials convert the UV light into long-wave visible light. This light is reflected, captured and evaluated by the sensor. This, the different materials can be better distinguished. The Q26 is ideally suited to detect dyes, inks, labels, adhesives or tamper-proof seals. The compact sensor for IP67 applications is set accordingly via the pushbutton on the housing or the signal input cable. The function of the switching output is inverted by a rotary switch. The sensor has a coaxial optics.

Technical data

Type	Q26NLUMQ5
ID	3095144
Optical data	
Function	Inspection sensor
Operating mode	Luminescence sensor
Light type	UV
Wavelength	375 nm
Range	10...30 mm
Electrical data	
Operating voltage	12...30 VDC
Residual ripple	< 10 % U _{ss}
No-load current	≤ 30 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Output function	NO contact, NPN
Switching frequency	2 kHz
Setting option	Push Button Remote Teach
Mechanical data	
Design	Rectangular, Q26
Dimensions	25 x 14 x 42 mm
Housing material	Plastic, Thermoplastic material, Black
Lens	glass, Polycarbonate
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC
Number of cores	4
Ambient temperature	-10...+55 °C
Protection class	IP67

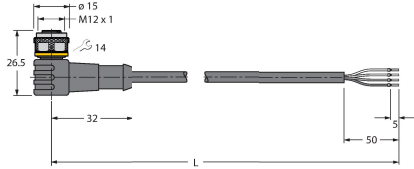
Technical data

Power-on indication	LED, Green
Switching state	LED, Yellow
Excess gain indication	LED
Tests/approvals	
Approvals	CE, cULus listed

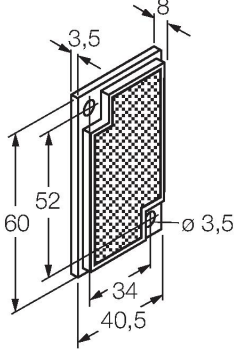
Accessories

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

Accessories

Dimension drawing	Type	ID	
	RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com
	WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com

Accessories

Dimension drawing	Type	ID	
	BRT-60X40C	3044997	Rectangular reflector, reflection coefficient 1.48, material: acrylic, ambient temperature -20...+60 °C