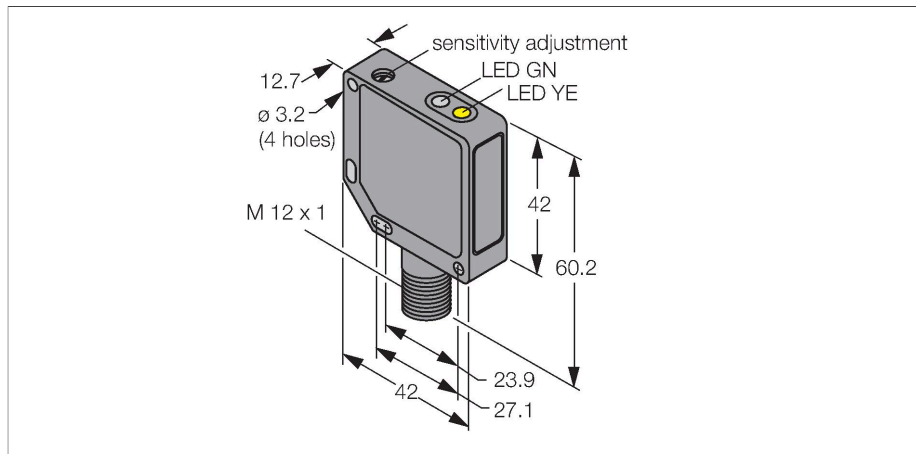


QM426EQ

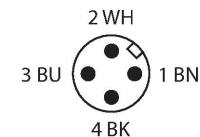
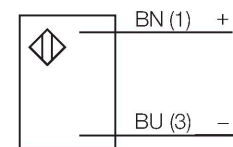
Photoelectric Sensor – Opposed Mode Sensor (Emitter)



Features

- Male M12 × 1, 4-pin
- Metal housing, ZN, black
- Protection class IP67
- Operating voltage: 10...30 VDC

Wiring diagram

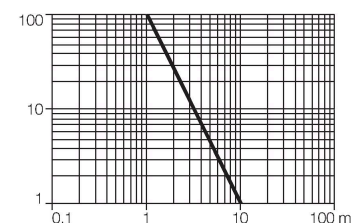


Technical data

Type	QM426EQ
ID	3044334
Optical data	
Function	Opposed mode sensor
Operating mode	Emitter
Light type	IR
Wavelength	880 nm
Range	0...10000 mm
Electrical data	
Operating voltage	10...30 VDC
Residual ripple	< 10 % U _{ss}
No-load current	≤ 30 mA
Short-circuit protection	yes
Reverse polarity protection	yes
Readiness delay	≤ 100 ms
Mechanical data	
Design	Rectangular, QM42
Dimensions	42 x 12.7 x 60.2 mm
Housing material	Metal, Zinc Alloy Die-Cast, Black-finished
Lens	plastic, Acrylic
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-20...+70 °C
Protection class	IP67
Power-on indication	LED, Green
Excess gain indication	LED

Functional principle

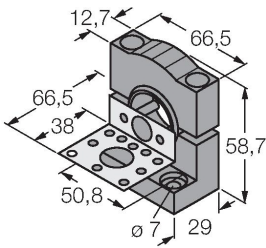
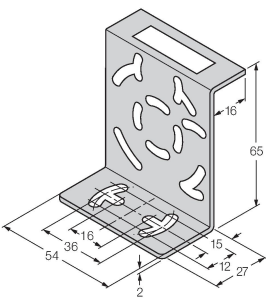
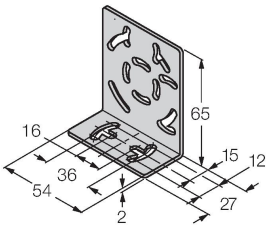
Opposed mode sensors consist of an emitter and receiver. They are installed opposite each other so that the light from the emitter is aimed directly at the receiver. When an object interrupts or weakens the light beam, the sensor switches. Opposed mode sensors are the most reliable photoelectric sensors for detection of opaque targets. An excellent contrast between light and dark conditions and an extremely high excess gain are typical of this sensing mode, thus allowing operation over larger distances and under difficult conditions. Excess gain curve
Excess gain in relation to the distance



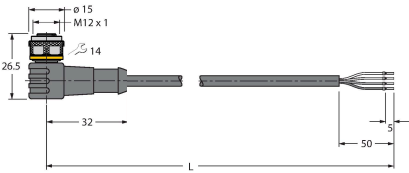
Technical data

Tests/approvals	
Approvals	CE, cURus

Accessories

SMB30SK	3052523	Mounting bracket, PBT black, with mounting plate, stainless steel, for types with 18 mm thread, QM42/ QMT42
		
SMB46S	3048748	Mounting bracket, stainless steel, for QS18, QS30, MINI-BEAM, QM42/ QMT42
		
SMB46L	3048747	Mounting bracket, stainless steel, for QS18, QS30, MINI-BEAM, QM42/ QMT42
		

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