



**Model Number**

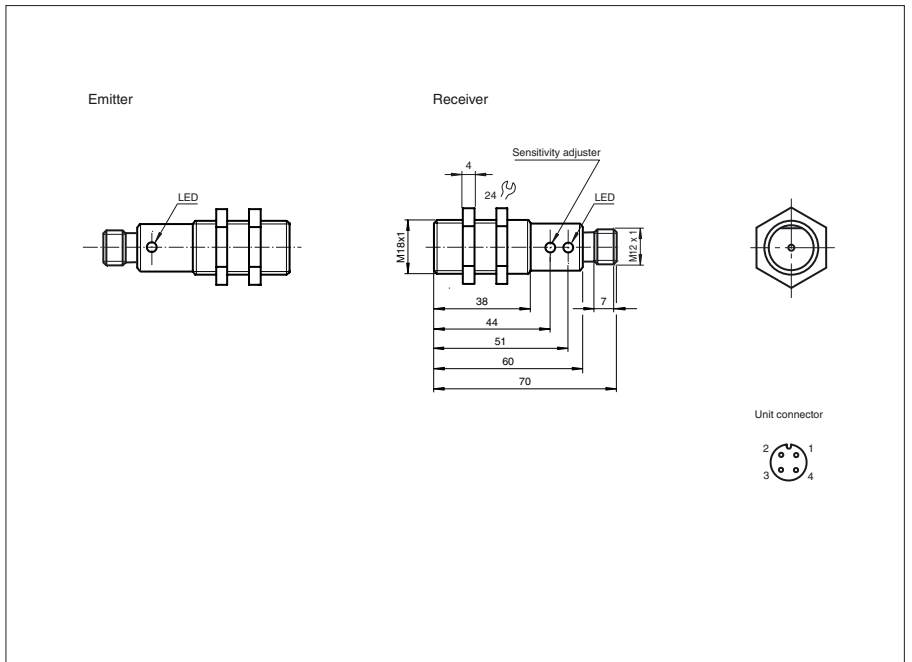
**OBE10M-18GM60-4923**

Thru-beam sensor  
with 4-pin, M12 x 1 connector

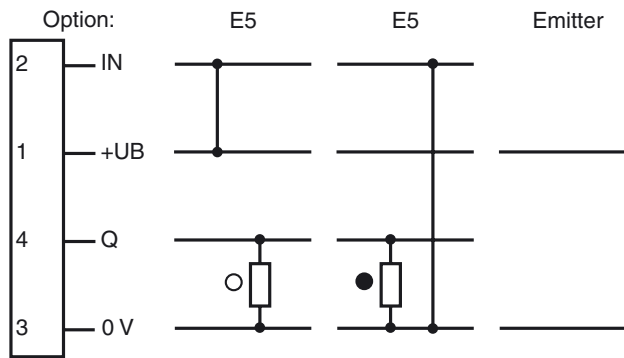
**Features**

- Dual color indication LED
- Light/dark ON, programmable
- Sensitivity adjuster for optimal adaptation to the application
- Protection degree IP67
- Strong metallic housing in cylindrical shape M18 x 1

**Dimensions**

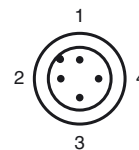


**Electrical connection**



○ = Light on  
● = Dark on

**Pinout**



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**Technical data****General specifications**

Effective detection range	0 ... 10 m
Adjustment range	0 ... 10000 mm
Reference target	receiver
Light source	Red , 660 nm
Light type	660 nm visible red light
Approvals	CE, cULus Listed 57M3 (Only in association with UL Class 2 power supply; Type 1 enclosure)
Diameter of the light spot	approx. 600 mm at detection range 10 m
Ambient light limit	10000 Lux

**Indicators/operating means**

Operating display	LED green (emitter)
Function display	Dual color-LED, yellow/green yellow: switching state green: power on flashing: stability control
Controls	sensitivity adjustment

**Electrical specifications**

Operating voltage	$U_B$	10 ... 30 V DC , class 2
Ripple		10 %
No-load supply current	$I_0$	$\leq 25$ mA (device)
Time delay before availability	$t_v$	$\leq 25$ ms

**Output**

Switching type	light/dark on electrically switchable	
Signal output	1 PNP output, short-circuit protected, protected from reverse polarity, open collector	
Switching voltage	max. 30 V DC	
Switching current	max. 100 mA	
Voltage drop	$U_d$	$\leq 2.5$ V
Switching frequency	$f$	$\leq 500$ Hz
Response time		$\leq 1$ ms

**Standard conformity**

Standards	EN 60947-5-2
Standards 2	UL 508

**Ambient conditions**

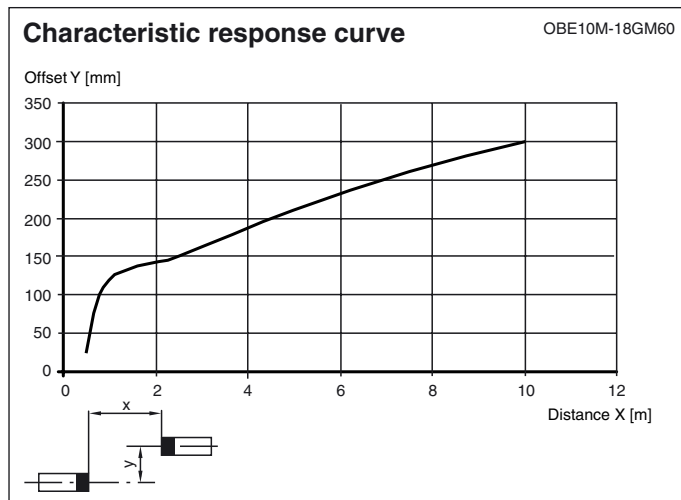
Ambient temperature	-25 ... 55 °C (-13 ... 131 °F)
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)

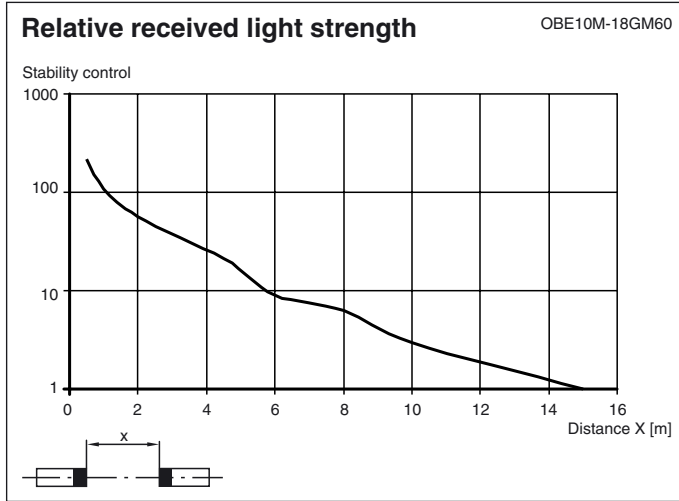
**Mechanical specifications**

Protection degree	IP67
Connection	connector M12 x 1, 4-pin
Material	
Housing	brass, nickel-plated
Optical face	PC
Mass	45 g per device

**Approvals and certificates**

CCC approval	Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval.
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**Curves/Diagrams**



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Subject to modifications without notice

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