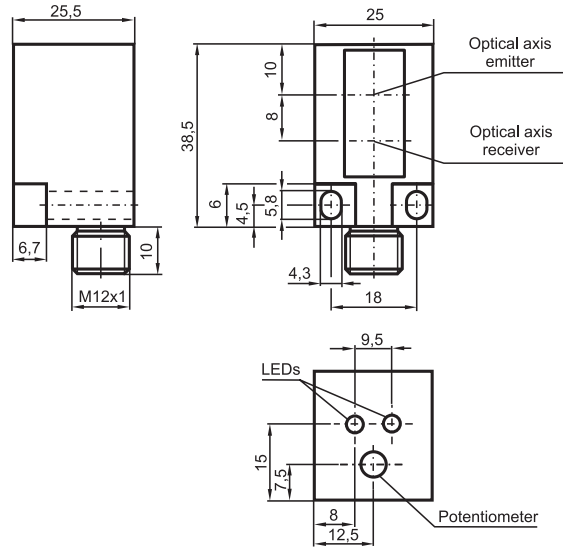
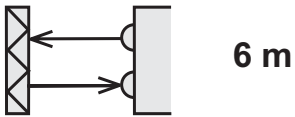


Retro-Reflective Photoelectric Sensor



OBS6000-F10-□*1-V1



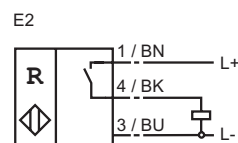
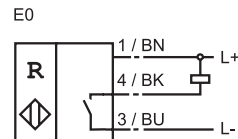
Features

- 6000 mm sensing range
- Pre-fault indicator
- Protection class IP 67

Reflectors, cable sockets, mounting aids etc. see "Accessories" section.

e. g. cable sockets: V1-G-2M-PVC (straight)
V1-W-2M-PVC (angled)

Electrical connection



*1 - electrical connection

Technical Data

Model number	OBS6000-F10-E2-V1 OBS6000-F10-E0-V1
Sensing range	0 mm ... 6000 mm
Reference card size	Retro-reflector ORR100
Light source	Visible red light 660 nm polarising filter
Switch frequency	200 Hz
ON delay	2.5 ms
Readiness delay	20 ms
Electrical Data	
Rated operational voltage	10 VDC ... 30 VDC, ripple 10 % U_B
Current consumption	≤ 20 mA
Switch output	E0: npn, N.O. E2: pnp, N.O.
Rated operational current	250 mA circuit/overload proof
Voltage drop	≤ 1.5 V
Ambient light limit	Halogen light ≤ 7 500 Lux Sunlight ≤ 15 000 Lux
Operating mode	Dark ON
Indicators LED yellow	Switch status
LED red	Pre-fault
Operating temperature	248 Kelvin ... 343 Kelvin (-25 °C ... +70 °C)
Storage temperature	233 Kelvin ... 353 Kelvin (-40 °C ... +80 °C)
Mechanical Data	
Protection class to IEC 60 529	IP 67
Optical system material	PMMA 2 lens system
Connection type	V1 connector
Housing	PBT
Material front lens	Scratch resistant plastic lens
Weight	60 g
Conforms to	EN 60 947-5-2

Characteristic response curve

Permissible distance (offset) between optical axis and object.

