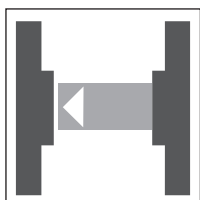




Through beam sensor

OBE15M-F40-SE4-V1
OBE15M-F40-SE5-V1

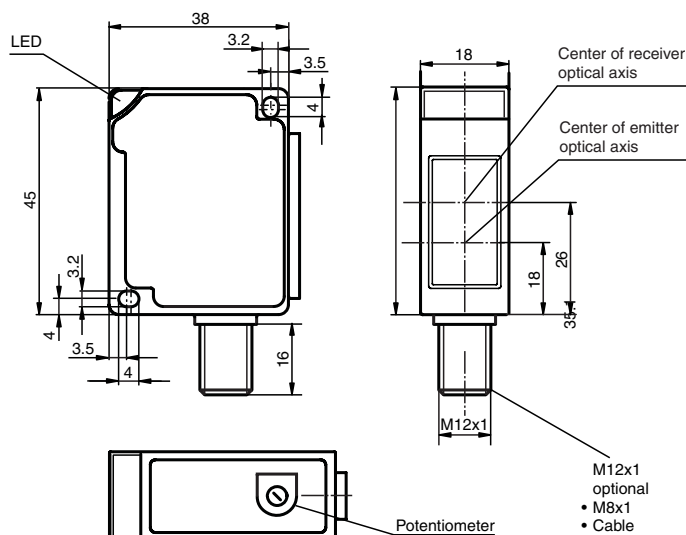


15 m



Features

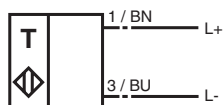
- Light/Dark ON, programmable
- Visible red light
- Pre-fault indication
- Protection degree IP67
- Connector M12 x 1 for fast mounting



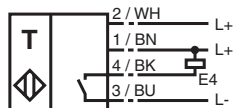
Mounting accessories etc., see section "accessories"

Electrical connection

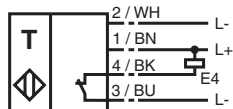
Emitter:



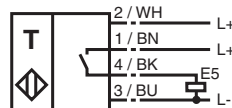
E4, N.O. (Light ON):



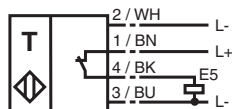
E4, N.C. (Dark ON):



E5, N.O. (Light ON):



E5, N.C. (Dark ON):



Technical data

Valid for the whole family

General specifications

Sensing range	0 ... 15 m
Adjustment range	2 ... 15 m
Reference target	Receiver
Operating mode	Light/Dark ON, programmable
Light type	Visible red light 660 nm
Ambient light limit	≤ 10000 Lux sun light ≤ 7500 Lux halogen light
Standard conformity	EN 60947-5-2

Indicating/operating means

LED green	emitter: Power on
LED yellow	Switching state (receiver only)
LED red	Pre-fault indication (receiver only)
Potentiometer	Adjustment of the sensing range

Electrical specifications

Rated operational voltage	U_e 10 ... 30 V DC, ripple 10 % _{SS}
No-load supply current	I_0 ≤ 25 mA
Time delay before availability	t_v 30 ms

Output

Rated operational current	I_e 200 mA, short circuit/overload protected
Voltage drop	U_d ≤ 2.5 V
Switching frequency	f 150 Hz
Switch-on delay	t_{on} 3 ms

Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 70 °C (233 ... 343 K)

Mechanical specifications

Protection degree	IP67 according to EN 60529
Connection type	V1 connector (M12 x 1), 4 pin
Material	
Housing	ABS
Light exit	Scratch resistant plastic plate
Mass	40 g (device)

Version data

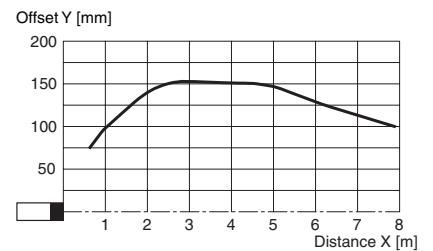
Model number	OBE15M-F40-SE4-V1	OBE15M-F40-SE5-V1
Output type	1 switch output E4, npn NO/NC	1 switch output E5, pnp NO/NC

Model number

OBE15M-F40-SE4-V1
OBE15M-F40-SE5-V1

Characteristic curves

Characteristic response curve



Permissible distance (offset) between the optical axis of the emitter and receiver.

