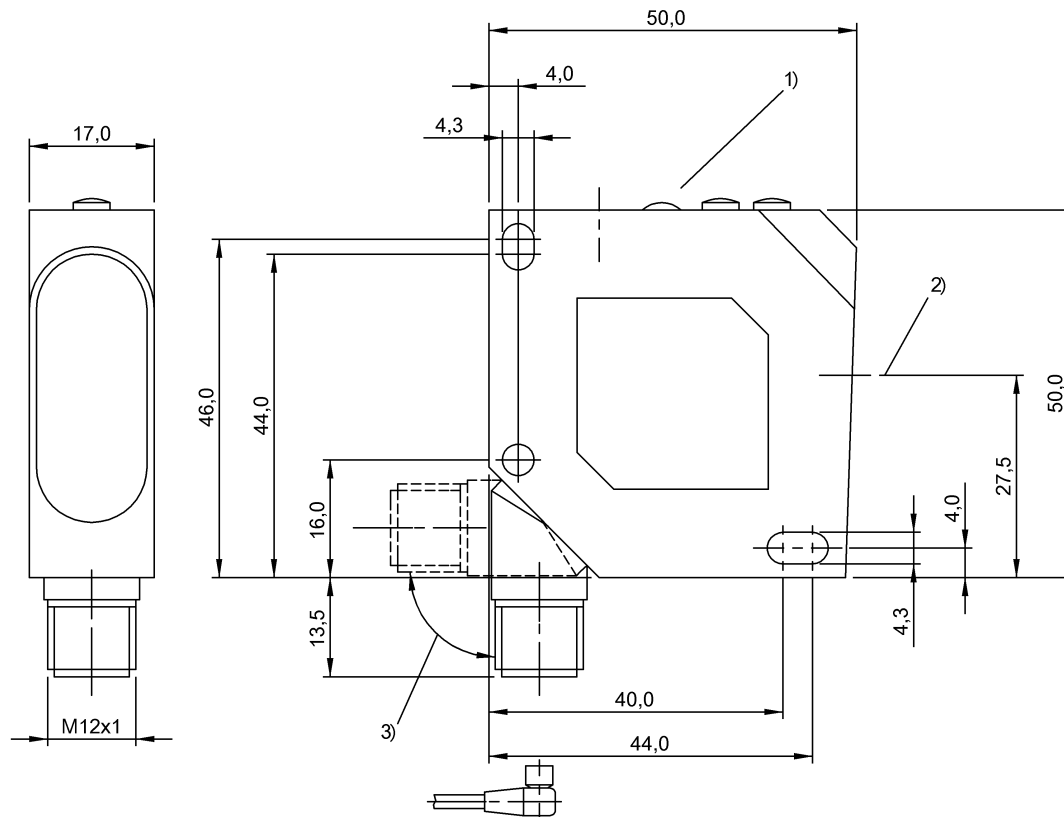


BOS 26K-PA-1QE-S4-C BOS008M



1) Display and control panel 2) Optical axis 3) rotatable 270°



LISTED IND. CONT. EQ. 77HA
for use in the secondary of
a class 2 source of supply

Display/Operation

Adjuster	Potentiometer 270° (1x)
Setting	Sensitivity (Sn)

Electrical connection

Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	1 µF
MTTF (40 °C)	6 a
No-load current I _o max. at Ue	30 mA
Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e DC	200 mA
Rated operating voltage U _e DC	24 V
Switching frequency	1000 Hz
Turn-off delay t _{off} max.	0.5 ms
Turn-on delay t _{on} max.	0.5 ms

Utilization category	DC -13
Voltage drop U _d max. at I _e	2.4 V

Environmental conditions

Ambient temperature	-20...60 °C
Protection class	II
Protection type IEC 60529	IP67
Reference reflector	BOS R-2

Functional safety

Diagnostic coverage	0 %
Functional safety	no
Mission Time	10 a

General data

Approval/Conformity	CE cULus
Basic standard	IEC 60947-5-2
Series	26K
Style	Square Connection can be rotated

BOS 26K-PA-1QE-S4-C BOS008M

Material

Housing material	ABS
Material sensing surface	PMMA

Mechanical data

Dimension	17 x 50 x 50 mm
Fastening detail	Screw M4

Optical data

Ambient light max.	5000 Lux
Light type	LED Red light
Polarizing filter	yes
Principle of optical operation	Retroreflective sensor
Special optical feature	Coaxial optics
Wave length	660 nm

Output/Interface

Switching output	PNP Normally closed (NC) PNP Normally open (NO)
------------------	--

Range/Distance

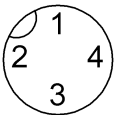
Measuring range	0...5.5 m
Range	0...5.5 m
Rated operating distance Sn	5.5 m, Adjustable
Ripple max. (% of Ue)	10 %

Remarks

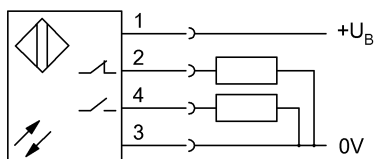
The sensor is functional again after the overload has been eliminated.
Order accessories separately.
Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Use an R/C (CYJV2) cable with suitable properties for attaching the device.
For additional information, refer to user's guide.
Polarizing filters prevent spurious switching due to reflecting and shiny parts.
Actuation object (target): gray card, 200 x 200, 90 % remission, lateral approach, approach direction vertical to lens axis plane.
For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Connector view

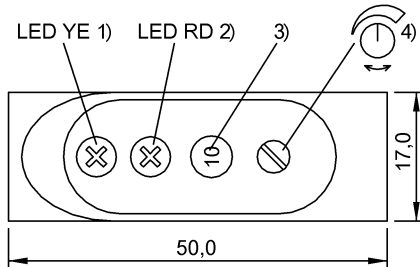


Wiring Diagram



BOS 26K-PA-1QE-S4-C BOS008M

Additional View



1) Output function 2) Stability 3) Switching dist. dig. displ. 4) Sensitivity

Symbols for Optoelectronic Sensors

