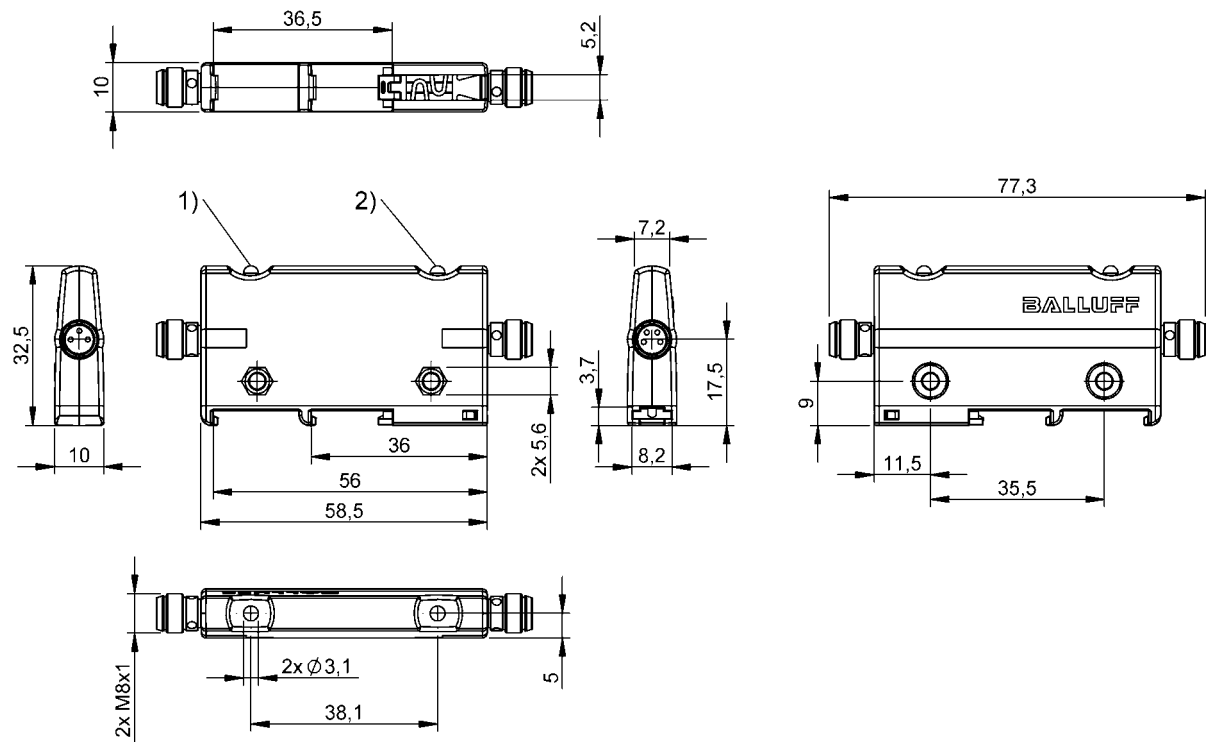


Photoelectric Sensors
BAE SA-OH-060-YI-S75G
Order Code: BAE011C



1) LED (Status), 2) LED (Power)



Basic features

Approval/Conformity	CE WEEE cULus UKCA
Basic standard	IEC 60947-5-2
Principle of operation	Signal amplifier
Series	SA-OH
Style	Square Straight connection

Display/Operation

Adjuster	Configuration via IO-Link
Display	Communication - Green LED, flashing Output 1 active - LED yellow
Power indicator	Green LED
Setting	Counter mode Delay time Dynamic function External teach function Factory setting (Reset) IO-Link Light-on/dark-on On-/off delay SIO mode/IO-Link mode Window function/standard switching function Teach stat./dyn./man. Teach 1-Point/2-Point/dyn. Sensitivity (switch point) Gain Hysteresis

Electrical connection

Connection	Connector, M8x1-Male, 4-pin
Connection 2	Sensor BOH: M8x1-Male, 3-pin
Contact, surface protection	Gold plated
Electrical version	3-/4-wire
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Input function	Emitter on/off Teach Sn Reset counter
Load capacitance max. at Ue	100 nF
No-load current Io max. at Ue	45 mA
Operating voltage Ub	15...30 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current Ie	100 mA
Rated operating voltage Ue DC	24 V
Start-up delay for counter	0...255 s
Switching frequency	500 Hz
Turn-off delay toff max.	1 ms
Turn-on delay ton max.	1 ms
Utilization category	DC -13
Voltage drop Ud max. at Ie	2.5 V

Environmental conditions

Ambient temperature	-5...55 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms, 3x6
EN 60068-2-6, Vibration	10...55 Hz, 1 mm, 5 min
IP rating	IP54

Functional safety

MTTF (40 °C)	319 a
--------------	-------

IO-Link

IO-Link Profil IDs	0x0001 SSP0
IO-Link function classes	0x8000 Device Identification 0x8001 Binary Data Channel 0x8002 Process Data Variables 0x8004 Teach Commands 0x8100 Extended Identification
Supported IO-Link Profiles	Common Profile Legacy Smart Sensor Profile

Interface

Baud rate	COM3 (230,4 kBaud)
Duration of time function	0...10000 ms
Interface	IO-Link 1.1
Switching output	2x PNP/NPN/push-pull NO/NC Programmable
Time function	On/off delay time programmable Single pulse

Material

Housing material	PA PA 6
------------------	------------

Mechanical data

Dimension	10 x 32.5 x 77.3 mm
Mounting part	DIN EN-50045 rail 15 mm DIN EN-50022 rail 35 mm Screw M3 (2x)

Optical features

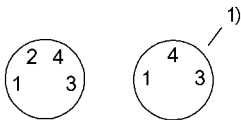
Principle of optical operation	depends on sensor head
Switching function, optical	dark-on/light-on

Range/Distance

Range	depends on sensor head
-------	------------------------

Connector Drawings

10-278



1) Sensor connection

Photoelectric Sensors
BAE SA-OH-060-YI-S75G
Order Code: BAE011C



Wiring Diagrams

