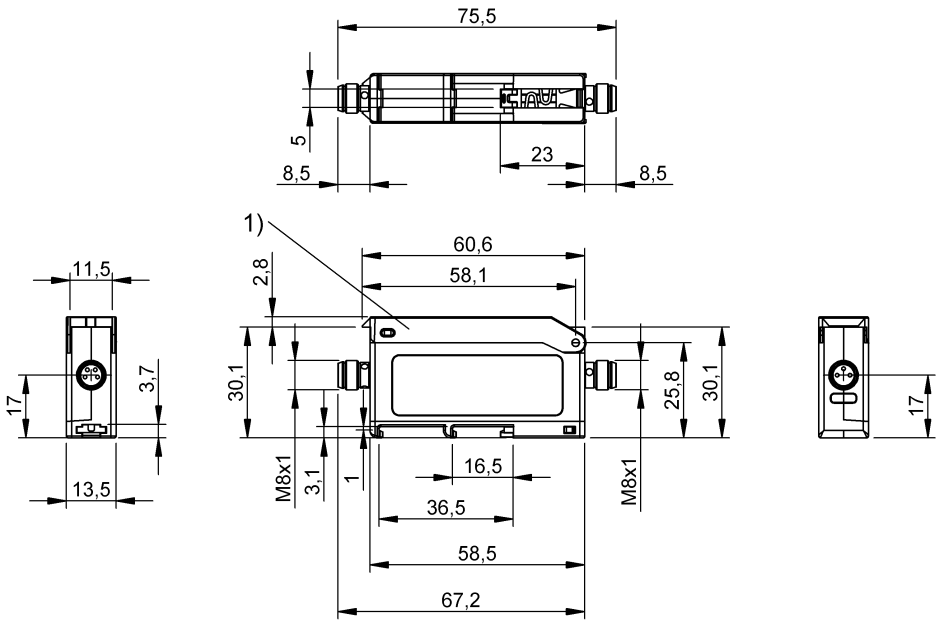
Signal amplifier

V91BP/0-01
Part-no.: 0V27004



1) Top cover

Basic features

Additional features	Teach-in function
Approval/Conformity	CE
Principle of operation	Signal amplifier
Series	V91
Style	Square

Display/Operation

Adjuster	Slide switch 3 positions Slide switch 2 positions (2x) Key (2x)
Display	LED green: Power Error - LED red Output function- LED yellow
Power indicator	Green LED
Setting	Teach Sn Light-on/dark-on On-/off delay

Electrical connection

Connection	Connector, M8x1-Male, 4-pin
Connection 2	Sensor: 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

MEYLE
Meyer Industrie-Electronic GmbH – MEYLE
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Internet: www.meyle.de
E-Mail: sales@meyle.de

Signal amplifier

V91BP/0-01
Part-no.: OV27004

Electrical data

Input function	Teach Sn
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	80 mA
Rated operating voltage Ue DC	24 V
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 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	IP40

Functional safety

MTTF (40 °C)	471.7 a

Interface

Duration of time function	T = 50 ms
Switching output	PNP normally open/normally closed (NO/NC)
Time function	On/off delay

Material

Housing material	PC PA 12

Mechanical data

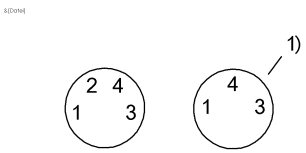
Dimension	13.5 x 32.9 x 75.5 mm
Mounting part	DIN EN-50022 rail 35 mm DIN EN-50045 rail 15 mm

Optical features

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

Range/Distance

Range	depends on sensor head



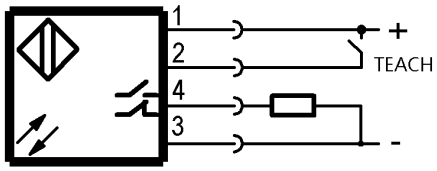
1) Sensor connection

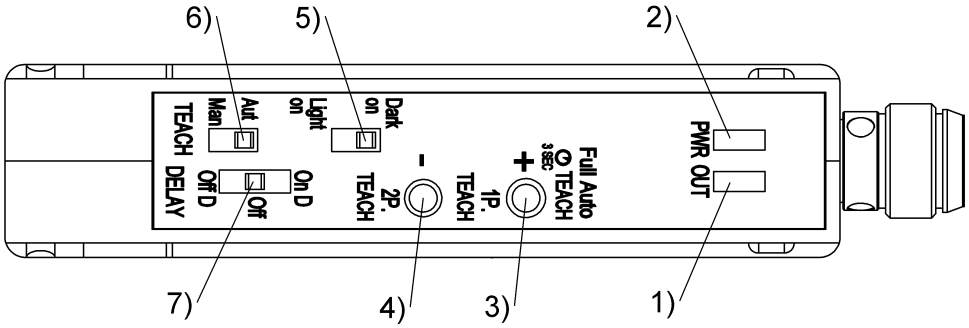
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Signal amplifier

V91BP/0-01

Part-no.: OV27004





1) Status-LED OUT
2) Status-LED PWR
3) Button, +, Teach
4) Button, -, Teach
5) Light-on/dark-on
6) Teachmode
7) Turn-on/off delay

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