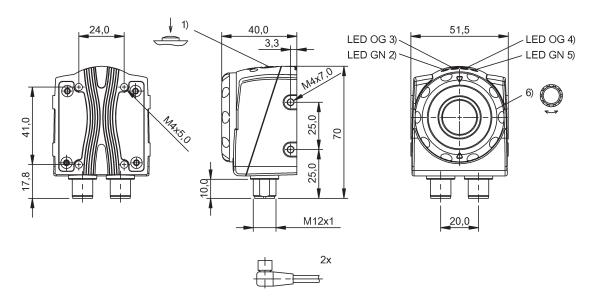
BVS OI-3-105-E BVS0013





1) Teach reference image 2) Power 3) Output 1 active 4) Output 2 active 5) Connection with PC 6) Sharpness

- BVS-E Standard
- Series OI
- Focal distance 6.0 mm
- LED, infrared





General attributes Adjuster

Approvals / Conformity

Basic standard

Duration of time function

Enclosure Type per IEC 60529

Indicator

Input function

No. of charac. per inspec. max Number of inspections max. Polarity reversal protected Series

Setting

Short circuit protected

Time function

Electrical attributes

Auxiliary output Connection type Eff. operating current le Eff. operating voltage Ue DC Interface No-load current max. lo at Ue

Operating voltage UB max. DC [V] Operating voltage UB min. DC [V] Ripple max. (% of Ue) Switching function Switching output

Voltage drop Ud max. (at le)

Mechanical attributes

Ambient temperature Ta max. 55 °C Ambient temperature Ta min. -10 °C

Adjusting ring (1x)

Key (1x) CE cULus IEC 60947-5-2

EN 62471:2008 Impulse 1...1000 ms or infinite Delay 0...1000 ms

IP54

Connection with PC - LED GN Power - LED GN

Output 2 active - LED OG Output 1 active - LED OG Program selection

Trigger 255 20

yes Series Ol Image sharpness Teach-in reference image

ves Single pulse Turn-on and -off delay

Trigger output PNP Connector 100 mA 24 0 V

Ethernet 10/100 Base T

200 mA 26.0 V 22 0 V 10 % NO

PNP (3x) 1.8 V

Connector type

Far working distance Wh Housing material Length 1 Length 2

Length 3 Mounting type Near working distance WI

Sensing face material Style

Surface protection Working range

Optical attributes

Detection rate typ. Field of view max. Field of view min. Image resolution max. LED group acc. IEC 62471

Lens Light type

Optical special feature

Principle of optical operation

Wavelength

M12x1, 4 pole, D-coded M12x1, 4 pole, A-coded

1000 mm GD-AL, ABS 51.5 mm 40.0 mm 70.0 mm Screw M4

50 mm **PMMA** Block, 90° connection

painted 50...1000 mm

3 15 Hz 676 x 507 mm 34 x 25 mm VGA 640 x 480 Pixel Exempt group Focal distance 6.0 mm LED, infrared Infrared pass filter

Incid. light, can be disabled CMOS image sensor black-white 870 nm

Do not press key using a pointed tool. For additional information, refer to user's guide.

Order accessories separately.

Detection rate is dependent on the evaluation function.

When not in use, protect interface plug from penetration by dust and liquids. Protective

cap is included in the scope of delivery.

Only for NFPA 79 applications (machines with a supply voltage of maximum 600 volts). Appropriate connectors can be obtained from Balluff.

Use of external illumination recommended for working distances greater than 300 mm.

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.

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