



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

- BVS-E Universal
- Series Universal
- Focal distance 6.0 mm
- LED, red light





General attributes

Adjuster

Approvals / Conformity

Basic standard

Duration of time function

Enclosure Type per IEC 60529

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. Io 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 Ie) 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
Output 1 active - LED OG
Output 2 active - LED OG
Power - LED GN

Power -Trigger 255 20 yes

Series Universal Image sharpness Teach-in reference image

yes Turn-on and -off delay

Single pulse

Trigger output PNP Connector 100 mA

24.0 V RS232 (9.6...115.2 kBaud) Ethernet 10/100 Base T

200 mA 26.0 V 22.0 V 10 % NO PNP (2x)

1.8 V

Mechanical attributes

Ambient temperature Ta max. Ambient temperature Ta min. 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

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 Principle of optical operation

Wavelength

55 °C

-10 °C M 12x1, 4 pole, A-coded M12x1, 4 pole, D-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...40 Hz 676 x 507 mm 34 x 25 mm VGA 640 x 480 Pixel Exempt group Focal distance 6.0 mm

LED, red light CMOS image sensor black-white

870 nm

Additional text

Detection rate is dependent on the evaluation function.

Use of external illumination recommended for working distances greater than 300 mm. Only for NFPA 79 applications (machines with a supply voltage of maximum 600 volts). Appropriate connectors can be obtained from Balluff.

When not in use, protect interface plug from penetration by dust and liquids. Protective cap is included in the scope of delivery.

Order accessories separately.

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

BVS UR-3-005-E Order code: BVS001L







