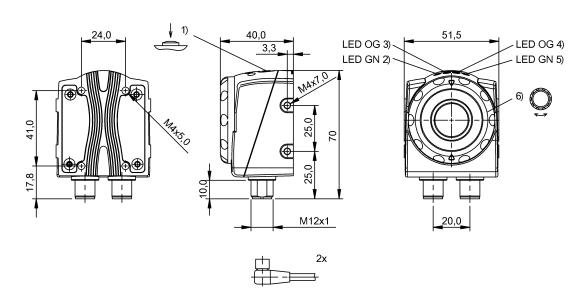
BALLUFF



1) Teach-in reference image 2) Operating voltage 3) Output 1 active 4) Output 2 active 5) Connection with PC 6) Focus





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DIS	bla۱	//Up	eration

Adjuster Adjusting ring Key

Setting Teach-in reference image

Image sharpness

Electrical connection

Connection 1 M12x1-Male, 8-pole, A-coded Connection 2 M12x1-Male, 4-pole, D-coded

Contact, surface protection Gold plated

Short-circuit protection yes

Electrical data

Line-induced noise 3 A 127 a MTTF (40 °C) 200 mA No-load current lo max. at Ue 22...26 VDC Operating voltage Ub Polarity reversal protected yes Rated operating current le DC 100 mA Rated operating voltage Ue DC 24 V Ready delay tv max. 10 ms 10 % Ripple max. (% of Ue) Voltage drop Ud max. at le 1.8 V

Environmental conditions

Ambient temperature -10...55 °C

EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms, 3x6

Half-sinus, 100 gn, 2ms, 3x8000

EN 60068-2-6, Vibration

55 Hz, amplitude 1 mm, 3x30

10...2000 Hz, amplitude 1 mm,

30 gn, 3x5 h IP54

Protection type IEC 60529

Functional Characteristics

Detection rate typ. 3...50 Hz Features per inspection, number max. 255 Inspections, number max. 20

General data

cULus Approval/Conformity Style Square Connection 90°

Material

Housing material Aluminum, Die casting ABS Housing material, surface protection painted PMMA Material sensing surface painted Surface protection

Mechanical data

Dimension 51.5 x 70 x 40 mm Fastening detail Screw M4

Optical data

Field of view max. 320 x 240 mm Field of view min. 16 x 12 mm

+86 (0) 21-50 644131

Machine Vision

BVS OI-3-093-E

Ordercode: BVS000H



50...1000 mm

Focal length Image resolution

LED group per IEC 62471

Light type

Sensor type Vision

Special optical feature

Wave length

12.0 mm

VGA 640 x 480 pixels

Exempt Group LED Red light

Program select

CMOS image sensor black-

Incident light, can be disabled

Pulse 1...1000 ms or infinite

Ethernet 10/100 Base T

Trigger output PNP

630 nm

Trigger

Remarks

Range/Distance

Operating Distance

Do not press key using a pointed tool.

Detection rate is dependent on the evaluation function.

Do not use sensor where object is exposed to strong ambient light. Use of external illumination recommended for working distances greater than

300 mm

Only for applications per NFPA 79 (machines with a supply voltage of maximum 600 V). Appropriate connectors can be obtained from Balluff. Interface plug, if n.c. protect against ingress of dust, dirt and liquids. Cover cap

included. For additional information, refer to users guide.

Order accessories separately

For further information on MTTF/B10d, please refer to the MTTF / B10d Certifi-

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

Output/Interface

Duration of time function

Input function

Interface

Supplementary output Switching output

Time function

3x PNP Normally open (NO) On/off delay Single pulse

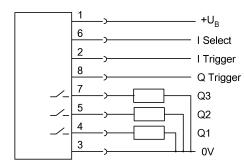
Connector view





Wiring Diagram





Conn. "To PC"

