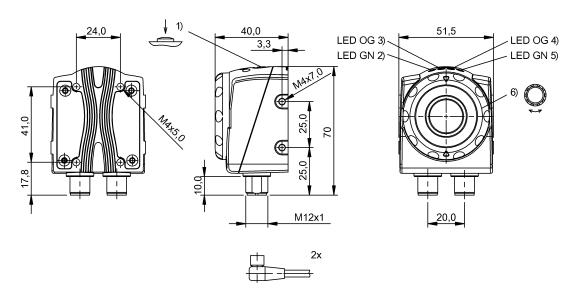
BALLUFF



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



Basic features

Application

Multi-Code-Reading
Verifying character strings

Approval/Conformity

CE
cULus
EAC
WEEE

Style

Square
Connection 90°

Display/Operation

Adjuster
Adjusting ring
button

Setting
Image sharpness
Teach-in reference image

Electrical connection

Connection 1

Connection 2 M12x1-Male, 4-pin, D-coded
Contact, surface protection Gold plated
Polarity reversal protected yes
Short-circuit protection yes

M12x1-Male, 8-pin, A-coded

Electrical data

Input function Trigger No-load current lo max. at Ue 200 mA Operating voltage Ub 22...26 VDC Rated operating current le 100 mA Rated operating voltage Ue DC 24 V Ready delay tv max. 10 ms 10 % Ripple max. (% of Ue) 1.8 V Voltage drop Ud max. at le

Environmental conditions

Ambient temperature -10...55 °C
EN 60068-2-27, Shock Half-sinus, 100 gn, 2 ms, 3x8000
Half-sinus, 30 gn, 11 ms, 3x6
EN 60068-2-6, Vibration 10...2000 Hz, amplitude 1 mm, 30 gn, 3x5 h 55 Hz, amplitude 1 mm, 3x30 min
IP rating IP54

Optical Identification

BVS ID-3-007-E Order Code: BVS000Y



Functional Characteristics

2D codes Data Matrix ECC 200

QR code

Mini QR Barcodes Interleaved 2-of-5, Code 39, Code

128, Pharmacode, Codabar, EAN

8, EAN 13, UPC-E, UPC-A

Features per inspection, number

20 Inspections, number max. Stacked codes PDF417

Functional safety

MTTF (40 °C) 127 a

Material

Housing material Aluminum, Die casting, Painted

ABS

Material sensing surface PMMA Surface protection Painted

Mechanical data

Dimension 51.5 x 70 x 40 mm

Mounting part Screw M4 **Optical features**

Field of view max. Field of view min.

Frame rate

Image resolution

Focal length

LED group per IEC 62471

Light type

Sensor type Vision

Special optical feature

Wave length

240 x 180 mm 43 x 32 mm 16.0 mm 3...15 Hz

> 640 x 480 pixels **Exempt Group**

LED, red light

CMOS image sensor black-white

Incident light, can be disabled

630 nm

Output/Interface

Duration of time function

Interface

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

Impulse 1...1000 ms or infinite

Supplementary output

Switching output Time function

Trigger output PNP 3x PNP normally open (NO)

On/off delay

Single pulse

Range/Distance

Operating Distance 150...1000 mm

Remarks

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.

Interface plug, if n.c. protect against ingress of dust, dirt and liquids. Cover cap included.

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

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

Do not use sensor where object is exposed to strong ambient light.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Subject to change without notice: 212296

Connector Drawings





BVS ID-3-007-E

Order Code: BVS000Y



