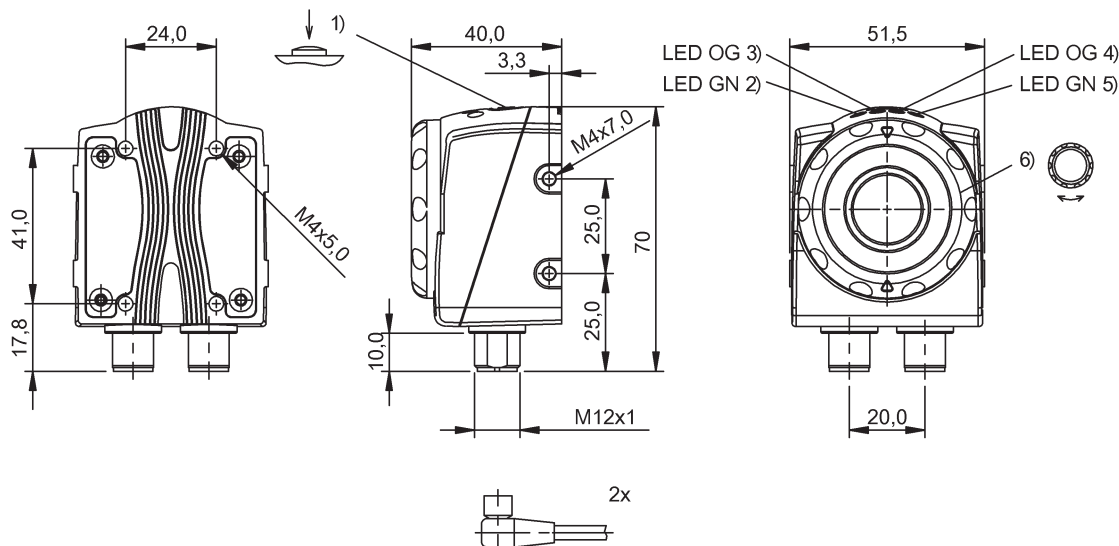




1) Teach reference image 2) Power 3) Output 1 active 4) Output 2 active 5) Connection with PC 6) Sharpness

- BVS-E Identification
- Series ID
- Focal distance 8.0 mm
- LED, red light



General attributes

Adjuster	Key (1x)
Approvals / Conformity	Adjusting ring (1x)
Basic standard	cULus
Duration of time function	CE
Enclosure Type per IEC 60529	IEC 60947-5-2
Indicator	EN 62471:2008
Input function	Impulse 1...1000 ms or infinite
No. of charac. per inspec. max	Delay 0...1000 ms
Number of inspections max.	IP54
Polarity reversal protected	Connection with PC - LED GN
Series	Power - LED GN
Setting	Output 2 active - LED OG
Short circuit protected	Output 1 active - LED OG
Time function	Trigger
MTTF	255
	20
	yes
	Series ID
	Teach-in reference image
	Image sharpness
	yes
	Turn-on and -off delay
	Single pulse
	127 a

Electrical attributes

Auxiliary output	Trigger output PNP
Connection type	Connector
Eff. operating current Ie	100 mA
Eff. operating voltage Ue DC	24.0 V
Interface	Ethernet 10/100 Base T
Operating voltage UB max. DC [V]	RS232 (9.6...115.2 kBaud)
Operating voltage UB min. DC [V]	26.0 V
Ripple max. (% of Ue)	22.0 V
Switching function	10 %
Switching output	NO
Voltage drop Ud max. (at Ie)	PNP (2x)
	1.8 V

Mechanical attributes

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

Connector type

Far working distance W	M12x1-S115
Housing material	M12x1, 4 pole, D-coded
Length 1	1000 mm
Length 2	GD-AL, ABS
Length 3	51.5 mm
Mounting type	40.0 mm
Near working distance Wl	70.0 mm
Sensing face material	Screw M4
Style	50 mm
Surface protection	PMMA
Working range	Block, 90° connection
	painted
	50...1000 mm

Optical attributes

Detection rate typ.	3...15 Hz
Field of view max.	480 x 360 mm
Field of view min.	24 x 18 mm
Image resolution max.	VGA 640 x 480 Pixel
LED group acc. IEC 62471	Exempt group
Lens	Focal distance 8.0 mm
Light type	LED, red light
Optical special feature	Incid. light, can be disabled
Principle of optical operation	CMOS image sensor black-white
Wavelength	630 nm

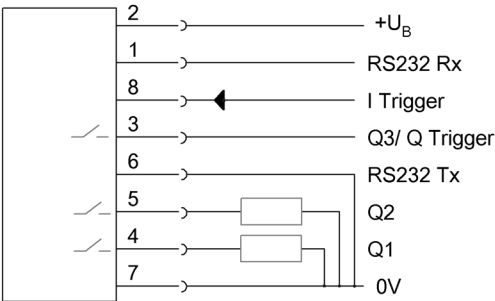
Remarks

Detection rate is dependent on the evaluation function.
 Do not press key using a pointed tool.
 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.
 For additional information, refer to user's guide.
 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.
 Do not use sensor where object is exposed to strong ambient light.

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.

Conn. "PWR IO"



Conn. "To PC"

