

### Basic features

Approval/Conformity	CE WEEE
Scope of delivery	Laser 2x nut M18x1
Use	for Vision sensor BVS
Version	Laser Module

### Display/Operation

Adjuster	Focus ring
Setting	Focusing distance

### Electrical connection

Connection	M12x1-Male, 5-pin, A-coded
Polarity reversal protected	yes

### Electrical data

Current draw max.	400 mA
Focusing range	100 mm ... 10000 mm
Operating voltage Ub	5...30 VDC
Output capacity max.	30 mW
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Working frequency	Digital: up to 400 kHz

### Remarks

Order accessories separately.  
 For additional information, refer to user's guide.  
 Install the device so that no direct view of the light source is possible even during operation.  
 Reverse polarity and transient protection / ESD, overheating protection and LED fault indicator

### Environmental conditions

Ambient temperature	-10...50 °C
IP rating	IP67

### Interface

Digital inputs	Trigger
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### Material

Housing material	Stainless steel Glass, Nickel-plated brass nuts
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### Mechanical data

Dimension	Ø 20 x 116 mm
Mounting part	Nut M18x1

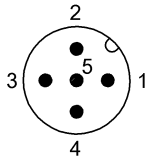
### Optical features

Laser class per IEC 60825-1	2M
Light type	Laser red light
Projection type	Line, homogeneous
Wave length	640 nm

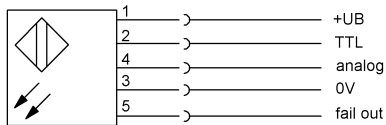
### Range/Distance

Opening angle min.	45°
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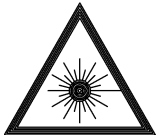
## Connector Drawings



## Wiring Diagrams



## Warning Symbols



Laser beam! – DO NOT STARE INTO THE LIGHT BEAM

OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS!

Laser Class 1M/2M per DIN EN 60825-1