

Basic features

Approval/Conformity	CE WEEE
Basic standard	IEC 60947-5-2
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, 4-pin, A-coded
Polarity reversal protected	yes

Electrical data

Current draw max.	110 mA
Focusing range	100 mm ... ∞
Operating voltage Ub	5...30 VDC
Output capacity max.	25 mW
Rated insulation voltage Ui	75 V DC
Rated operating voltage Ue DC	24 V
Working frequency	Digital: up to 500 kHz

Environmental conditions

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

Interface

Digital inputs	Trigger
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Material

Housing material	Brass, nickel plated Glass
Optical head material	Aluminum, Anodized
Surface protection	nickel-plated

Mechanical data

Dimension	∅ 20 x 128 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

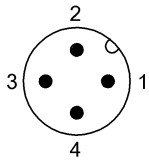
Range/Distance

Opening angle min.	45°
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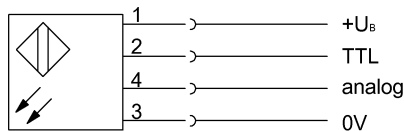
Remarks

For additional information, refer to user's guide.
 Order accessories separately.
 Reverse polarity and transient protection / ESD, overheating protection and LED fault indicator

Connector Drawings



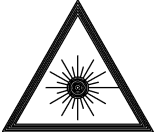
Wiring Diagrams



Help Views

Entfernung [mm]	Liniendicke $1/e^2$ [μm]
100	77
500	170
1000	320
2000	677

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