

Laser module green



Features:

- 5-30VDC operation with reverse polarity protection
- Highly visible green light with a 40mW output
- IP67 rated, fully waterproof
- Simple, external hand focusing mechanism
- Thread mounted for simple and versatile mounting
- LED laser operation indicator
- Gaussian/uniform lines optics and DOE optics available
- M12 connector guarantees an ideal electrical connection
- Electrically isolated housing

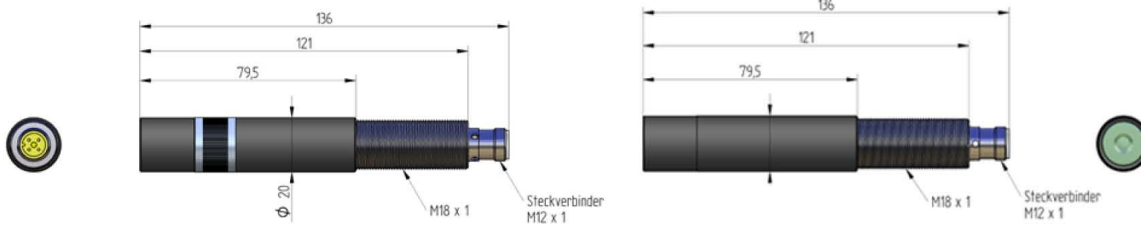
Applications:

- Positioning
- Wood processing
- Metal processing
- Textil Industry
- Stone processing
- Food Industry
- Medical science
- Automotive Industry

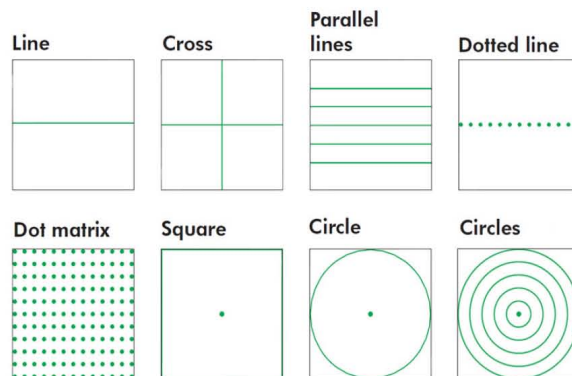
Techn. Drawing:

Focusable version

Fixed focus version



Some available Optics:



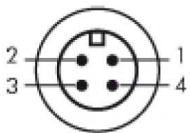
Specifications:

Optical	
Optical power stability	< +/- 5% at constant temperature
Range of focus	200mm up to ∞
Divergence of beam (FWHM)	< 1mrad (with dot optic)
Pointing stability	< 50 μ rad / °C at constant temperature

Optics	
Line (Gaussian profile)	3°, 5°, 10°, 15°, 20°, 30°, 90°, symmetrical or asymmetrical
Linie (homogeneous intensity profile)	10°, 20°, 30°, 45°, 60°, 75°, 90°
Point	Circular
DOE	see examples on front side

Standard wavelengths and power (other on request)	
532nm	1-40mW

Electrical	
Supply voltage	5-30VDC
Mode of operation	APC with current limiting or CC
Modulation	continuous wave
Protection	reverse polarity and transient / ESD
Connection	M12 plug, 4-pin



1: voltage supply +
2: -
3: voltage supply -
4: -



Product emits laser radiation in laser classes: 1, 1M, 2, 2M, 3R, 3B

Mechanical	
Dimensions	136mm x \varnothing 20mm (focusable version)
Housing	Laser: M18 industry housing, chromed brass Optic head: anodised aluminium
Protection category	IP 67
Weight	ca. 105g (focusable version)
Electrical isolation	potential-free housing

Environmental conditions	
Case temperature	0°C up to +45°C (heat dissipation e.g. with mounting H8-M18)
Storage temperature	-20°C up to +60°C
Humidity	Max. 90%, non condensing
MTTF at 25°C	> 5.000h