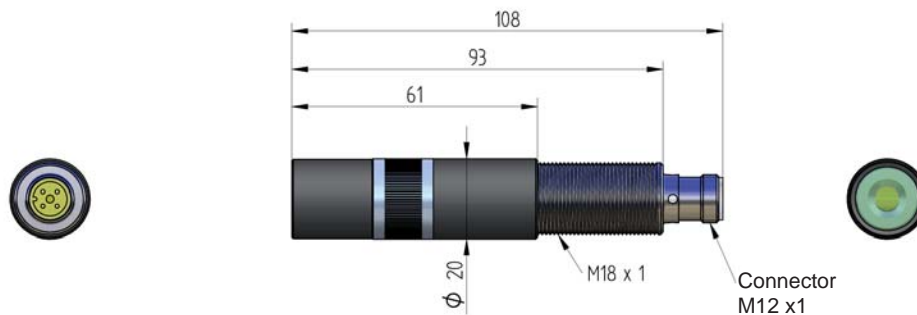


ZM18-B

Industry / Craft

Z-LASER

Brand new product for a variety of applications

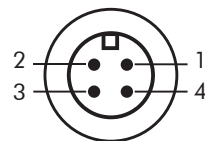


Features

- 5-30VDC operation
- Power up to 200mW
- Red, infrared laser wavelengths available
- Gaussian/uniform line optics and various DOE available
- Simple, external hand focusing mechanism
- IP67 rated, fully waterproof
- Thread mounted for simple and versatile mounting
- LED laser operation indicator
- Over voltage protection with surge/spike protection
- Reverse polarity protection

Applications

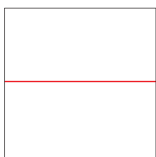
- Positioning
- Wood processing
- Metal processing
- Textile industry
- Stone processing
- Food industry
- Medical science
- Automotive industry



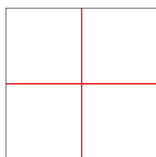
1: voltage supply +
2: -
3: voltage supply -
4: -

Some available Optics

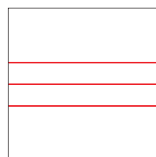
Line



Cross



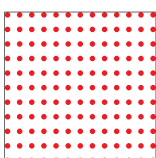
Parallel lines



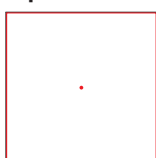
Dotted line



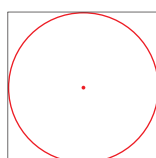
Dot matrix



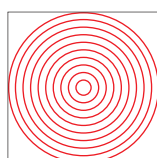
Square



Circle



10 Circles



Mounting and power supply

H8-M18



WNG-9E-24M



Specifications

Optical

Optical power stability	3% over operating temperature range
Wavelength vs. temperature	Typ. 0,20 - 0,30nm / °C depending on wavelength
Range of focus	100mm up to ∞
Divergence of beam (FWHM)	< 1mrad (with dot optic)
Pointing stability	< 15μrad / °C

Optics

Line (Gaussian profile)	60°, 90°, symmetrical or asymmetrical
Line (Non Gaussian profile)	10°, 20°, 30°, 45°, 60°,90°
Point	elliptical or circular
DOE	see examples on front side

Standard wavelengths and power (other on request)

635nm, 640nm, 643nm, 808nm, 980nm	up to 200mW depending on wavelengths
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Electrical

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

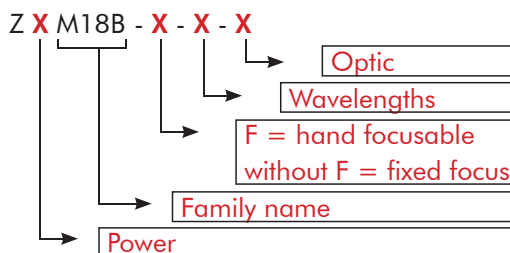
Mechanical

Dimensions	108mm x Ø 20mm
Housing	Laser: M18 industry housing, chromed brass Optic head: anodised aluminium
Protection category	IP 67
Weight	ca. 70g
Electrical isolation	potential-free housing

Environmental conditions

Case temperature	-10°C up to +50°C (heat dissipation e.g. with mounting H8-M18)
Storage temperature	-10°C up to +80°C
Humidity	Max. 90%, non condensing
MTTF at 25°C	> 30.000h (635-643nm), > 100.000h (808-980nm)

Order code:



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