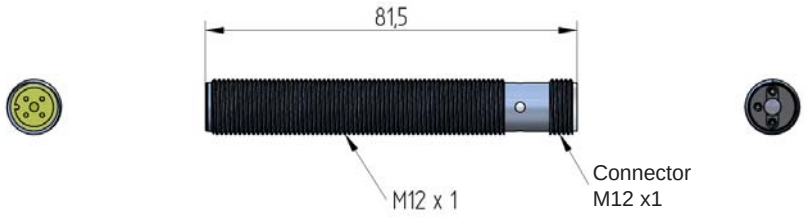
ZM-12-B2

Industry / Craft

Brand new product for a variety of applications



Features

- 5-30VDC operation with reverse polarity protection
- Powers up to 100mW, available in 635nm-808nm
- Red and infrared laser in a compact housing
- Simple, external tool focusing mechanism
- Quick installation by M12 thread for Sensor mounting or Z-LASER standard mounting H8-M12
- Wide range of diodes and optics
- Potential-free housing for trouble-free installation

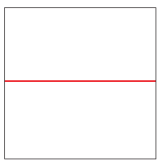
Applications

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

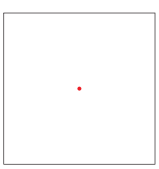
1: voltage supply +
2: -
3: voltage supply -
4: -

Optics

Line



Dot



Mounting and power supply

H8-M12

WNG-9E-24

Specifications

Optical

Optical stability	0,15% / °C
Wavelength vs. temperature	Typ. 0,25nm / °C
Range of focus	100mm up to ∞
Divergence of beam	≤ 1mrad (with dot optic)
Pointing stability	< 15µrad / °C

Optics

Line (Gaussian profile)	60°, 90°, symmetrical or asymmetrical
Point	elliptical or circular

Standard wavelengths and power (other on request)

635mn, 640nm, 643nm, 808nm,	up to 100mW depending on wavelengths

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

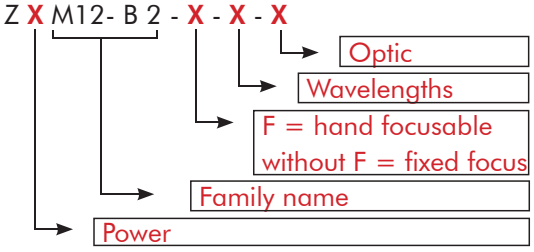
Mechanical

Dimensions	81.5mm x Ø 12mm
Housing	Laser: M12 industry housing, chromed brass
Protection category	IP 54
Weight	ca. 40g
Electrical isolation	potential free housing

Environmental conditions

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

Order code:



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