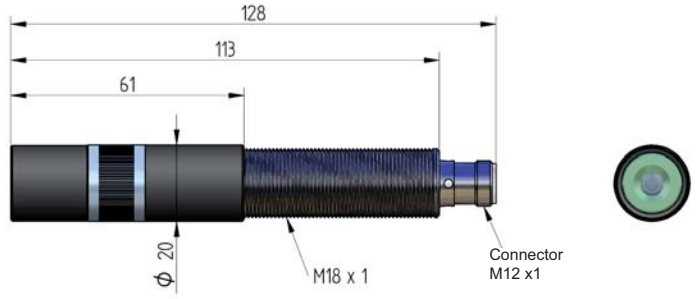
Z10M18S-F-635-pe

New product for high-end applications, positioning, science, vision, analysis, automotive industry, textile industry, measurement & more



Features

- **Analogue intensity control (up to 32 steps) with digital TTL Trigger up to 1 KHz**
- **Simple, external hand focusing mechanism**
- **Thread mounted for simple and versatile mounting**
- **LED laser operation and pre-failure indicator**
- **Over voltage protection with surge/spike protection**

Main characteristics

Wavelength / Optic	635nm / Elliptical point
Power / Laser class	10mW / Laser class 3B (EN 60825-1:200)

Optical specifications

Optical power stability	3% over operating temperature range
Wavelength vs. temperature	Typ. 0,25nm / °C
Range of focus	100mm up to ∞
Divergence of beam (FWHM)	< 1mrad (with dot optic)
Pointing stability	< 15µrad / °C

Electrical specifications

Supply voltage	5-30VDC
Modulation	APC: Analogue intensity control (up to 32 steps) and digital TTL Trigger up to 1 kHz
Protection	reverse polarity and transient/ESD, over temperature protection and LED pre-failure indicator
Connection	M12 plug, 4-pin

Mechanical specifications

Dimensions	128mm x Ø 20mm (focusable version)
Housing	Laser: M18 industry housing, chromed brass Optic head: anodised aluminium
Protection category	IP 67, fully waterproof
Weight	ca. 87g
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 (635nm)

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- X → Optic
- X → Wavelengths
- X → F = hand focusable without F = fixed focus
- M18S → Family name
- Z → Power

WARNING!
Laser Light - Avoid Direct Eye Exposure

Configuration scheme

1: Voltage supply +
2: TTL mod.
3: Voltage supply -
4: Ana mod.

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