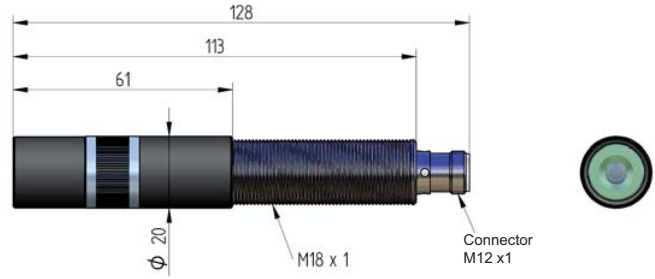


# Z5M18S-F-635-Ig20

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 / Line, Gaussian light distribution, 20 fan angle
Power / Laser class	5mW / Laser class 2M (EN 60825-1:2007)

## Optical specifications

Optical power stability	3% over operating temperature range
Wavelength vs. temperature	Typ. 0,25nm / °C
Range of focus	100mm up to ∞
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

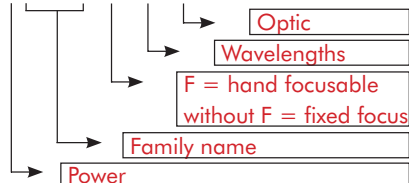
## Mechanical specifications

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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**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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