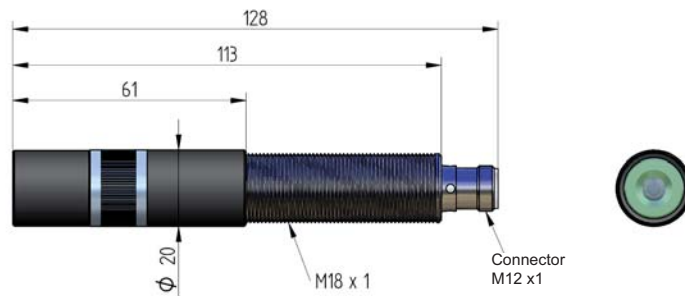


Z100M18S-F-660-lp45

Z-LASER

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 | 660nm / Line, homogeneous light distribution, 45° fan angle |
| Power / Laser class | 100mW / Laser class 3B (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 |

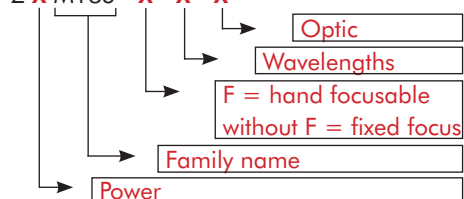
Mechanical specifications

| | |
|----------------------|--|
| 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 | > 50.000h (660nm) |

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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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