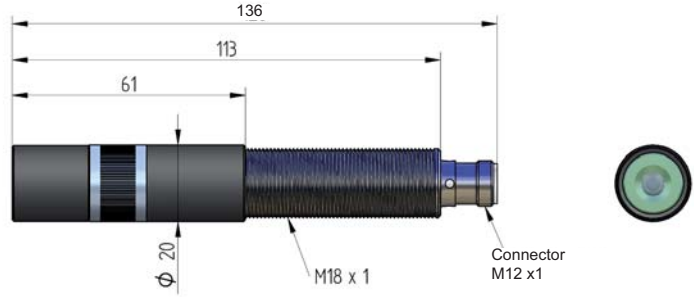


Z100M18H-F-660-pe

New product for high-end applications, science, vision, analysis, measurement, medical science, bio photonics, alignment & more



Features

- Built-in micro controller and serial interface
- Analogue and concurrent TTL modulation up to 20MHz
- Logging of operating parameters like temperature, operation hours, ...
- Simple, external hand focusing mechanism
- Thread mounted for simple and versatile mounting
- LED signal indicates laser operation and any malfunction
- Over voltage protection with surge/spike protection

Main characteristics

| | |
|---------------------|--|
| Wavelength / Optic | 660nm / Elliptical point |
| Power / Laser class | 100mW / Laser class 3B (EN 60825-1:2007) |

Optical specifications

| | |
|----------------------------|---------------------------|
| Optical power stability | Diode depending |
| Wavelength vs. temperature | Typ. 0,20nm / °C |
| Range of focus | 100mm up to ∞ |
| Divergence of beam (FWHM) | < 1 mrad (with dot optic) |
| Pointing stability | < 15µrad / °C |

Electrical specifications

| | |
|----------------|---|
| Supply voltage | 5-30VDC |
| Modulation | ACC: up to 20 MHz (diode depending) |
| Protection | reverse polarity and transient/ESD, over temperature protection and LED pre-failure indicator |
| Connection | M12 plug, 4-pin |

Mechanical specifications

| | |
|----------------------|--|
| Dimensions | 138mm 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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