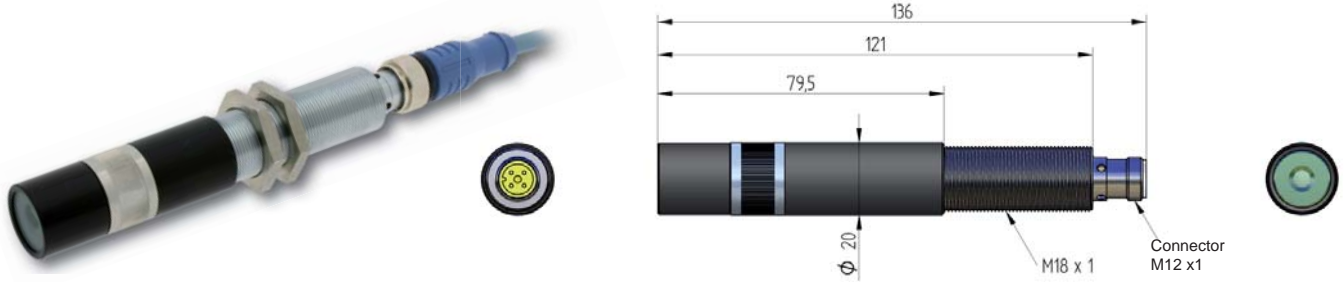


Z1M18B-F-532-pe

New product for various applications, positioning, automotive industry, wood industry, textile industry, medical science & more



Features

- Highly visible green light
- Simple, external hand focusing mechanism
- LED laser operation indicator
- Thread mounted for simple and versatile mounting

Main characteristics

| | |
|---------------------|--|
| Wavelength / Optic | 532nm / Elliptical point |
| Power / Laser class | 1mW / Laser class 2 (EN 60825-1:10-2003) |

Optical specifications

| | |
|---------------------------|---|
| Optical power stability | < +/- 5% at constant temperature |
| Range of focus | 100mm up to ∞ |
| Divergence of beam (FWHM) | < 1mrad (with dot optic) |
| Pointing stability | < 50 μ rad / °C at constant temperature |

Electrical specifications

| | |
|----------------|------------------------------------|
| Supply voltage | 5-30VDC |
| Modulation | continuous wave |
| Protection | reverse polarity and transient/ESD |
| Connection | M12 plug, 4-pin |

Mechanical specifications

| | |
|----------------------|--|
| Dimensions | 136mm x \varnothing 20mm (focusable) |
| 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 | 0°C up to +40°C (heat dissipation e.g. with mounting H8-M18) |
| Storage temperature | -20°C up to +60°C |
| Humidity | Max. 90%, non condensing |
| MTTF at 25°C | > 5.000h |

