



Photoelectric Laser Sensors BOS 18M

Laser technology for high-precision detection

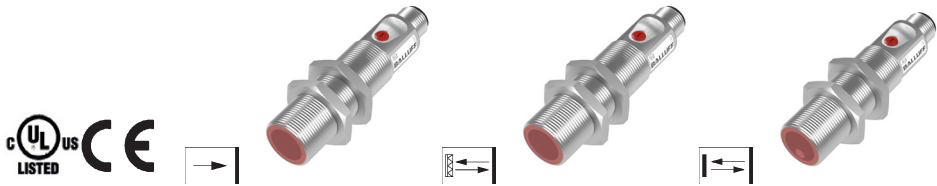
- Highly visible laser spot, Laser Class 1
- Rugged M18 metal housing
- Precise switching response over the entire range
- Ideal for detection of small objects and high-precision position checking
- Potentiometer for simple, fast setting



The new BOS 18M Laser series features long ranges yet outstanding precision. Laser Class 1 means no special protection measures are required.

The sensors are available in all sensing modes: diffuse, retro-reflective or through-beam. The fine light beam is highly visible even over long distances and is simple to align. The rugged metal housing enables use in harsh industrial environments.





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|--------------------------|-------------------|-----------------------------|-----------------------------|-----------------------------|
| Product group | | Photoelectric sensor | Photoelectric sensor | Photoelectric sensor |
| Operating range Ro | | 0...60 m | 0...16 m | 0...250 mm |
| Emitter | Order code | BOS01NH | | |
| | Part number | BOS 18M-XT-LS20-S4 | | |
| Light scanner, energetic | Order code | | | BOS01NF |
| | Part number | | | BOS 18M-PA-LD20-S4 |
| Receiver | Order code | BOS01NJ | | |
| | Part number | BOS 18M-PA-LE20-S4 | | |
| Retro-reflective sensor | Order code | | BOS01NE | |
| | Part number | | BOS 18M-PA-LR20-S4 | |
| Light type | | Laser red light | Laser red light | Laser red light |
| Switching function | | NO-NC (pins 4-2) | NO-NC (pins 4-2) | NO-NC (pins 4-2) |
| Ambient temperature | | -5...55 °C | -5...55 °C | -5...55 °C |
| Light spot size, typical | | Ø40 mm at 60 m | Ø10 mm at 16 m | Ø2 mm at 250 mm |
| Housing material | | Brass | Brass | Brass |
| Sensing face material | | Glass | Glass | Glass |
| Surface protection | | Nickel-plated | Nickel-plated | Nickel-plated |
| Connection | | Connector, M12x1-S04 | Connector, M12x1-S04 | Connector, M12x1-S04 |

Find additional products at: www.balluff.com.

Accessories



| | | | | |
|-------------------|----------------|---------------------------|----------------|----------------|
| Description | Mounting clamp | Mounting bracket, general | Reflector BOS | Reflector BOS |
| Order code | BAM00F2 | BAM00EY | BAM00UY | BAM01HC |
| Part number | BES 18,0-BS-1 | BES 18-HW-1 | BOS R-22 | BOS R-43 |

Connectors



| | | | | |
|-------------------|---------------------------------|---------------------------------|--|--|
| Description | Connector/cable | Connector/cable | | |
| Order code | BCC032F | BCC032Y | | |
| Part number | BCC M415-0000-1A-003-PX0434-020 | BCC M425-0000-1A-003-PX0434-020 | | |

Services



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