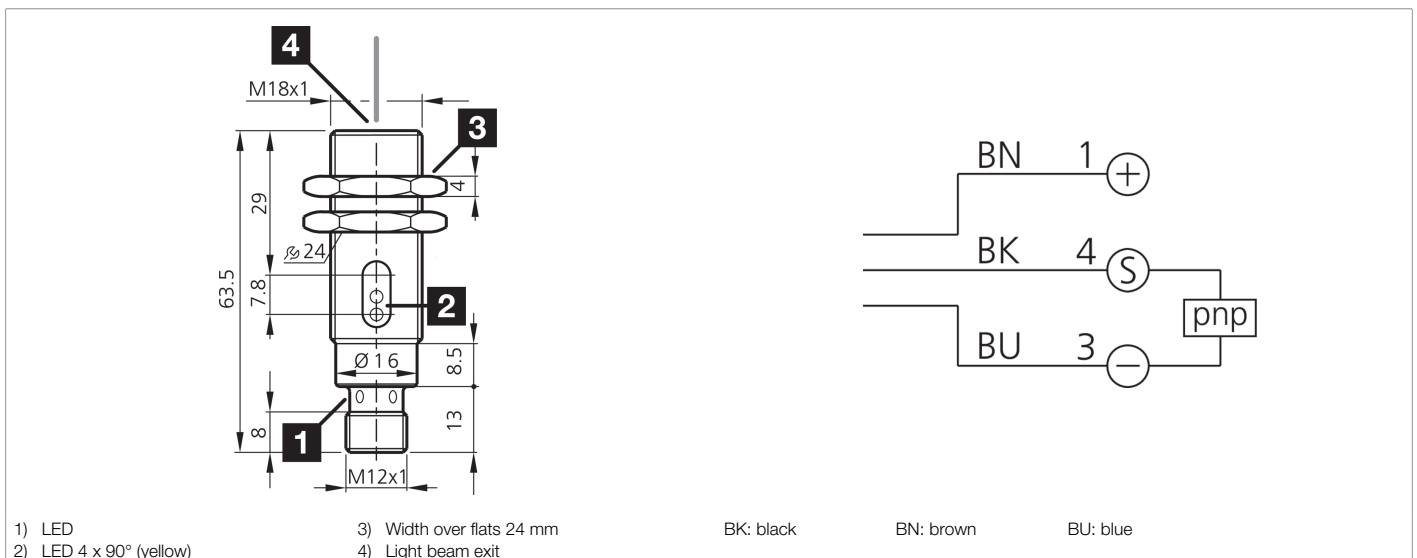


201418

OHT 18 M 120 P1K-IBSL

Retroreflective diffuse sensors with background suppression

- Compact design
- Red light
- Sensitivity is adjustable
- High resolution, switching frequency, functional reserve
- LED indication of switching state and functional reserve
- Long range



| Function | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |

| Technical data (typ.) | +20°C, 24 V DC |
|------------------------------|--|
| Service voltage | 10 ... 36 V DC |
| No-load current (max.) | 25 mA |
| Insulation voltage endurance | 1000 V |
| Thread | M18 x 1 |
| Housing length | 63.5 mm |
| Housing material | Brass (CuZn, nickel-plated) |
| Material | Glass (Window) |
| Protection class | III, operation on protective low voltage |
| Operating principle | Diffuse sensor with background suppression |
| Evaluation | digital |
| Design | Thread |
| Switching output | pnp, 200 mA, NO |
| Voltage drop (max.) | 2 V |
| Light source | LED |
| Color | red |
| Wavelength | 660 nm |
| Modulation | Clocked |
| Background suppression | Yes |
| Ambient light immunity | 10 kLx |

 **201418****OHT 18 M 120 P1K-IBSL****Retroreflective diffuse sensors with background suppression**

| Technical data (typ.) | +20°C, 24 V DC |
|---------------------------------------|--|
| Scanning range | 10 ... 120 mm |
| Standardized measuring plate | 100 x 100 mm (white) |
| Switching hysteresis (max.) | 10 % |
| Sensitivity adjustment | Potentiometer |
| Switching frequency | 500 Hz |
| Response time | 1.0 ms |
| Release time | 1.0 ms |
| Ambient temperature during operation | -25 ... +55 °C |
| Temperature drift | 0.3 %/K |
| Protection type | IP 67 |
| Connection | Connector, M12, 4-pin |
| More information / accessories | https://www.di-soric.com/201418 |