

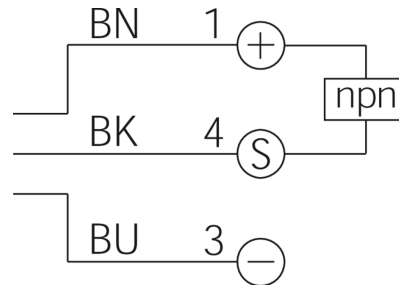
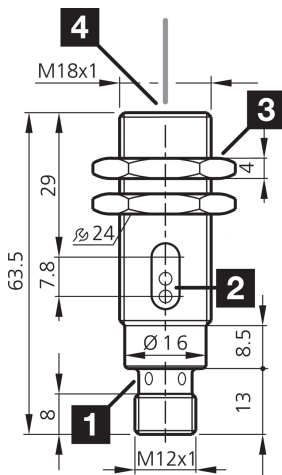


201417

OHT 18 M 120 N1K-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



- 1) LED
2) LED 4 x 90° (yellow)

- 3) Width over flats 24 mm
4) Light beam exit

BK: black

BN: brown

BU: blue

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	npn, 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



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OHT 18 M 120 N1K-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/201417