



di-soric OT 18 FMR 320 N3 Diffuse Sensor Owner's Manual

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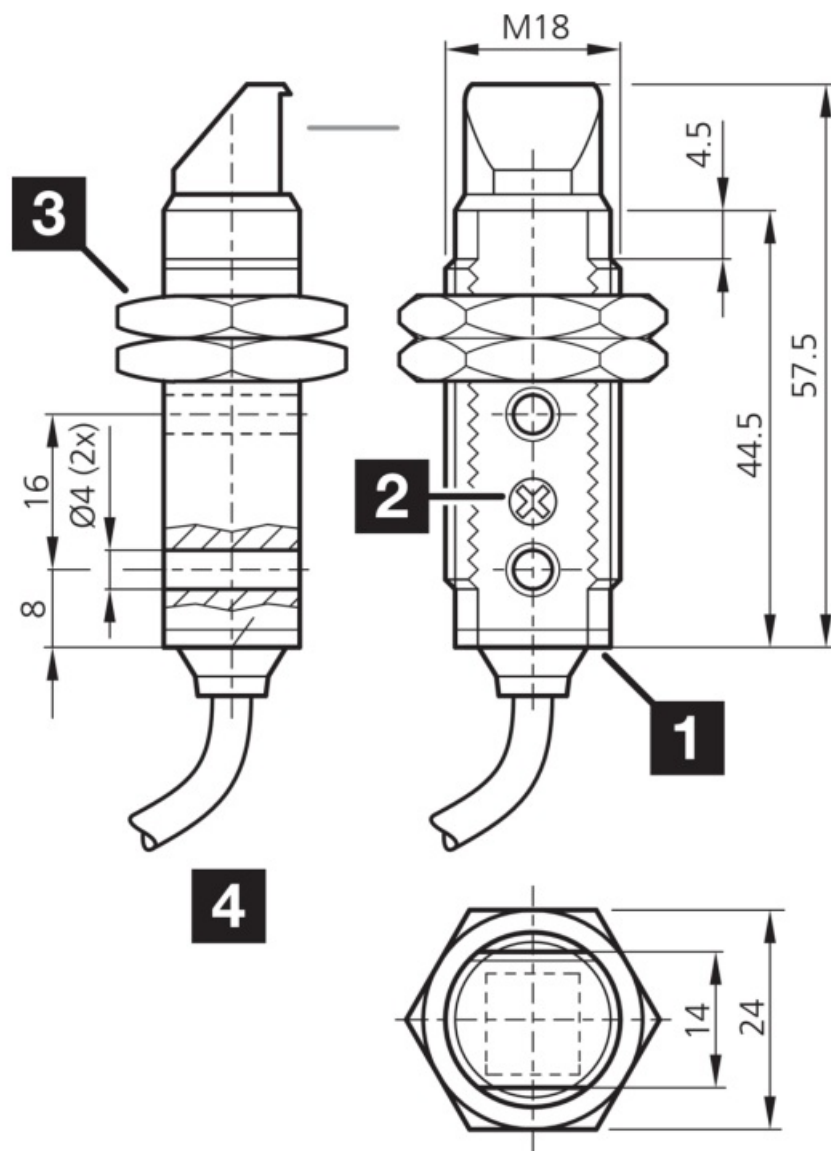
di-soric OT 18 FMR 320 N3 Diffuse Sensor



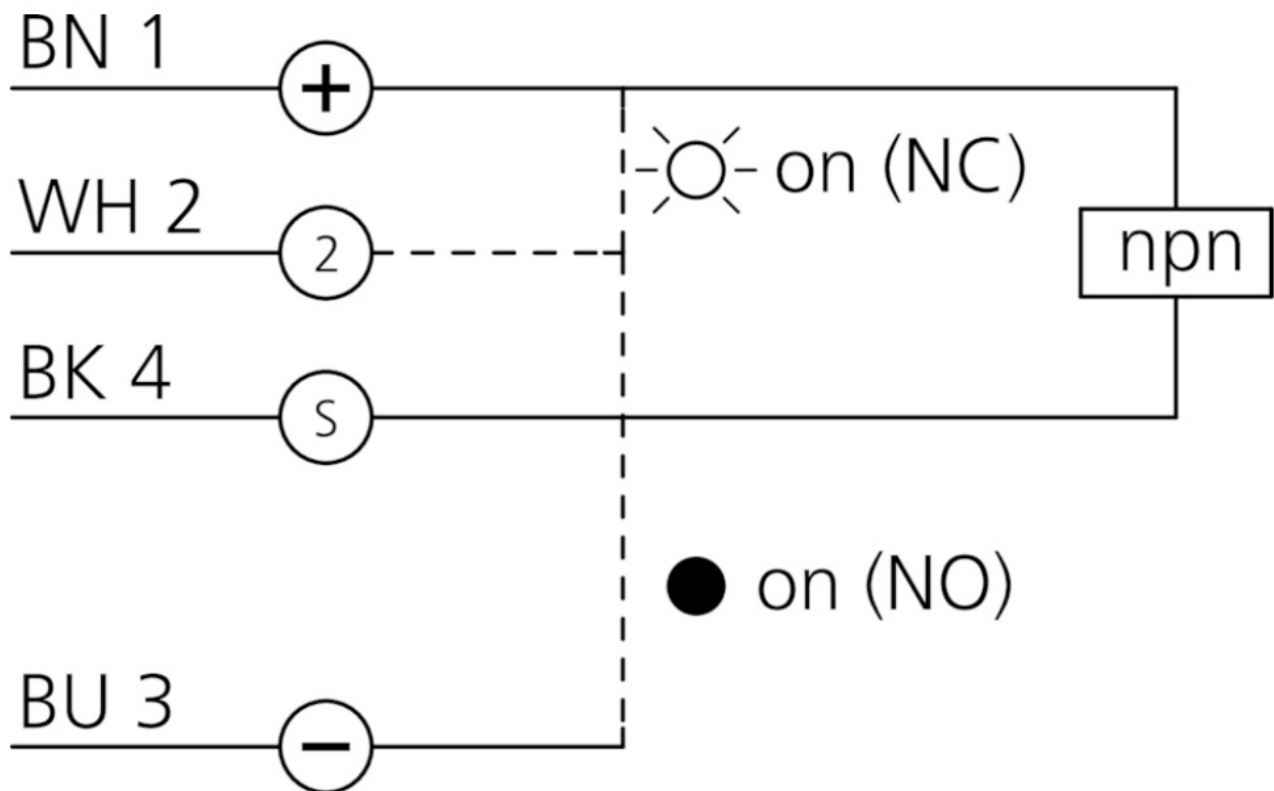
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Dimension



1. LED
2. Potentiometer
3. Width over flats 24 mm
4. Connection cable



- **BK:** black
- **BN:** brown
- **BU:** blue
- **WH:** white

Function



Technical data

Technical data (typ.)	+20°C, 24 V DC
Service voltage	10 ... 30 V DC
No-load current (max.)	30 mA

Thread	M18 x 1
Housing material	Metal
Material	• PMMA (Window) • PVC (Cable)
Protection class	III, operation on protective low voltage
Operating principle	Diffuse sensor

Evaluation	Digital
Design	Thread
Switching output	npn, 100 mA, NO/NC
Light source	LED
Color	Infrared
Wavelength	880 nm
Modulation	Clocked
Ambient light immunity	3 kLx Clocked light, 10 kLx Sunlight
Scanning range	320 mm
Standardized measuring plate	200 x 200 mm
Sensitivity adjustment	Potentiometer
Switching frequency	1.000 Hz
Response time	0,50 ms
Release time	0,50 ms
Ambient temperature during operation	-25 ... +55 °C
Protection type	IP 67
Connection	Cable, 2,0 m

207931 OT 18 FMR 320 N3

Diffuse sensor



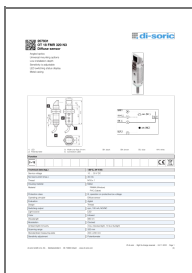
- Angled optics
- Universal mounting options
- Low installation depth
- Sensitivity is adjustable
- LED switching status display
- Metal casing

Customers Support

di-soric GmbH & Co. KG . Steinbeisstraße 6
DE-73660 Urbach
www.di-soric.com



Documents / Resources



[di-soric OT 18 FMR 320 N3 Diffuse Sensor](#) [pdf] Owner's Manual
207931, OT 18 FMR 320 N3 Diffuse Sensor, OT 18 FMR 320 N3, Diffuse Sensor, Sensor

References

-  [di-soric – Solutions. Clever. Practical.](#)

-  [O-M18 Standard](#)

Manuals+.