

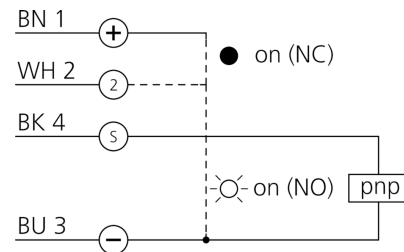
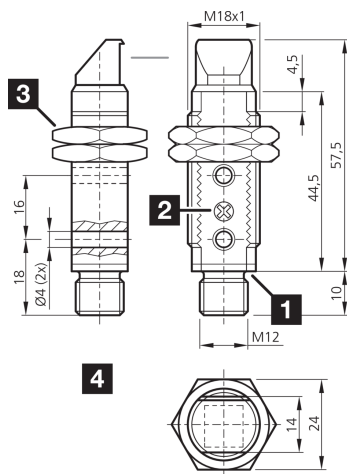


207966

OT 18 FMR 320 P3-B4

Retroreflective diffuse sensor

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



- 1) Potentiometer
2) LED

- 3) Width over flats 24 mm
4) Lateral light emission

BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 30 V DC
No-load current (max.)	30 mA

Mechanical features

Thread	M18 x 1
Housing length	67.5 mm
Housing material	Metal
Material	PMMA (Window)

Certifications, approvals

Protection class	III, operation on protective low voltage
------------------	--

General features

Operating principle	Retroreflective diffuse sensor
Evaluation	digital
Design	Thread, Angled optics

Output, input, interface

Switching output	pnp, 100 mA, NO/NC
------------------	--------------------



207966
OT 18 FMR 320 P3-B4
Retroreflective diffuse sensor

Technical data (typ.)		+20°C, 24 V DC
Optical data		
Light source	LED	
Color	Infrared	
Wavelength	880 nm	
Modulation	Clocked	
Ambient light immunity	3 kLx Clocked light, 10 kLx Sunlight	
Detection range, measuring range, tolerance limits		
Range	320 mm	
Standardized measuring plate	200 x 200 mm	
Display, operation		
Sensitivity adjustment	Potentiometer	
Time behavior		
Switching frequency	1000 Hz	
Response time	0.50 ms	
Release time	0.50 ms	
Ambient conditions		
Ambient temperature during operation	-25 ... +55 °C	
Protection type	IP 67	
Electrical connection		
Connection	Connector, M12, 4-pin	
More information / accessories		https://www.di-soric.com/207966