

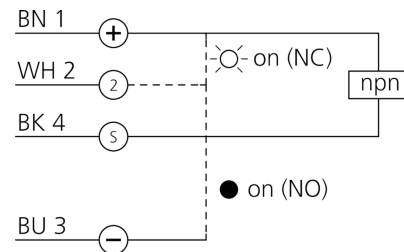
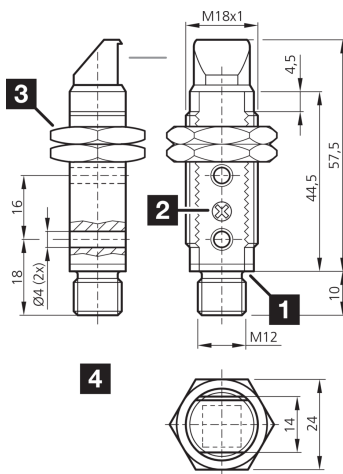


207971

OR 18-1 FMR 3600 N3-B4

Retroreflective 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
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General features

Operating principle	Retroreflective sensor
Evaluation	digital
Design	Thread, Angled optics

Functional scope

Scope of delivery	Sensor, Reflector R55
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OR 18-1 FMR 3600 N3-B4

Retroreflective sensor

Technical data (typ.)

+20°C, 24 V DC

Output, input, interface

Switching output	npn, 100 mA, NO/NC
Voltage drop (max.)	2 V

Optical data

Light source	LED
Color	Red
Wavelength	660 nm
Modulation	Clocked
Ambient light immunity	3 kLx Clocked light, 10 kLx Sunlight

Detection range, measuring range, tolerance limits

Range	4000 mm
Range during operation with	■ 1800 mm (R55) ■ 3600 mm (R 84) ■ 4000 mm (R 100x100)
Referring reflector	100 x 100 mm, R 100 x 100

Display, operation

Sensitivity adjustment	Potentiometer
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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
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More information / accessories

<https://www.di-soric.com/207971>