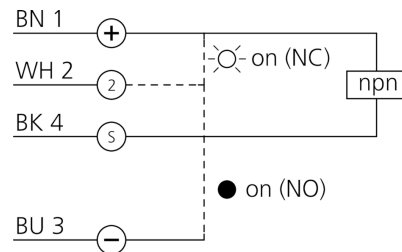
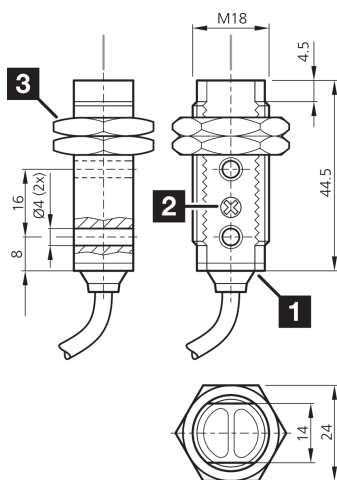




**207953**  
**OR 18-1 FM 5700 N3**  
**Retroreflective sensor**

- 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

BK: black

BN: brown

BU: blue

WH: white

**Function**



**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 length         | 44.5 mm                                  |
| Housing material       | Metal                                    |
| Material of cable      | PVC                                      |
| Material               | PMMA (Window)                            |
| Protection class       | III, operation on protective low voltage |
| Operating principle    | Retroreflective sensor                   |
| Evaluation             | digital                                  |
| Design                 | Thread                                   |
| Switching output       | npn, 100 mA, NO/NC                       |
| Voltage drop (max.)    | 2 V                                      |
| Light source           | LED                                      |
| Color                  | red                                      |
| Wavelength             | 660 nm                                   |
| Modulation             | Clocked                                  |
| Ambient light immunity | 3 kLx Clocked light, 10 kLx Sunlight     |
| Range                  | 5000 mm                                  |



**207953**  
**OR 18-1 FM 5700 N3**  
**Retroreflective sensor**

| Technical data (typ.)                |  | +20°C, 24 V DC                                                                                                             |  |
|--------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|
| Range during operation with          |  | <ul style="list-style-type: none"> <li>■ 2000 mm (R55)</li> <li>■ 4500 mm (R 84)</li> <li>■ 5000 mm (R 100x100)</li> </ul> |  |
| Referring reflector                  |  | R55 (included)                                                                                                             |  |
| Sensitivity adjustment               |  | Potentiometer                                                                                                              |  |
| Switching frequency                  |  | 1000 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                                                                                                               |  |
| More information / accessories       |  | <a href="https://www.di-soric.com/207953">https://www.di-soric.com/207953</a>                                              |  |