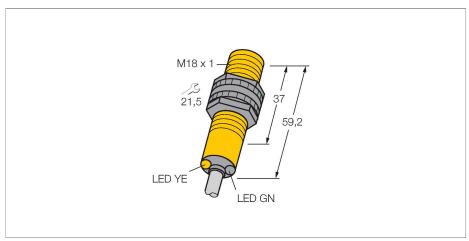
S18RW3DL Photoelectric Sensor – Diffuse Mode Sensor





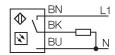
| Туре | S18RW3DL |
|------------------------------|---------------------------------|
| ID | 3034525 |
| Optical data | |
| Function | Proximity switch |
| Operating mode | Diffuse |
| Light type | IR |
| Wavelength | 880 nm |
| Range | 2300 mm |
| Electrical data | |
| Operating voltage | 20250 VAC |
| AC rated operational current | ≤ 200 mA |
| Output function | Dark operation, Relay output |
| Switching frequency | ≤ 40 Hz |
| Readiness delay | ≤ 100 ms |
| Response time typical | < 16 ms |
| Mechanical data | |
| Design | Tube, S18 |
| Dimensions | Ø 18 x 59.2 mm |
| Housing material | Plastic, Thermoplastic material |
| Lens | plastic, Acrylic |
| Electrical connection | Cable, 2 m, PVC |
| Number of cores | 3 |
| Core cross-section | 0.5 mm ² |
| Ambient temperature | -40+70 °C |
| Protection class | IP67 IP69 |
| Special features | Wash down |



Features

- Cable, 2 m
- ■Protection class IP67
- ■Ambient temperature: -40...+70 °C
- Selectable light/dark operation or light operation with alarm function

Wiring diagram

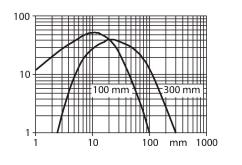


Functional principle

The emitter and receiver are incorporated in a single housing. The light reflection of the target is detected and triggers the sensor to switch. Thus the switching distance largely depends on the reflectivity of the target.

Excess gain curve

Excess gain in relation to the distance





Technical data

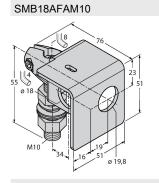
| Power-on indication | LED, Green |
|------------------------|-------------|
| Switching state | LED, Yellow |
| Excess gain indication | LED |
| Tests/approvals | |
| Approvals | CE, UL, CSA |

Accessories

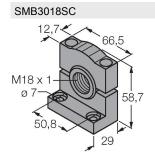
SMB18A Ø 18.5 Ø 4.6 R 24.2 Ø 4.6 A 46

Mounting bracket, rectangular, stainless steel, for sensors with 18 mm thread

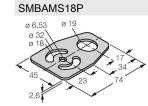
3033200



3012558 Mounting bracket, material VA 1.4401, for M10 x 1.5 thread, thread length 18 mm



3053952 Mounting bracket, PTB black, for sensors with 18 mm thread



Mounting bracket, stainless steel, for sensors with 18 mm thread

3073134