

1) Display and control panel



Basic features

| | |
|------------------------|-------------------------------|
| Approval/Conformity | CE UKCA WEEE |
| Basic standard | IEC 60947-5-2 |
| Principle of operation | Signal amplifier |
| Series | SA-OH |
| Style | Square Straight connection |

Electrical connection

| | |
|-----------------------------|----------------------|
| Cable diameter D | 3.70 mm |
| Cable length L | 2 m |
| Conductor cross-section | 0.14 mm ² |
| Connection | Cable, 2.00 m, PVC |
| Contact, surface protection | Gold plated |
| Number of conductors | 5 |
| Polarity reversal protected | yes |
| Short-circuit protection | yes |

Display/Operation

| | |
|----------|--|
| Adjuster | Slide switch 4 positions or 3 positions |
| Display | LED green: Power Digital display Switching state - LED yellow |
| Setting | Light-on/dark-on Time function on/off Delay time Teach mode Aut/Hys/Int/Pot |

Electrical data

| | |
|---------------------------------------|-------------|
| Input function | Teach Sn |
| No-load current $I_{0\max.}$ at U_e | 45 mA |
| Operating voltage U_b | 10...30 VDC |
| Rated operating current I_e | 200 mA |
| Rated operating voltage U_e DC | 24 V |
| Switching frequency | 500 Hz |
| Turn-off delay $t_{off\max.}$ | 1 ms |
| Turn-on delay $t_{on\max.}$ | 1 ms |
| Voltage drop U_d max. at I_e | 1.5 V |

Environmental conditions

| | |
|---------------------|-------------|
| Ambient temperature | -10...55 °C |
| IP rating | IP54 |

Interface

| | |
|---------------------------|---|
| Duration of time function | T = 0...250 ms |
| Switching output | NPN normally open/normally closed (NO/NC) |
| Time function | switch-off delay Turn-on delay |

Material

| | |
|------------------|-----|
| Housing material | ABS |
| Material jacket | PC |

Remarks

The sensor is functional again after the overload has been eliminated.
DIN rail included, order other accessories separately.
For additional information, refer to user's guide.

Mechanical data

| | |
|---------------|----------------------------|
| Dimension | 15 x 36 x 61 mm |
| Mounting part | DIN rail 35 mm Screw M3 |

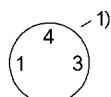
Optical features

| | |
|--------------------------------|------------------------|
| Principle of optical operation | depends on sensor head |
| Switching function, optical | Light/dark switching |

Range/Distance

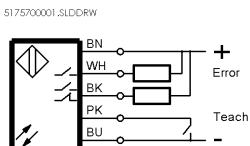
Range depends on sensor head

Connector Drawings

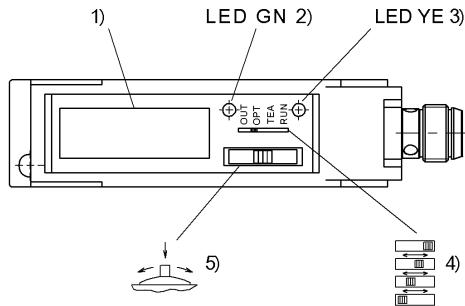


1) Sensor connection

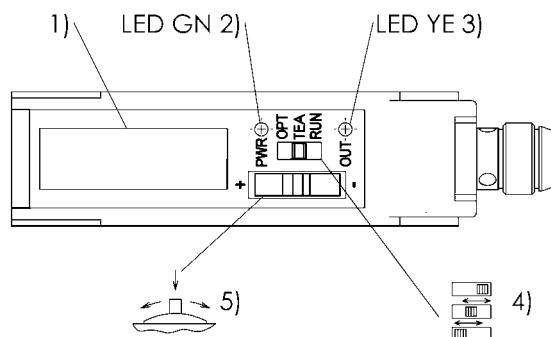
Wiring Diagrams



Help Views



- 1) Display
- 2) Stability
- 3) Output function
- 4) Slide switch operating modes
- 5) Jog-Switch



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Opto Symbols

