

## INDUCTIVE SENSOR - Ø 6.5

Standard mini version  
Plug connection

## TYPE - ART. NO.

SM-10-6.5-S-Y7 - SM105025

SM-10-6.5-O-Y7

SM-20-6.5-S-Y7 - SM208003

## DESCRIPTION

10 = PNP

20 = NPN

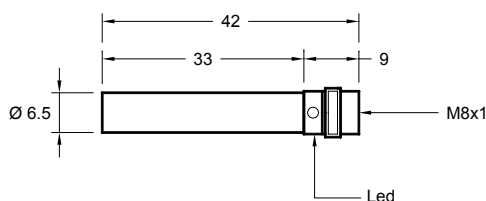
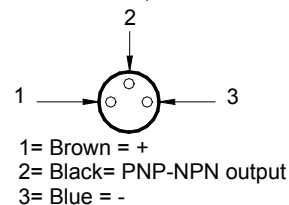
6.5 = Ø 6.5 - shielded

S = normally open

O = normally closed

Y7 = metal connector M8x1

## DIMENSIONS AND TECHNICAL DATA

Connector Y7  
for sensors 6,5-M8

|                               |                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating distance $S_n$      | 2 mm                                                                                                                                                                    |
| Flush mounting                | yes                                                                                                                                                                     |
| Electrical version            | 3 pins DC                                                                                                                                                               |
| Operating voltage $U_b$       | 10...35 Vdc                                                                                                                                                             |
| Output current $I_e$          | max. 150mA                                                                                                                                                              |
| Voltage drop $U_d$            | max. $\leq 3.5$ V                                                                                                                                                       |
| Permitted residual ripple     | max. 5%                                                                                                                                                                 |
| No load current $I_o$         | tip. 10mA                                                                                                                                                               |
| Frequency of operating cycles | max. 1 KHz                                                                                                                                                              |
| Hysteresis                    | < 10 %                                                                                                                                                                  |
| Repeat accuracy               | < 1 %                                                                                                                                                                   |
| Permitted ambient temperature | -20...+70°C                                                                                                                                                             |
| Temperature drift             | < 10 %                                                                                                                                                                  |
| Led display                   | yellow                                                                                                                                                                  |
| Protective circuit            | built-in                                                                                                                                                                |
| Degree of protection          | (IEC 529) IP 67                                                                                                                                                         |
| Housing material              | INOX 303                                                                                                                                                                |
| Active surface material       | PVDF                                                                                                                                                                    |
| Connection                    | metal connector 3 pins, M8x1                                                                                                                                            |
| Maximum torque                | -                                                                                                                                                                       |
| Connection diagrams           | <div><div>PNP N.O.<br/></div><div>PNP N.C.<br/></div><div>PNP Antivalent<br/></div><div>NPN N.O.<br/></div><div>NPN N.C.<br/></div><div>NPN Antivalent<br/></div></div> |