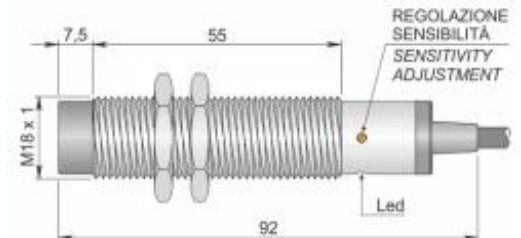




**Part number: YC800007 - Model: SC18SM-CE10 NPN NO+NC AD3**



Dimension in mm

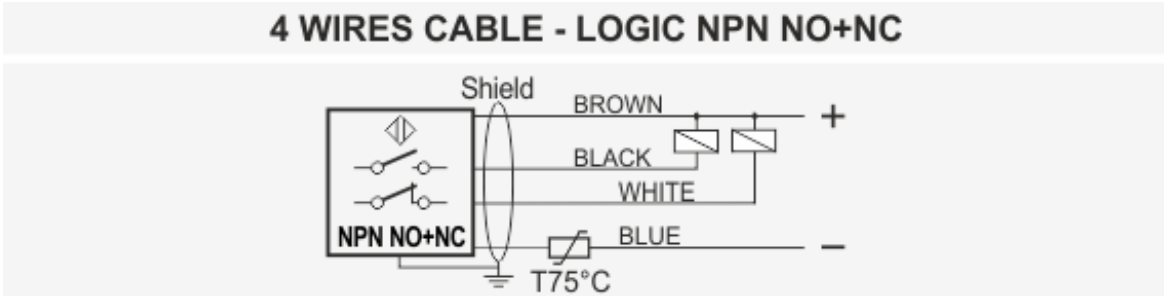
### TECHNICAL CHARACTERISTICS

|                                         |                                                                 |
|-----------------------------------------|-----------------------------------------------------------------|
| Working voltage:                        | 10 ÷ 40 Vdc                                                     |
| Output type:                            | DC NPN                                                          |
| Function:                               | NO+NC                                                           |
| Actuation type:                         | Instantaneous                                                   |
| Sensing distance (mm):                  | 0 ÷ 10 (adjustable)                                             |
| Hysteresis (%):                         | Depends on the switching distance                               |
| Max. switching frequency:               | 10 Hz                                                           |
| Repeatability (%Sn):                    | < 10                                                            |
| Max. output current:                    | 200 mA                                                          |
| Absorption:                             | < = 10 mA @ 24Vdc                                               |
| Voltage drop:                           | < 1.8 V                                                         |
| Short circuit protection:               | Present                                                         |
| Led indicator:                          | Present                                                         |
| Shielded:                               | Not embeddable                                                  |
| Mechanical characteristics:             | M18X1                                                           |
| IP rating:                              | IP 67                                                           |
| Housing material:                       | Nickelled brass                                                 |
| Connection type:                        | Cable 3 m                                                       |
| Cable type:                             | 4x0.25 PVC shielded                                             |
| Weight:                                 | 140 g                                                           |
| Operating temperature range:            | -25 ÷ +60 °C                                                    |
| Storage temperature range:              | -25 ÷ +70 °C                                                    |
| Max. surface temperature:               | +85 °C                                                          |
| Limiting device of surface temperature: | Intervention at 75 ° C non-resettable                           |
| Explosive atmosphere type:              | Air/Dust mixture                                                |
| Equipment category:                     | 3D                                                              |
| Installation area:                      | Zone 22                                                         |
| Protection method:                      | Protection by enclosure                                         |
| Marking:                                | II 3D Ex tc IIIC T85°C Dc X-25< Ta                              |
| Conforming standard:                    | EN60079-0, EN60079-31, EN61000-6-2, EN61000-6-4 and EN60947-5-2 |



Part number: YC800007 - Model: SC18SM-CE10 NPN NO+NC AD3

**WIRING DIAGRAM**



**INSTRUCTIONS FOR CORRECT INSTALLATION**

