



# SS-SP

## SSC/DN-1E

Photo.M18,NPN-DO,M12 plug,Reflex  
M18 DC WITH LATERAL ADJUSTMENT

## OVERVIEW

- Models with side sens. adjustment on axial and right angle optic
- LO/DO selectable output
- ATEX models, cat. 3, available on request
- LED status indicator for all versions
- Complete protection against electrical damages
- IP67 protection degree for all models
- Approvals: CE and cULus listed



## TECHNICAL FEATURES

### Detection properties

|                          |                |
|--------------------------|----------------|
| Nominal sensing distance | 5m             |
| Thermal drift of Sr      | $\leq 10\%$ Sr |
| Repeat Accuracy          | 5%             |
| Sensitivity adjustment   | No             |

### Application

|                                |                        |
|--------------------------------|------------------------|
| Function Principle             | Retroreflective        |
| Notes                          | On RL110 reflector     |
| Optic position                 | Axial                  |
| Outputs                        |                        |
| Output type                    | NPN Don                |
| Output Function                | Don                    |
| Switching frequency            | 250Hz                  |
| Response time                  | 2ms                    |
| Electrical data                |                        |
| Operating Voltage              | 10...30VDC             |
| No-Load supply current         | ≤ 30mA                 |
| Load current                   | ≤100mA                 |
| Leakage current                | ≤10μA                  |
| Output voltage drop            | ≤1,2V@Iload=100mA      |
| Max ripple content             | ≤10%                   |
| LED indicators                 | Yellow (status output) |
| Time delay before availability | ≤200ms                 |
| Short-circuit protection       | Yes                    |

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| Reverse Polarity Protection      | Yes                                              |
| Emission                         | LED Infrared (880nm)                             |
| Interference to external light   | 3000lux (incandescent lamp), 10000lux (sunlight) |
| Impulsive Overvoltage Protection | Yes                                              |

**Mechanical data**

|                       |                                   |
|-----------------------|-----------------------------------|
| Dimensions            | M18 x 1 /L =78mm                  |
| Housing material      | Nickel plated brass / PC plug     |
| Weight                | 100g                              |
| Connections           | M12 plug                          |
| Active Head Material  | PMMA                              |
| Tightening torque     | 25Nm                              |
| Operating temperature | - 25°C...+ 70° C (Without freeze) |
| Diameter/Dimension    | M18                               |

**Test/Approvals**

|                       |                                                |
|-----------------------|------------------------------------------------|
| Approvals             | CE cULus                                       |
| EMC compatibility     | EN 60947-5-2                                   |
| Shocks and vibrations | Vibration IEC 60068-2-6 / Shock IEC 60068-2-27 |
| Degree of protection  | IP67                                           |

## Accessories

### Supplied Accessories

nuts M18 x 1

## Generical Data

### Dimensions

M18 x 1 /L =78mm

### Operating Temperature

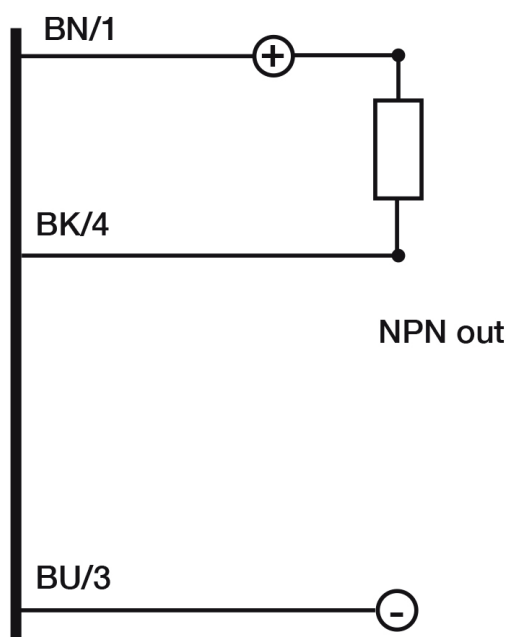
- 25°C...+ 70°C (Without freeze)

### Mechanical Protection

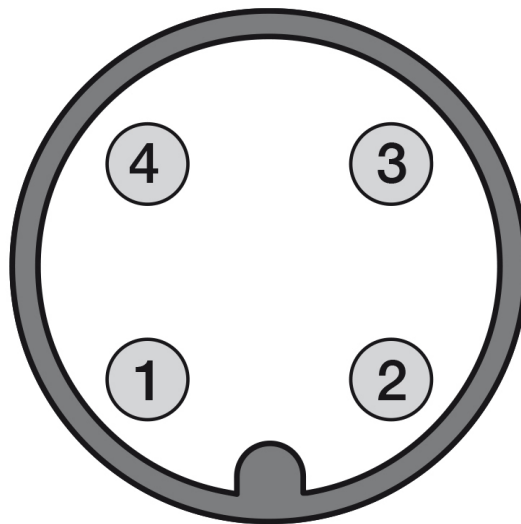
IP67

# CONNECTIONS

## Eletrical diagram

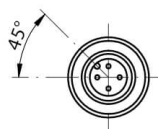
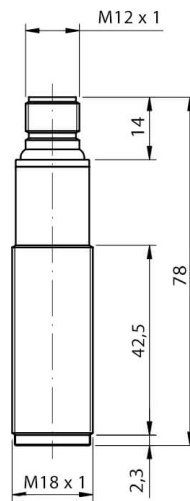


## Connector

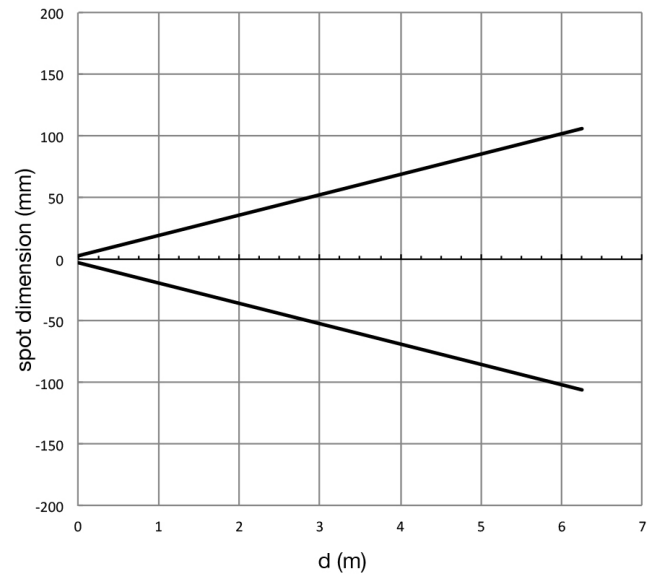


## OTHERS

### Dimensions



### Response curves



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