



# SS-SP

## SSP/0P-1E3X7W

Photo.M18,PNP-NO/NC,M12 plug,Reflex

### TECHNICAL FEATURES

#### Detection properties

|                          |         |
|--------------------------|---------|
| Nominal sensing distance | 4m      |
| Thermal drift of Sr      | ≤10% Sr |
| Repeat Accuracy          | 5%      |
| Sensitivity adjustment   | Trimmer |

#### Application

|                    |                    |
|--------------------|--------------------|
| Function Principle | Polarized          |
| Notes              | On RL110 reflector |
| Optic position     | Axial              |

#### Outputs

|             |                    |
|-------------|--------------------|
| Output type | PNP L/D Selectable |
|             |                    |

|                     |                |
|---------------------|----------------|
| Output Function     | L/D Selectable |
| 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 Red (660nm)                                  |
| Interference to external light   | 3000lux (incandescent lamp), 10000lux (sunlight) |
| Impulsive Overvoltage Protection | Yes                                              |

Mechanical data

|                  |                               |
|------------------|-------------------------------|
| Housing material | Nickel plated brass / PC plug |
|------------------|-------------------------------|

|             |          |
|-------------|----------|
| Connections | M12 plug |
|-------------|----------|

|                      |      |
|----------------------|------|
| Active Head Material | PMMA |
|----------------------|------|

|                   |      |
|-------------------|------|
| Tightening torque | 25Nm |
|-------------------|------|

|                    |     |
|--------------------|-----|
| 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 |
|-----------------------|------------------------------------------------|

#### Accessories

|                      |                           |
|----------------------|---------------------------|
| Supplied Accessories | nuts M18 x 1, screwdriver |
|----------------------|---------------------------|

#### Generical Data

|            |                  |
|------------|------------------|
| Dimensions | M18 x 1 /L =78mm |
|------------|------------------|

|                       |                                  |
|-----------------------|----------------------------------|
| Operating Temperature | - 25°C...+ 70°C (Without freeze) |
|-----------------------|----------------------------------|

|                       |      |
|-----------------------|------|
| Mechanical Protection | IP67 |
|-----------------------|------|

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