



# SA

## SA6/0N-0K

Photo.M18,NPN-NO/NC,M12 plug  
90°,Diffuse

M18 DC HIGH PERFORMANCES WITH REAR ADJUSTMENT

## OVERVIEW

- Wide range of models: diffuse, retro-reflective, polarized and fixed-focus
- All models are available with sensitivity adjustment trimmer
- Double LED indicator (ON/OFF - supply)
- NO/NC selectable output
- IP65 protection degree
- Complete protection against electrical damage
- Wide range of plugs, accessories and

## Application

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Function Principle | Diffuse reflection (medium distance, $\leq 600\text{mm}$ ) |
|--------------------|------------------------------------------------------------|

|       |                                    |
|-------|------------------------------------|
| Notes | white target Kodak 90% 100 x 100mm |
|-------|------------------------------------|

|                |       |
|----------------|-------|
| Optic position | Axial |
|----------------|-------|

## Outputs

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

|                 |                |
|-----------------|----------------|
| Output Function | L/D Selectable |
|-----------------|----------------|

|                     |      |
|---------------------|------|
| Switching frequency | 1Khz |
|---------------------|------|

|               |                   |
|---------------|-------------------|
| Response time | 500 $\mu\text{s}$ |
|---------------|-------------------|

|                                |                                                    |
|--------------------------------|----------------------------------------------------|
| Reverse Polarity Protection    | Yes                                                |
| Emission                       | LED Infrared (880nm)                               |
| Interference to external light | 3.000lux (incandescent lamp), 10.000lux (sunlight) |

Mechanical data

|                       |                                   |
|-----------------------|-----------------------------------|
| Dimensions            | 21,4mmx89,8mm                     |
| Housing material      | PBT / Nylon plug                  |
| Weight                | 40g                               |
| Connections           | M12 plug 90°                      |
| Active Head Material  | PMMA                              |
| Tightening torque     | 1Nm                               |
| Operating temperature | - 25°C...+ 70° C (without freeze) |
| Diameter/Dimension    | M18                               |

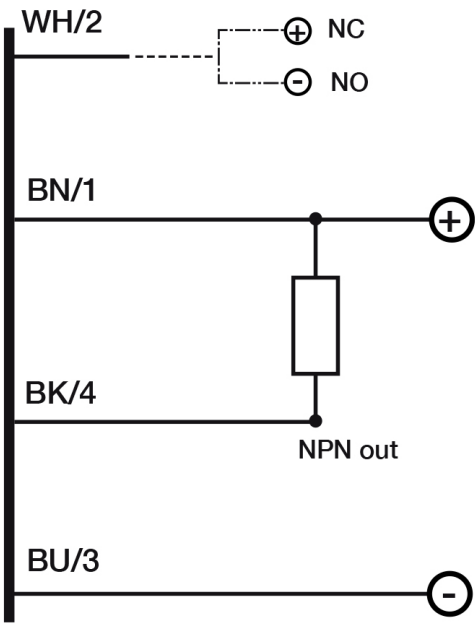
Test/Approvals

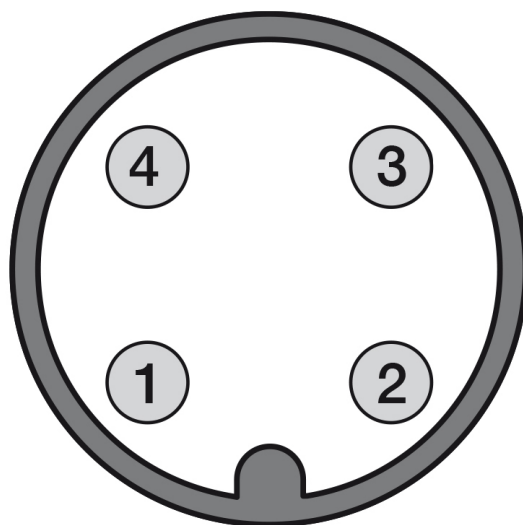
|                       |                 |
|-----------------------|-----------------|
| Approvals             | CE              |
| EMC compatibility     | EN 60947-5-2    |
| Shocks and vibrations | Vibration IEC 6 |

|                       |                                  |
|-----------------------|----------------------------------|
| Supplied Accessories  | Nuts M18 x 1                     |
| Generical Data        |                                  |
| Dimensions            | 21,4mmx89,8mm                    |
| Operating Temperature | - 25°C...+ 70°C (Without freeze) |
| Mechanical Protection | IP67                             |

# CONNECTIONS

Eletrical diagram





## OTHERS

Dimensions

