



V3

V3K1/S0-3A8F

Ind.M18,2 wires AC/DC-NC,Cable,Sch-LD  
"M8, M12, M18, M30 INDUCTIVE WITH AC/DC SUPPLY  
VOLTAGE"

## OVERVIEW



## TECHNICAL FEATURES

### Detection properties

|                          |                                                                      |
|--------------------------|----------------------------------------------------------------------|
| Nominal sensing distance | 6mm                                                                  |
| Operanting distance      | 0...4,8mm                                                            |
| Standard target          | 18x18mm FE360                                                        |
| Correction Factor        | copper: 0,39 / aluminium: 0,46 / brass: 0,52 / stainless steel: 0,81 |
| Thermal drift of Sr      | < 10%                                                                |
| Repeat Accuracy          | < 5% (UB 24V Ta=23°C ±5°C)                                           |
| Hysteresis               | 1 ... 20%                                                            |

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Application                      |                                     |
| Description                      | M18 standard flush mount            |
| Functions                        | Proximity                           |
| Outputs                          |                                     |
| Output type                      | MOSFET                              |
| Output Function                  | NC (Vac) - NC/NO (Vdc)              |
| Switching frequency              | 25Hz (AC) - 600Hz (DC)              |
| Electrical data                  |                                     |
| Operating Voltage                | 20...250Vac/50...60Hz...20...250Vdc |
| Load current                     | 5...140ma(Vac) - 5...200mA (Vdc)    |
| Leakage current                  | ≤ 1mA (Vac) - ≤ 0,7mA (Vdc)         |
| Output voltage drop              | ≤ 7,5V (Vac) - ≤ 8V (Vdc)           |
| Max ripple content               | ≤ 10%                               |
| LED indicators                   | Yellow LED output state             |
| Time delay before availability   | ≤100ms                              |
| Short-circuit protection         | Yes                                 |
| Impulsive Overvoltage Protection | Yes                                 |
| Inrush current                   | 600mA/150ms (AC/DC)                 |
|                                  |                                     |

0,1µF @Vmax - 1µF @Vmin

1µF @Vmax - 1µF @Vmin

#### Mechanical data

Dimensions

M18 x 1 / L = 60mm

Mounting

Shielded

Material

Nickel-plated brass

Housing material

Nickel-plated brass

Weight

100g

Connections

2m PUR Cable

Active Head Material

PA4T

Tightening torque

25Nm

Operating temperature

-25°C...+70°C

Diameter/Dimension

M18

#### Test/Approvals

Approvals

CE cULus

EMC compatibility

IEC 60947-5-2

Shocks and vibrations

Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Degree of protection

IP67

#### Accessories

Supplied Accessories

2 nuts M18x1

## Generical Data

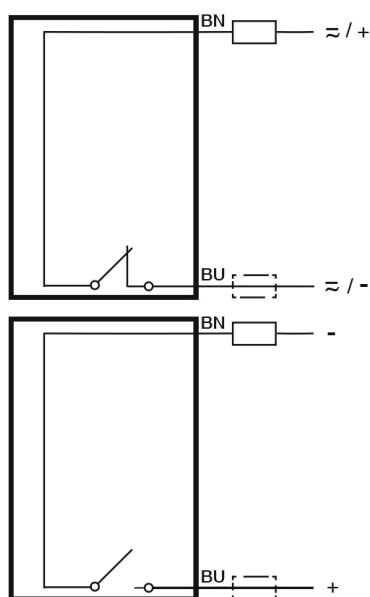
Dimensions M18 x 1 / L = 60mm

Operating Temperature -25°C...+70°C

Mechanical Protection IP67

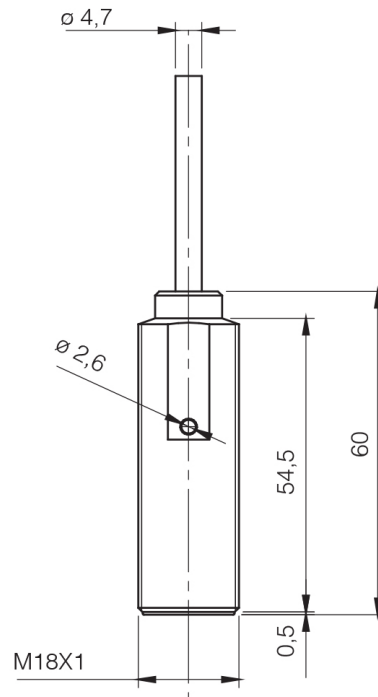
## CONNECTIONS

### Eletrical diagram



## OTHERS

### Dimensions



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