



# V3

## V3E1/R0-3A8F

**Ind.M8,2 wires AC/DC-NO,Cable,Sch-LD**  
"M8, M12, M18, M30 INDUCTIVE WITH AC/DC SUPPLY VOLTAGE"

## OVERVIEW



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	2mm
Operanting distance	0...1,62mm
Standard target	8x8mm FE360
Correction Factor	copper: 0,51 / aluminium: 0,48 / brass: 0,56 / stainless steel: 0,83
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

## Application

Description	M8 standard flush mount
Functions	Proximity

## Outputs

Output type	MOSFET
Output Function	NO
Switching frequency	25Hz (AC) - 900Hz (DC)

## Electrical data

Operating Voltage	20...120Vac/50...60Hz...20...120Vdc
Load current	5...55ma(Vac) - 5...80mA (Vdc)
Leakage current	≤ 0,55mA (Vac) - ≤ 0,40mA (Vdc)
Output voltage drop	≤ 7,5V (Vac) - ≤ 8,5V (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	150mA/150ms (AC/DC)

0,1µF @Vmax - 1µF @Vmin

0,1µF @Vmax - 1µF @Vmin

#### Mechanical data

Dimensions M8 x 1 / L = 61,9mm

Mounting Shielded

Material Nickel-plated brass

Housing material Nickel-plated brass

Weight 70g

Connections 2m PUR Cable

Active Head Material PA4T

Tightening torque 3Nm

Operating temperature -25°C...+70°C

Diameter/Dimension M8

#### 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 M8x1

## Generical Data

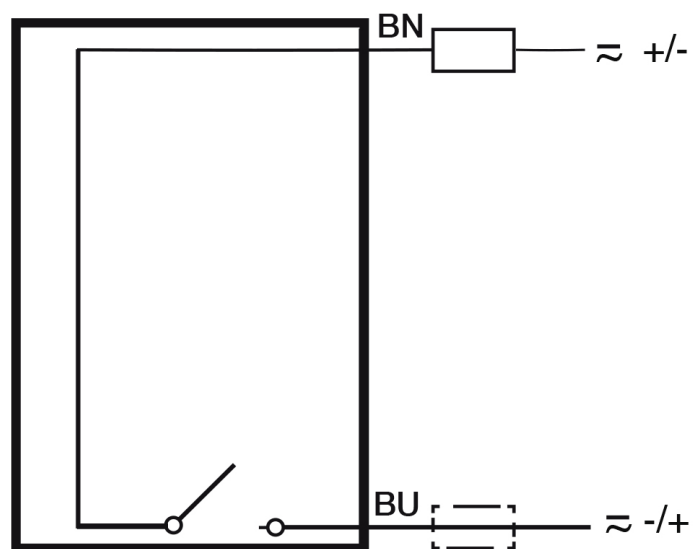
Dimensions M8 x 1 / L = 61,9mm

Operating Temperature -25°C...+70°C

Mechanical Protection IP67

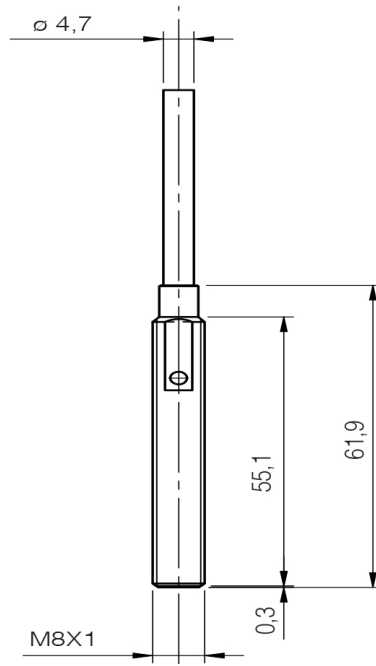
# CONNECTIONS

Electrical diagram



# OTHERS

Dimensions



**Datasensing  
S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
info@datasensing.com

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