

Indicative image



### Detection properties

Nominal sensing distance	12mm
Operanting distance	0...9,7mm
Standard target	36x36mm FE360
Correction Factor	copper: 0,42 / aluminium: 0,48 / brass: 0,53 / stainless steel: 0,83
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

### Outputs

Output type	MOSFET
Output Function	NC (Vac) - NC/NO (Vdc)
Switching frequency	25Hz (AC) - 250Hz (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

Mounting	Shielded
Dimensions	M30 x 1,5 / L = 55mm
Weight	170g
Housing Material	Nickel-plated brass
Connections	2m PUR Cable
Active Head Material	PA4T
Tightening torque	40Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M30

#### 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

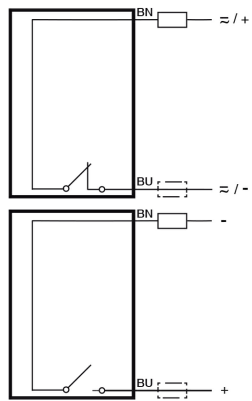
#### Accessories

Supplied Accessories	2 nuts M30x1,5
----------------------	----------------

#### Generical Data

Dimensions	M30 x 1,5 / L = 55mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

## ELECTRICAL DIAGRAMS OF THE CONNECTIONS



---

### **Datasensing S.r.l.**

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

### **date of printing**

16/02/2022 13:23:59