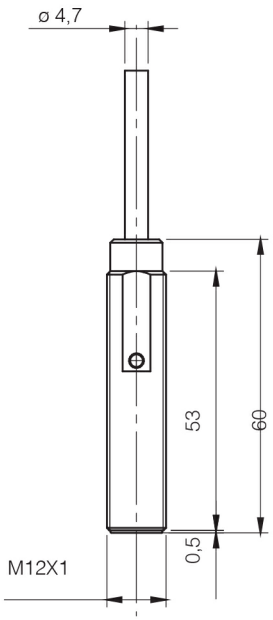
V3M1/R0-3A8F

V3



Indicative image

"M8, M12, M18, M30 INDUCTIVE WITH AC/DC SUPPLY VOLTAGE"



Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,2mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,48 / aluminium: 0,54 / brass: 0,60 / stainless steel: 0,86
Thermal drift of Sr	< 10%
Repeat Accuracy	5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Outputs

Output type	MOSFET
Output Function	NO (Vac) - NO/NC (Vdc)
Switching frequency	25Hz (AC) - 750Hz (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	M12 x 1 / L = 60mm
Weight	80g
Housing Material	Nickel-plated brass
Connections	2m PUR Cable
Active Head Material	PA4T
Tightening torque	6Nm
Operating temperature	-25°C...+70°C
Diameter/Dimension	M12

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

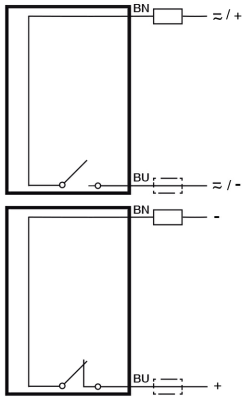
Accessories

Supplied Accessories	2 nuts M12x1

Generical Data

Dimensions	M12 x 1 / L = 60mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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