

Image:

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AM9/AN-3H

Ind.M12,NPN-NO,M12 Plug,Sch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	4mm
Operanting distance	0...3,2mm
Standard target	12x12mm FE360
Correction Factor	copper: 0,33 / aluminium: 0,4 / brass: 0,5 / stainless steel: 1,05
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	M12 mini flush mount
Functions	Proximity

Outputs

Output type	NPN
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Output Function	NO
Switching frequency	2kHz
Electrical data	
Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA
Load current	≤ 200mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,8V @200mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 50ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes
Mechanical data	
Mounting	Shielded
Material	Nickel-plated brass

Housing material	Nickel-plated brass
Connections	M12 Plug
Active Head Material	PBT
Tightening torque	10Nm
Diameter/Dimension	M12

Test/Approvals

Approvals	CE UR
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Accessories

Supplied Accessories	2 nuts M12x1
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Generical Data

Dimensions	M12 x 1 / L = 46,3mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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