

Image:

AT

AT1/BP-1HAN

Ind.M30,PNP-NO+NC,M12 plug,Sch-STD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	10mm
Operanting distance	0...8,1mm
Standard target	30x30mm FE360
Correction Factor	copper: 0,35 / aluminium: 0,45 / brass: 0,50 / stainless steel: 0,75
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

Application

Description	M30 standard flush mount
Functions	Proximity

Outputs

Output type	PNP
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Output Function	NO + NC
Switching frequency	200Hz
Electrical data	
Operating Voltage	10...30Vdc
No-Load supply current	≤ 20mA
Load current	≤ 400mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1V @400mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	≤100ms
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	50Nm
Diameter/Dimension	M30

Test/Approvals

Approvals	CE UR II 3G Ex nA IIC T6 Gc II 3D Ex tc IIIB T85°C Dc
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

Accessories

Supplied Accessories	2 nuts M30x1.5
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Generical Data

Dimensions	M30 x 1,5 / L = 76mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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