



AT

AT1/AP-4HAN

Ind.M30,PNP-NO,M12 Plug,Nsch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	20mm
Operanting distance	0...16,2mm
Standard target	60x60mm FE360
Correction Factor	copper: 0,45 / aluminium: 0,50 / brass: 0,55 / 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 no-flush mount
Functions	Proximity

Outputs	
Output type	PNP
Output Function	NO
Switching frequency	200Hz

Electrical data	
Operating Voltage	10...30Vdc
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 400\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1\text{V @}400\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 100\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data	
Mounting	Unshielded

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

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

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