



AD1

AD1/AP-1A8F

Ind.M5,PNP-NO,Cable,Sch-STD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance 0,8mm

Operanting distance 0...0,65mm

Standard target 5x5mm FE360

Correction Factor copper: $0,32 \pm 10\%$ / aluminium: $0,26 \pm 10\%$ / brass: $0,35 \pm 10\%$ / stainless steel: $0,66 \pm 10\%$

Thermal drift of Sr $< 10\%$

Repeat Accuracy $< 5\%$ (UB 24V Ta=23°C $\pm 5^\circ\text{C}$)

Hysteresis 1 ... 20%

Application

Description M5 standard flush mount

Functions Proximity

Outputs

Output type	PNP
Output Function	NO
Switching frequency	5kHz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	$\leq 10\text{mA}$
Load current	$\leq 100\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1,5\text{V @}100\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 50\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data

||
||
||

Mounting	Shielded
Material	AISI303 Stainless Steel
Housing material	AISI303 Stainless Steel
Connections	2m PUR Cable
Active Head Material	PBT
Tightening torque	2Nm
Diameter/Dimension	M5

Test/Approvals

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

Accessories

Supplied Accessories	2 nuts M5x0.5
----------------------	---------------

Generical Data

Dimensions	M5 x 0,5 / L = 30,2mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

S.r.l.

Strada S.Caterina, 235

41122 Modena (MO)

Tel. 059 420411

Fax 059 253973

E-mail

info@datasensing.com

printing

07/08/2026

01:09:53