

AD1

AD1/AN-3A8F

Ind.M5,NPN-NO,Cable,Sch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,5mm
Operanting distance	0…1,21mm
Standard target	5x5mm FE360
Correction Factor	copper: 0,29 ± 10% / aluminium: 0,23 ± 10% / brass: 0,31 ± 10% / stainless steel: 0,66 ± 10%
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 … 20%

Application

Description	M5 standard flush mount
Functions	Proximity

Outputs

Output type	NPN
Output Function	NO
Switching frequency	5kHz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA
Load current	≤ 100mA
Leakage current	≤ 10μA
Output voltage drop	≤ 1,5V @100mA
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	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

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