

AC1



AC1/AP-1A86

Ind.d4,PNP-NO,Cable,Sch-STD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,8mm
Operanting distance	0...0,65mm
Standard target	4x4mm FE360
Correction Factor	copper: $0,28 \pm 10\%$ / aluminium: $0,21 \pm 10\%$ / brass: $0,32 \pm 10\%$ / stainless steel: $0,63 \pm 10\%$
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C $\pm 5^{\circ}\text{C}$)
Hysteresis	1 ... 20%

Application

Description	Ø4 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

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Mounting	Shielded
Material	AISI303 Stainless Steel
Housing material	AISI303 Stainless Steel
Connections	5m PVC Cable
Active Head Material	PBT
Diameter/Dimension	Ø4

Test/Approvals

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

Generical Data

Dimensions	Ø4 / L = 30,2mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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