

AC1



AC1/AP-3A8F

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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,5mm
Operanting distance	0...1,21mm
Standard target	4.5x4.5mm FE360
Correction Factor	copper: $0,29 \pm 10\%$ / aluminium: $0,23 \pm 10\%$ / brass: $0,31 \pm 10\%$ / 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	Ø4 standard flush mount
Functions	Proximity

Outputs

Output type	PNP
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Output Function	NO
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Switching frequency	5kHz
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Electrical data

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

Mounting	Shielded
Material	AISI303 Stainless Steel
Housing material	AISI303 Stainless Steel
Connections	2m PUR 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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**date of
printing**
06/08/2026
21:40:08