



AES

AES/AP-3A8F

Ind.M8,PNP-NO,Cable,Sch-LD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	2mm
Operanting distance	0...1,62mm
Standard target	8x8mm FE360
Correction Factor	copper: $0,15 \pm 10\%$ / aluminium: $0,15 \pm 10\%$ / brass: $0,21 \pm 10\%$ / stainless steel: $0,56 \pm 10\%$
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C $\pm 5^{\circ}\text{C}$)
Hysteresis	1 ... 20%

Application

Description	M8 mini flush mount
Functions	Proximity

Outputs	
Output type	PNP
Output Function	NO
Switching frequency	7kHz

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	AISI 303 Stainless Steel
Connections	2m PUR Cable
Active Head Material	PBT
Tightening torque	5Nm
Diameter/Dimension	M8

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 M8x1
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Generical Data

Dimensions	M8 x 1 / L = 20,3mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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