

AE

AE1/AP-1FAN

Ind.M8,PNP-NO,M8,Sch-STD

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,5mm
Operanting distance	0…1,21mm
Standard target	8x8mm FE360
Correction Factor	copper: 0,29 / aluminium: 0,38 / brass: 0,49 / stainless steel: 0,78
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 … 20%

Application

Description	M8 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	≤ 10mA
Load current	≤ 200mA
Leakage current	≤ 10µA
Output voltage drop	≤ 1,8V @200mA
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	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	M8 Plug
Active Head Material	PBT
Tightening torque	3Nm
Diameter/Dimension	M8

Test/Approvals

Approvals	CE UR II 3G Ex nA IIC T5 Gc II 3D Ex tc IIIB T90°C Dc
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

Generical Data

Dimensions	M8 x 1 / L = 50mm
Operating Temperature	-25°C…+70°C
Mechanical Protection	IP67

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