

AES

AES/AP-3A8R

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 ± 10% / aluminium: 0,15 ± 10% / brass: 0,21 ± 10% / stainless steel: 0,56 ± 10%
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°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	≤ 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	AISI 303 Stainless Steel
Connections	10m PVC 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

Generical Data

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

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