



AD1

AD1/AP-3A8F

Ind.M5,PNP-NO,Cable,Sch-LD

TECHNICAL FEATURES

Detection properties

| | |
|--------------------------|--|
| Nominal sensing distance | 1,5mm |
| Operanting distance | 0...1,21mm |
| Standard target | 5x5mm 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 | M5 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 |
| Housing Material | AISI303 Stainless Steel |
| Connections | 2m PUR Cable |
| Active Head Material | PBT |
| Tightening torque | 2Nm |
| Material | AISI303 Stainless Steel |
| Diameter/Dimension | M5 |

Test/Approvals

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

Accessories

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|----------------------|---------------|
| Supplied Accessories | 2 nuts M5x0.5 |
|----------------------|---------------|

Generical Data

| | |
|-----------------------|-----------------------|
| Dimensions | M5 x 0,5 / L = 30,2mm |
| Operating Temperature | -25°C...+70°C |
| Mechanical Protection | IP67 |

S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

printing

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