

# AE

# AE1/AP-1A8F84

**Ind.M8,PNP-NO,Cable,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 | 3m PUR Cable |
| Active Head Material | PBT |
| Tightening torque | 3Nm |
| Diameter/Dimension | M8 |

Test/Approvals

| | |
|---|---|
| Approvals | CE UR |
| 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 = 45,5mm |
| Operating Temperature | -25°C…+70°C |
| Mechanical Protection | IP67 |

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