# AC1



## AC6/AP-1A86

**Ind.d4,PNP-NO,Cable,Sch-STD**

# TECHNICAL FEATURES

Detection properties

| | |
|---|---|
| Nominal sensing distance | 0,8mm |
| Operanting distance | 0…0,65mm |
| Standard target | 4x4mm FE360 |
| Correction Factor | copper: 0,28 ± 10% / aluminium: 0,21 ± 10% / brass: 0,32 ± 10% / stainless steel: 0,63 ± 10% |
| Thermal drift of Sr | < 10% |
| Repeat Accuracy | < 5% (UB 24V Ta=23°C ±5°C) |
| Hysteresis | 1 … 20% |

Application

| | |
|---|---|
| Description | Ø4 short case 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 | ≤ 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 | AISI303 Stainless Steel |
| Connections | 5m PVC Cable |
| Active Head Material | PBT |
| Diameter/Dimension | Ø4 |

Test/Approvals

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

Generical Data

| | |
|---|---|
| Dimensions | Ø4 / L = 24,9mm |
| Operating Temperature | -25°C…+70°C |
| Mechanical Protection | IP67 |

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