



**AHS**

**AHS/AP-3A8F**

**Ind.d6,5,PNP-NO,Cable,Sch-LD**  
**Ø 6.5 MM CYLINDRICAL MINIATURIZED INDUCTIVE**  
**SENSORS**

## TECHNICAL FEATURES

### Detection properties

|                          |                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------|
| Nominal sensing distance | 2mm                                                                                                              |
| Operanting distance      | 0...1,62mm                                                                                                       |
| Standard target          | 8x8mm FE360                                                                                                      |
| Correction Factor        | copper: $0,05 \pm 10\%$ / aluminium: $0,05 \pm 10\%$ / brass: $0,10 \pm 10\%$ / stainless steel: $0,50 \pm 10\%$ |

### Application

|             |                  |
|-------------|------------------|
| Description | mini flush mount |
| Functions   | Proximity        |

### Outputs

|                 |     |
|-----------------|-----|
| Output type     | PNP |
| Output Function | NO  |

#### Electrical data

|                                  |     |
|----------------------------------|-----|
| Impulsive Overvoltage Protection | Yes |
|----------------------------------|-----|

#### Mechanical data

|          |          |
|----------|----------|
| Mounting | Shielded |
|----------|----------|

|          |                         |
|----------|-------------------------|
| Material | AISI303 Stainless Steel |
|----------|-------------------------|

|                  |                         |
|------------------|-------------------------|
| Housing material | AISI303 Stainless Steel |
|------------------|-------------------------|

|             |              |
|-------------|--------------|
| Connections | 2m PUR Cable |
|-------------|--------------|

|                      |     |
|----------------------|-----|
| Active Head Material | PBT |
|----------------------|-----|

|                    |      |
|--------------------|------|
| Diameter/Dimension | Ø6,5 |
|--------------------|------|

#### Test/Approvals

|                       |                                                |
|-----------------------|------------------------------------------------|
| Shocks and vibrations | Vibration IEC 60068-2-6 / Shock IEC 60068-2-27 |
|-----------------------|------------------------------------------------|

#### Generical Data

|            |                   |
|------------|-------------------|
| Dimensions | Ø6,5 / L = 20,3mm |
|------------|-------------------|

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -25°C...+70°C |
|-----------------------|---------------|

|                       |      |
|-----------------------|------|
| Mechanical Protection | IP67 |
|-----------------------|------|

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