

# Stainless steel

## 95B064800



**IS-65-M2-03**

**NON-CONTACT DETECTION COST EFFECTIVE AND  
RELIABLE DETECTION OF ANY METAL PART**

## OVERVIEW

- Standard proximity M4, M5, M8, M12, M18, M30
- Double range (i.e. M12 4mm, M18 14mm, M30 20mm)
- Unshielded or shielded models for flush mounting
- Nickel brass or stainless steel short and long housing
- Ecolab and Diversey certifications for industrial detergents
- Multi-voltage, Metal face, Weld field immune models
- NO/NC, NPN or PNP output and programmable versions.

## TECHNICAL FEATURES

### Detection properties

|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| Nominal sensing distance | 1,5mm                                                                                     |
| Operanting distance      | 0...1,21mm                                                                                |
| Standard target          | 8x8mm FE360                                                                               |
| Correction Factor        | copper: 0,2...0,5 / aluminium: 0,3...0,5 / brass: 0,4...0,6 / staineless steel: 0,7...0,9 |

|                 |                            |
|-----------------|----------------------------|
| Repeat Accuracy | < 3% (UB 24V Ta=23°C ±5°C) |
|-----------------|----------------------------|

|            |       |
|------------|-------|
| Hysteresis | < 10% |
|------------|-------|

Application

|             |                             |
|-------------|-----------------------------|
| Description | D6.5 short case flush mount |
|-------------|-----------------------------|

|           |           |
|-----------|-----------|
| Functions | Proximity |
|-----------|-----------|

Outputs

|             |     |
|-------------|-----|
| Output type | PNP |
|-------------|-----|

|                 |    |
|-----------------|----|
| Output Function | NC |
|-----------------|----|

|                     |      |
|---------------------|------|
| Switching frequency | 1kHz |
|---------------------|------|

|               |     |
|---------------|-----|
| Response time | 0,5 |
|---------------|-----|

Electrical data

|                   |            |
|-------------------|------------|
| Operating Voltage | 10...30Vdc |
|-------------------|------------|

|                        |        |
|------------------------|--------|
| No-Load supply current | ≤ 10mA |
|------------------------|--------|

|              |       |
|--------------|-------|
| Load current | 100mA |
|--------------|-------|

|                     |               |
|---------------------|---------------|
| Output voltage drop | ≤ 1,2V @100mA |
|---------------------|---------------|

|                    |       |
|--------------------|-------|
| Max ripple content | ≤ 10% |
|--------------------|-------|

|                |                         |
|----------------|-------------------------|
| LED indicators | Yellow LED output state |
|----------------|-------------------------|

|                                |        |
|--------------------------------|--------|
| Time delay before availability | ≤ 50ms |
|--------------------------------|--------|

|                          |     |
|--------------------------|-----|
| Short-circuit protection | Yes |
|--------------------------|-----|

|                                    |         |
|------------------------------------|---------|
| Reverse Polarity Protection        | Yes     |
| Emission                           | ≥100kHz |
| Protection against inductive loads | Yes     |

**Mechanical data**

|                      |                 |
|----------------------|-----------------|
| Dimensions           | Ø6.5x40         |
| Mounting             | Shielded        |
| Material             | Stainless steel |
| Housing material     | Stainless steel |
| Connections          | 2m PVC Cable    |
| Active Head Material | LCP             |
| Diameter/Dimension   | Ø6,5            |

**Test/Approvals**

|           |          |
|-----------|----------|
| Approvals | CE cULus |
|-----------|----------|

**Generical Data**

|                       |                 |
|-----------------------|-----------------|
| Dimensions            | Ø6.5 / L = 40mm |
| Operating Temperature | -25°C...+70°C   |
| Mechanical Protection | IP69K           |

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