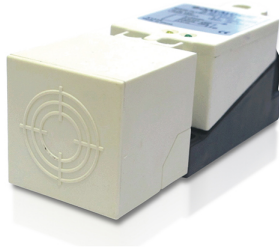


# Square



**95B065320**

**IS-40-X5-S2**

**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 | 15mm  |
| Operanting distance      | 0...12,1mm  |
| Standard target          | 45x45mm FE360   |
| Correction Factor        | copper: 0,4 / aluminium: 0,45 / brass: 0,5 / staineless steel: 0,85 |

|                 |                            |
|-----------------|----------------------------|
| Repeat Accuracy | < 1% (UB 24V Ta=23°C ±5°C) |
|-----------------|----------------------------|

|            |       |
|------------|-------|
| Hysteresis | < 15% |
|------------|-------|

### Application

|             |                                  |
|-------------|----------------------------------|
| Description | Large block style no-flush mount |
|-------------|----------------------------------|

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

### Outputs

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

|                 |       |
|-----------------|-------|
| Output Function | NO+NC |
|-----------------|-------|

|                     |       |
|---------------------|-------|
| Switching frequency | 100Hz |
|---------------------|-------|

|               |   |
|---------------|---|
| Response time | 5 |
|---------------|---|

### Electrical data

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

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

|              |       |
|--------------|-------|
| Load current | 200mA |
|--------------|-------|

|                     |               |
|---------------------|---------------|
| Output voltage drop | ≤ 1,5V @100mA |
|---------------------|---------------|

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

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

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

|                             |     |
|-----------------------------|-----|
| Reverse Polarity Protection | Yes |
|-----------------------------|-----|

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

#### Mechanical data

|                      |               |
|----------------------|---------------|
| Mounting             | Shielded      |
| Dimensions           | 40x40x56      |
| Housing Material     | Plastic - PBT |
| Connections          | M12 Plug      |
| Active Head Material | PBT           |
| Material             | Plastic - PBT |
| Diameter/Dimension   | 40x40x56      |

#### Test/Approvals

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

#### Generical Data

|                       |               |
|-----------------------|---------------|
| Dimensions            | 40x40x56mm    |
| Operating Temperature | -25°C...+70°C |
| Mechanical Protection | IP67          |

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