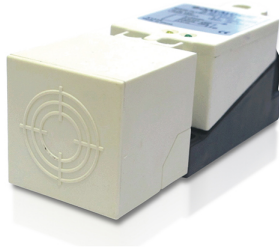


# Square



**95B065280**

**IS-40-Y5-S3**

**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 Diversy 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	30mm
Operanting distance	0...24,3mm
Standard target	90x90mm 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)
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Hysteresis	< 15%
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### Application

Description	Large block style no-flush mount
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Functions	Proximity
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### Outputs

Output type	PNP
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Output Function	NO+NC
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Switching frequency	100Hz
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Response time	5
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### Electrical data

Operating Voltage	10...30Vdc
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No-Load supply current	≤ 10mA
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Load current	200mA
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Output voltage drop	≤ 1,5V @100mA
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Max ripple content	≤ 10%
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LED indicators	Yellow LED output state
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Emission	≥100kHz
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Protection against inductive loads	Yes
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#### Mechanical data

Mounting	Unshielded
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Dimensions	40x41x118
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Housing Material	Plastic - PBT
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Connections	Terminal block
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Active Head Material	PBT
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Material	Plastic - PBT
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Diameter/Dimension	40x41x118
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#### Test/Approvals

Approvals	CE
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#### Generical Data

Dimensions	40x41x118mm
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Operating Temperature	-25°C...+70°C
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Mechanical Protection	IP67
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