

# Basic



**95B061061**

**IS-08-A3-03**

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

## OVERVIEW

## 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	M8 standard flush mount
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Functions	Proximity
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#### Outputs

Output type	NPN
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Output Function	NO
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Switching frequency	1kHz
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Response time	0,5
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#### Electrical data

Operating Voltage	10...30Vdc
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No-Load supply current	$\leq 10\text{mA}$
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Load current	200mA
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Output voltage drop	$\leq 1,2\text{V @}100\text{mA}$
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Max ripple content	$\leq 10\%$
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LED indicators	Yellow LED output state
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Time delay before availability	$\leq 50\text{ms}$
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Emission	$\geq 100\text{kHz}$
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Protection against inductive loads	Yes
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## Mechanical data

Mounting	Shielded
Dimensions	Ø8x51
Housing Material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	LCP
Tightening torque	2Nm
Material	Nickel-plated brass
Diameter/Dimension	M8

## Test/Approvals

Approvals	CE cULus
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## Accessories

Supplied Accessories	2 nuts M8x1
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## Generical Data

Dimensions	Ø8 / L = 51mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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