

Weld Field Immune



95B065360

IS-F12-S1-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	2mm
Operanting distance	0...1,62mm
Standard target	12x12mm 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	M12 weld field immune flush mount
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Functions	Proximity
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Outputs

Output type	PNP
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Output Function	NO
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Switching frequency	2kHz
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Response time	0,25
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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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Time delay before availability	< 0,1ms
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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
Emission	≥100kHz
Protection against inductive loads	Yes

Mechanical data

Mounting	Shielded
Dimensions	Ø12x67
Housing Material	Stainless steel
Connections	M12 Plug
Active Head Material	PTFE
Material	Stainless steel
Diameter/Dimension	M12

Test/Approvals

Approvals	CE
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Generical Data

Dimensions	Ø12 / L = 67mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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