

Metal Face



95B065340

IS-12-I1-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 metal face 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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Short-circuit protection	Yes
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Reverse Polarity Protection	Yes
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Emission	≥100kHz
Protection against inductive loads	Yes

Mechanical data

Dimensions	Ø12x68
Mounting	Shielded
Material	Stainless steel
Housing material	Stainless steel
Connections	M12 Plug
Active Head Material	Stainless steel AISI303
Tightening torque	6Nm
Diameter/Dimension	M12

Test/Approvals

Approvals	CE
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Accessories

Supplied Accessories	2 nuts M12x1
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Generical Data

Dimensions	Ø12 / L = 68mm
Operating Temperature	-25°C...+70°C

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