Metal Face



95B063881

IS-18-L1-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	8mm
Operanting distance	0…6,48mm
Standard target	24x24mm FE360
Correction Factor	copper: 0,4 / aluminium: 0,45 / brass: 0,5 / stainelss steel: 0,85

Repeat Accuracy	< 1% (UB 24V Ta=23°C ±5°C)
Hysteresis	< 15%

Application

Description	M18 metal face no-flush mount
Functions	Proximity

Outputs

Output type	PNP
Output Function	NO
Switching frequency	500Hz
Response time	1

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

Dimensions	Ø18x79
Mounting	Unshielded
Material	Stainless steel
Housing material	Stainless steel
Connections	M12 Plug
Active Head Material	Stainless steel AISI303
Tightening torque	20Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE

Accessories

Supplied Accessories	2 nuts M18x1

Generical Data

Dimensions	Ø18 / L = 79mm
Operating Temperature	-25°C…+70°C

Mechanical Protection	IP67

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