Basic



95B067050

IS-18-E1-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: 0,2…0,5 / aluminium: 0,3…0,5 / brass: 0,4…0,6 / stainelss steel: 0,7…0,9

Repeat Accuracy	< 3% (UB 24V Ta=23°C ±5°C)
Hysteresis	< 10%

Application

Description	M18 standard flush mount
Functions	Proximity

Outputs

Output type	PNP
Output Function	NO
Switching frequency	400Hz
Response time	1,25

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤ 10mA
Load current	200mA
Output voltage drop	≤ 1,2V @100mA
Max ripple content	≤ 10%
LED indicators	Yellow LED output state
Time delay before availability	≤ 75ms
Short-circuit protection	Yes

Reverse Polarity Protection	Yes
Emission	≥100kHz
Protection against inductive loads	Yes

Mechanical data

Dimensions	Ø18x73
Mounting	Shielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	M12 Plug
Active Head Material	LCP
Tightening torque	20Nm
Diameter/Dimension	M18

Test/Approvals

Approvals	CE cULus

Accessories

Supplied Accessories	2 nuts M18x1

Generical Data

Dimensions	Ø18 / L = 73mm

Operating Temperature	-25°C…+70°C
Mechanical Protection	IP67

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