

Basic



95B067290

IS-18-F0-03

**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	14mm
--------------------------	------

Operanting distance	0...11,34mm
---------------------	-------------

Standard target	42x42mm FE360
-----------------	---------------

Correction Factor	copper: 0,4...0,5 / aluminium: 0,4...0,6 / brass: 0,5...0,7 / staineless steel: 0,7...1,05
-------------------	--

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

Application

Description	M18 short case no-flush mount
Functions	Proximity

Outputs

Output type	NPN/PNP
Output Function	NO/NC
Switching frequency	100Hz
Response time	5

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	Ø18x79
Mounting	Unshielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	2m PVC Cable
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 = 79mm
------------	----------------

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

**Datasensing
S.r.l.**

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**

10/08/2026
00:23:12