

Stainless steel

95B060240



IS-12-M1-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: 0,2...0,5 / aluminium: 0,3...0,5 / brass: 0,4...0,6 / staineless steel: 0,7...0,9

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

Hysteresis	< 10%
------------	-------

Application

Description	M12 short case flush mount
-------------	----------------------------

Functions	Proximity
-----------	-----------

Outputs

Output type	PNP
-------------	-----

Output Function	NO
-----------------	----

Switching frequency	1kHz
---------------------	------

Response time	0,5
---------------	-----

Electrical data

Operating Voltage	10...30Vdc
-------------------	------------

No-Load supply current	≤ 10mA
------------------------	--------

Load current	100mA
--------------	-------

Output voltage drop	≤ 1,8V @100mA
---------------------	---------------

Max ripple content	≤ 10%
--------------------	-------

LED indicators	Yellow LED output state
----------------	-------------------------

Time delay before availability	≤ 50ms
--------------------------------	--------

Short-circuit protection	Yes
--------------------------	-----

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

Mechanical data

Dimensions	Ø12X48
Mounting	Shielded
Material	Stainless steel
Housing material	Stainless steel
Connections	M12 Plug
Active Head Material	LCP
Tightening torque	6Nm
Diameter/Dimension	M12

Test/Approvals

Approvals	CE cULus ECOLAB DIVERSEY
-----------	--------------------------

Accessories

Supplied Accessories	2 nuts M12x1
----------------------	--------------

Generical Data

Dimensions	Ø12 / L = 48mm
------------	----------------

Operating Temperature	-25°C...+70°C
-----------------------	---------------

Mechanical Protection	IP69K
-----------------------	-------

**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
07:25:19