

Basic



95B064550

IS-30-C9-03

**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	15mm
Operanting distance	0...12,1mm
Standard target	45x45mm 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	M30 standard no-flush mount
-------------	-----------------------------

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

Outputs

Output type	NPN/PNP
-------------	---------

Output Function	NO/NC
-----------------	-------

Switching frequency	250Hz
---------------------	-------

Response time	2
---------------	---

Electrical data

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

No-Load supply current	< 1,6mA
------------------------	---------

Load current	> 1,6 ... 100mA
--------------	-----------------

Output voltage drop	≤ 6,5V
---------------------	--------

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

Mounting	Unshielded
Dimensions	Ø30x81
Housing Material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	LCP
Tightening torque	40Nm
Material	Nickel-plated brass
Diameter/Dimension	M30

Test/Approvals

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

Accessories

Supplied Accessories	2 nuts M30x1.5
----------------------	----------------

Generical Data

Dimensions	Ø30 / L = 81mm
------------	----------------

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**

22/04/2026
01:25:20