

NAMUR

95B064620



IS-30-C20-03

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 / staineis steel: 0,7...1,05

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

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

Application

Description	M30 NAMUR no-flush mount
-------------	--------------------------

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

Outputs

Output type	NAMUR
-------------	-------

Output Function	NAMUR
-----------------	-------

Switching frequency	500Hz
---------------------	-------

Response time	1
---------------	---

Electrical data

Operating Voltage	7.7...9Vdc
-------------------	------------

No-Load supply current	< 1mA (target absent)
------------------------	-----------------------

Load current	< 3mA (target present)
--------------	------------------------

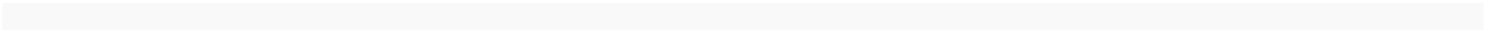
Max ripple content	≤ 10%
--------------------	-------

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

Reverse Polarity Protection	Yes
-----------------------------	-----

Emission	≥100kHz
----------	---------

Protection against inductive loads	Yes
------------------------------------	-----



Mechanical data

Dimensions	Ø30x60
Mounting	Unshielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	LCP
Tightening torque	40Nm
Diameter/Dimension	M30

Test/Approvals

Approvals	CE cULus II 3G EX nA II T6 II 3D EX tD A22 IP67 T85°C
-----------	---

Accessories

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

Generical Data

Dimensions	Ø30 / L = 60mm
Operating Temperature	-25°C...+60°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
08:18:44