

NAMUR

95B066300



IS-65-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	2mm
Operanting distance	0...1,62mm
Standard target	8x8mm 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	D6.5 NAMUR no-flush mount
-------------	---------------------------

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

Outputs

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

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

Switching frequency	2kHz
---------------------	------

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

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	Ø6.5x46
Mounting	Unshielded
Material	Nickel-plated brass
Housing material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	LCP
Diameter/Dimension	Ø6,5

Test/Approvals

Approvals	CE cULus
-----------	----------

Generical Data

Dimensions	Ø6.5 / L = 46mm
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
03:59:59