

Basic



95B061921

IS-08-B1-03

**NON-CONTACT DETECTION COST EFFECTIVE AND
RELIABLE DETECTION OF ANY METAL PART**

OVERVIEW

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,5mm
Operanting distance	0...1,21mm
Standard target	8x8mm 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	M8 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	$\leq 10\text{mA}$
------------------------	--------------------

Load current	200mA
--------------	-------

Output voltage drop	$\leq 1,2\text{V @}100\text{mA}$
---------------------	----------------------------------

Max ripple content	$\leq 10\%$
--------------------	-------------

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

Time delay before availability	$\leq 50\text{ms}$
--------------------------------	--------------------

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

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

Emission	$\geq 100\text{kHz}$
----------	----------------------

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

Mechanical data

Mounting	Shielded
Dimensions	Ø8X40
Housing Material	Nickel-plated brass
Connections	2m PVC Cable
Active Head Material	LCP
Tightening torque	2Nm
Material	Nickel-plated brass
Diameter/Dimension	M8

Test/Approvals

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

Accessories

Supplied Accessories	2 nuts M8x1
----------------------	-------------

Generical Data

Dimensions	Ø8 / L = 40mm
Operating Temperature	-25°C...+70°C
Mechanical Protection	IP67

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

05/04/2026
11:21:11