



S8

950801640

S8-MR-5-U03-NN

COMPACT SIZE AND HIGH PERFORMANCE FOR THE MOST CHALLENGING DETECTION APPLICATIONS LINKED TO YOUR INDUSTRY 4.0 APPLICATIONS

OVERVIEW

- Compact dimensions (14x42x25 mm)
- Background suppression for transparent and shiny objects
- Contrast sensors up to 25 kHz switching frequency
- Extremely focused spot, under 1 mm (LASER model)
- Very high resolution LASER models
- INOX AISI 316L model
- Extended IO-Link parametrization with counter
- All output fully PNP/NPN/PP IO-Link configurable
- IO-link COM2
- IO-Link dual channel with no jitter addition

TECHNICAL FEATURES

Detection properties

Nominal sensing distance 30mm

Sensitivity adjustment Teach-in

Application

Function Principle Luminescent mark detection

Description Compact slim case IP69K

Optic position	Radial 90°
Functions	Luminescent mark detection
Outputs	
Output type	NPN L/D Selectable
Output Function	L/D Selectable
Response time	0,25
Electrical data	
Operating Voltage	12...30VDC
No-Load supply current	≤ 30mA
Output voltage drop	≤2V@Iload=100mA
LED indicators	Yellow (status output) or (output/alarm) Green (powerON)
Short-circuit protection	YES
Reverse Polarity Protection	Yes
Emission	LED UV
Interference to external light	according to EN 60947-5-2 : 2020
Impulsive Overvoltage Protection	Yes
Insulation resistance	>20 MΩ 500 Vdc, between electronics and housing
Contact resistance	500 Vac 1 min., between electronics and housing

Mechanical data

Dimensions	14x43x25
------------	----------

Material	Metal - Stainless steel IP69K
----------	-------------------------------

Housing material	ABS(Housing), PMMA (Optics)
------------------	-----------------------------

Connections	M8 plug 4pin
-------------	--------------

Active Head Material	PMMA
----------------------	------

Storage temperature	- 25°C...+70°C
---------------------	----------------

Diameter/Dimension	Cubic
--------------------	-------

Test/Approvals

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

Shocks and vibrations	0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)
-----------------------	--

Generical Data

Dimensions	14x43x25
------------	----------

Operating Temperature	- 25°C...+ 55°C (Without freeze)
-----------------------	----------------------------------

Mechanical Protection	IP67
-----------------------	------

Datasensing S.r.l.

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

**date of
printing**
10/08/2026
07:22:46

info@datasensing.com