



# HE

## HEE/00-4F

Photo.M8,IR emiss.,M8 plug,Emitter  
M8 MINIATURIZED THROUGH-BEAM SENSORS DC

## OVERVIEW

- M8 through beam models with high switching frequency
- LED status indicator for all models
- Complete protection against electrical damages
- IP67 protection degree
- Stainless steel housing
- Supply voltage 10...30 Vdc
- Approvals: CE



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	2m
Thermal drift of Sr	$\leq 10\%Sr$
Repeat Accuracy	$\leq 10\%$
Sensitivity adjustment	No

### Application

Function Principle	Emitter
Notes	(EG=2)
Emitter/Receiver	Emitter
Optic position	Axial

### Outputs

Output type	
-------------	--

### Electrical data

Operating Voltage	10...30VDC
No-Load supply current	$\leq 45\text{mA}$
Load current	
Leakage current	
Output voltage drop	
Max ripple content	$\leq 10\%$
LED indicators	Yellow (powerON)
Time delay before availability	$\leq 200\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	LED Infrared (880nm)

Interference to external light	3.000 lux (incandescent lamp), 5.000 lux (sunlight)
Impulsive Overvoltage Protection	Yes

#### Mechanical data

Dimensions	M8x0,75/L=54mm
Housing material	Stainless Steel AISI 303
Weight	15g
Connections	M8 plug 3pin
Active Head Material	PMMA
Operating temperature	- 25°C...+ 50° C (without freeze)
Diameter/Dimension	M8

#### Test/Approvals

Approvals	CE
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

#### Accessories

Supplied Accessories	nuts M8 x 0,75
----------------------	----------------

#### Generical Data

Dimensions	M8x0,75/L=54mm
------------	----------------

Operating Temperature

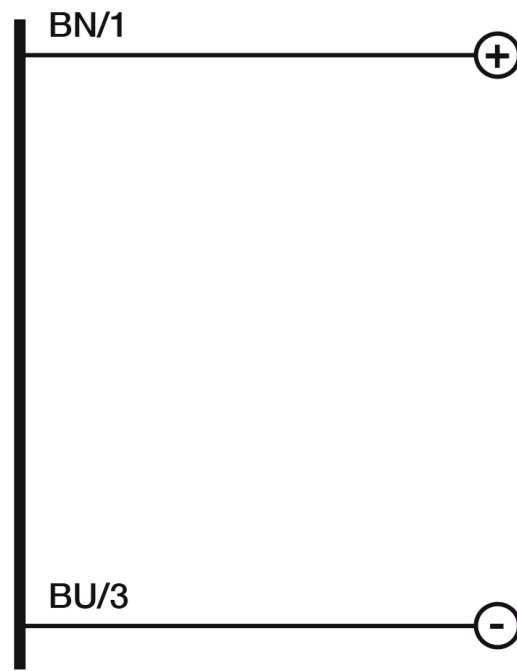
- 25°C...+ 70°C (Without freeze)

Mechanical Protection

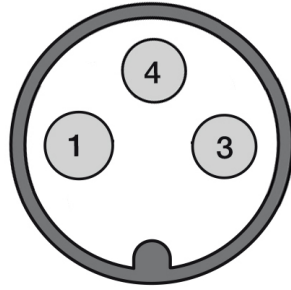
IP67

## CONNECTIONS

Electrical diagram

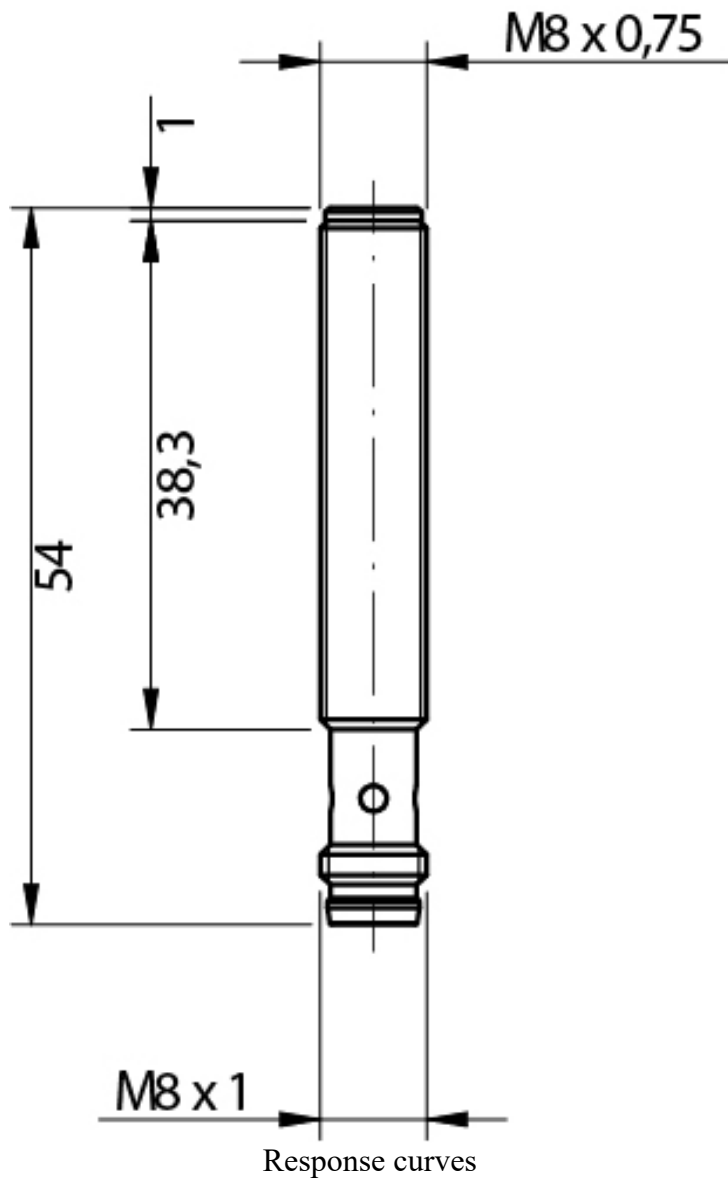


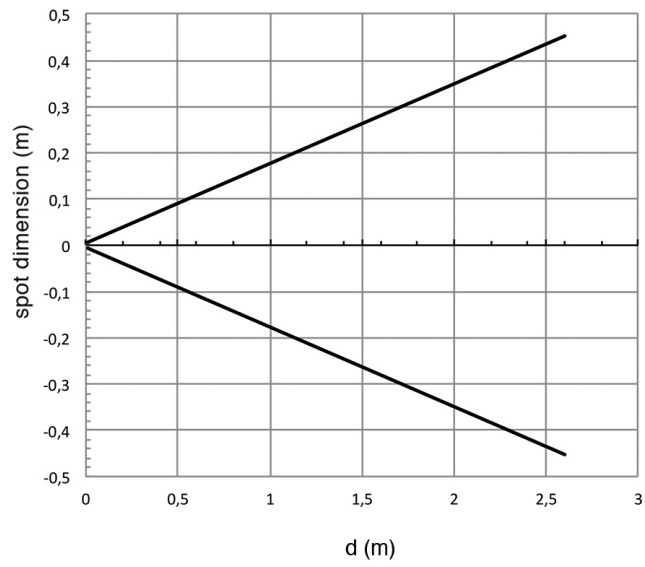
Connector



# OTHERS

Dimensions





**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**  
13/06/2026  
04:04:59