

TECHNICAL DATASHEET

DC Photoelectric Switches H8

IMO

- Through-beam minimized in M8 housing
- High switching frequency: 50 kHz
- Strong stainless steel housing
- IP67 protection degree
- Approvals: CE



Options & Ordering Codes

Series	H8	E / 1	Version
Function	H8		
Emitter	E	1	Standard version
Receiver	R		

Available models

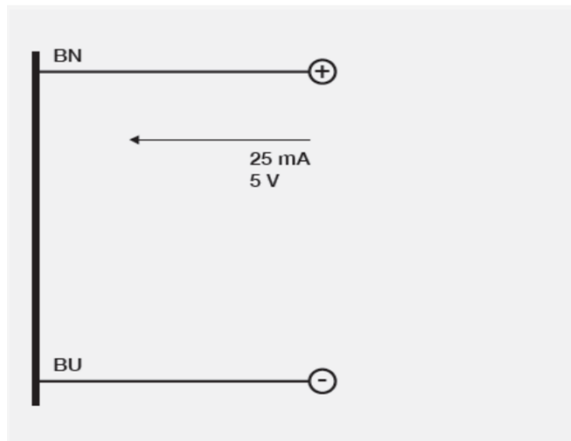
	Model	Exit	Note
Emitter	H8E/1	Cable	5 VDC - 25 mA
Receiver	H8R/1	2m	I _{max} = 50 mA P _{max} = 250 mW

Technical Specifications

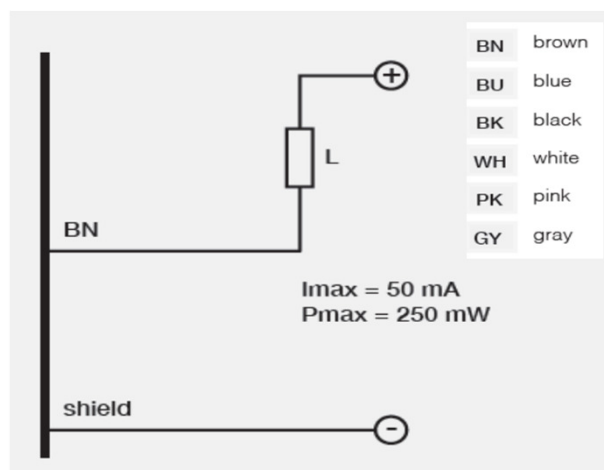
Nominal sensing distance	80 mm
Emission	infrared (880 nm)
Minimum detectable object	-
Repeatability	-
Supply voltage	5 VDC (E1),
Ripple	30 VDC max R1
No-load supply current	≤ 1 %
Load current (nominal)	≤ 2.5 mA
Load current (maximum)	≤ 50 mA, 250 mW
Leakage current	-
Voltage drop	≤ 0.2 V @ 2.5 mA
Output type	open collector
Switching frequency	50 kHz
Power on delay	-
Power supply protections	-
EMC	in conformity with the EMC Directive according to EN 60947-5-2
Output protection	-
Operating temperature range	- 25°C...+ 70°C (without freeze)
External light interference	150 lux (incandescent lamp)
Protection degree	IP67 (EN60529)
LEDs	-
Housing materials	stainless steel
Optic materials	plastic
Weight	63 g

Connection drawings

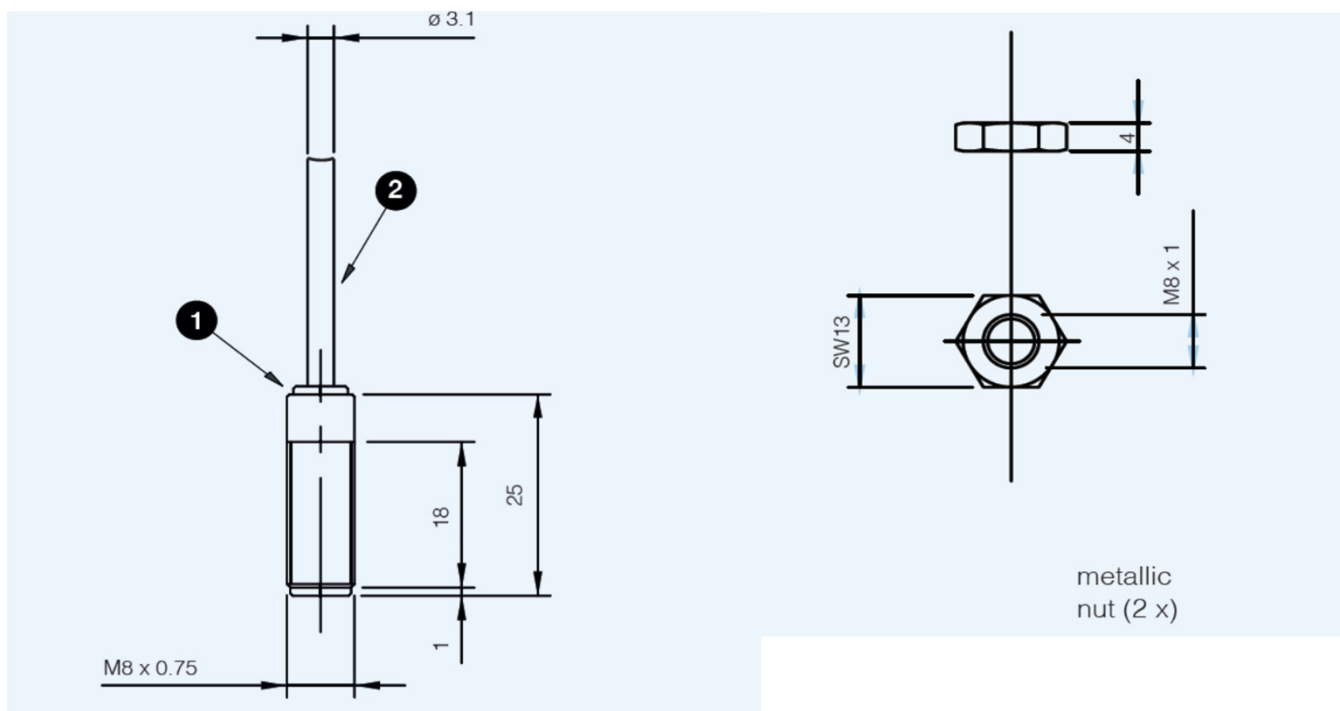
Emitter



Receiver



Dimensions (mm)



- 1 axial cable exit
- 2 Ø 3.1 mm, PVC, 2 m