



SR22 SERIES INSTRUCTION MANUAL

Slot sensor

CONTROL PANNEL

OUTPUT LED (red)

The red LED ON indicates the output activation.

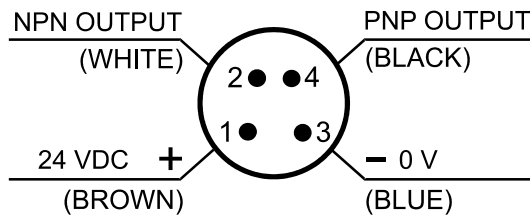
SENSITIVITY TRIMMER (ADJ.)

Mono-turn trimmer that adjusts the sensor sensitivity.

NOTE: the maximum mechanical rotation range of the trimmer is equal 270°. Avoid forcing over the maximum and minimum positions.

CONNECTIONS

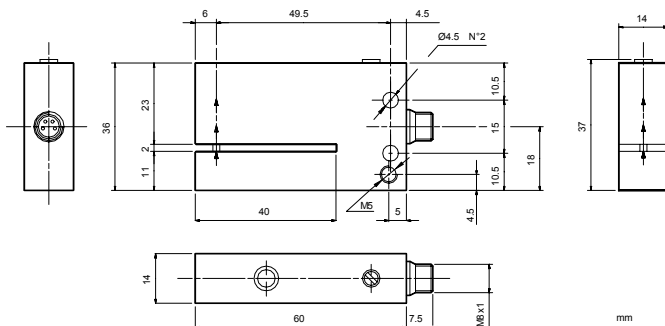
M8 connector



The sensor outputs are not protection against short-circuits and overload.

If both outputs are used contemporaneously, the output current is 100mA.

DIMENSIONS



TECHNICAL DATA

Power supply:	24 Vdc ±15%
Ripple:	2 Vpp max.
Consumption (output current excluded):	55 mA max.
Outputs:	NPN and PNP
Output current:	200 mA max. (with only one output connected to the load)
Saturation voltage:	1.2 V max @ 200 mA (values at maximum output current)
Response time:	50 µs max.
Switching frequency:	10 kHz max.
Humidity:	35 ... 85% rH non condensing
Indicators:	output LED (red)
Setting:	Mono-turn sensitivity adjustment trimmer
Operating temperature:	-10 ... +60°C
Storage temperature:	-20 ... +70°C
Emission type:	infrared 880 nm
Slot width:	2 mm
Slot depth:	40 mm
Detectable object limits:	thickness max.: 1.5 mm max. detected dimension: 1mm min.
DARK/LIGHT selection:	DARK (SR22-5-IR-OD) LIGHT (SR22-5-IR-OL)
Housing material:	aluminium
Lens material:	glass
Mechanical protection:	IP60
Connections:	M8 4-pole connector
Weight:	100 g.

DECLARATION OF CONFORMITY

We DATASENSOR S.p.A. declare under our sole responsibility that these products are conform to the 2004/108 CEE, 73/23 CEE Directives and successive amendments.

WARRANTY

DATASENSOR S.p.A. warrants its products to be free from defects.

DATASENSOR S.p.A. will repair or replace, free of charge, any product found to be defective during the warranty period of 36 months from the manufacturing date.

This warranty does not cover damage or liability deriving from the improper application of DATASENSOR products.

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