

## COST-EFFECTIVE SLOT SENSORS FOR LABEL DETECTION



- *Fast switching frequency up to 10 kHz*
- *Infrared LED light emission*
- *Trimmer for sensibility adjustment*
- *4 wire antivalent NPN and PNP outputs*
- *Compact metal housing with glass lenses*

## SR22 SERIES

The new **SR22** series of 2 mm slot sensors has been developed as the most cost-effective solution for label detection on reels.

The infrared LED emission allows to detect over even darker or thicker supports, while the low response time of only 100  $\mu$ s allows to reach a 10 kHz switching frequency in the faster labelling processes.

The label detection sensitivity is trimmer adjustable.

The compact metal housing with 40 mm slot depth fits even the most limited spaces.

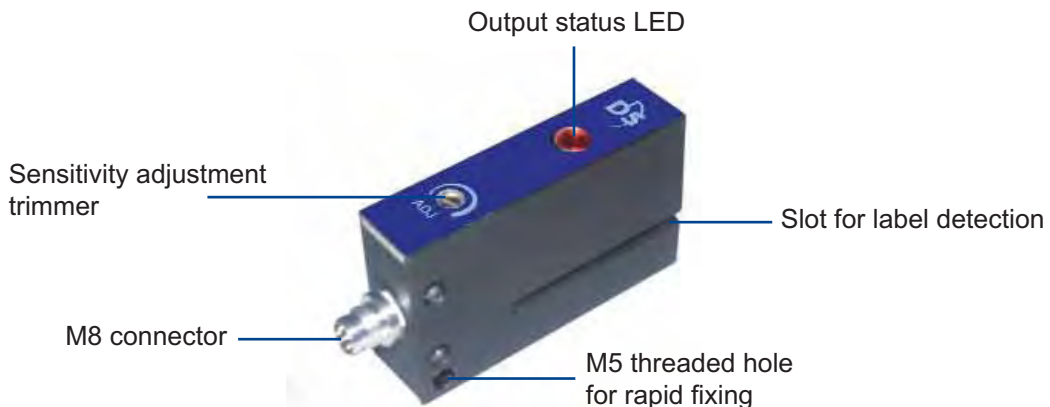
The M8 4-pole connector offers simple and fast connection.

The power supply is 24 Vdc and versions with light or dark mode, both with double NPN and PNP outputs, are available.

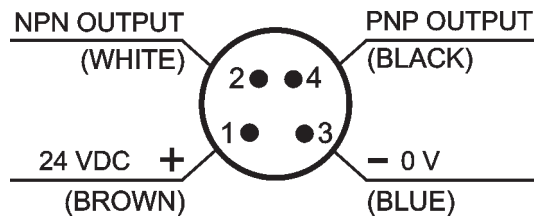


## TECHNICAL DATA

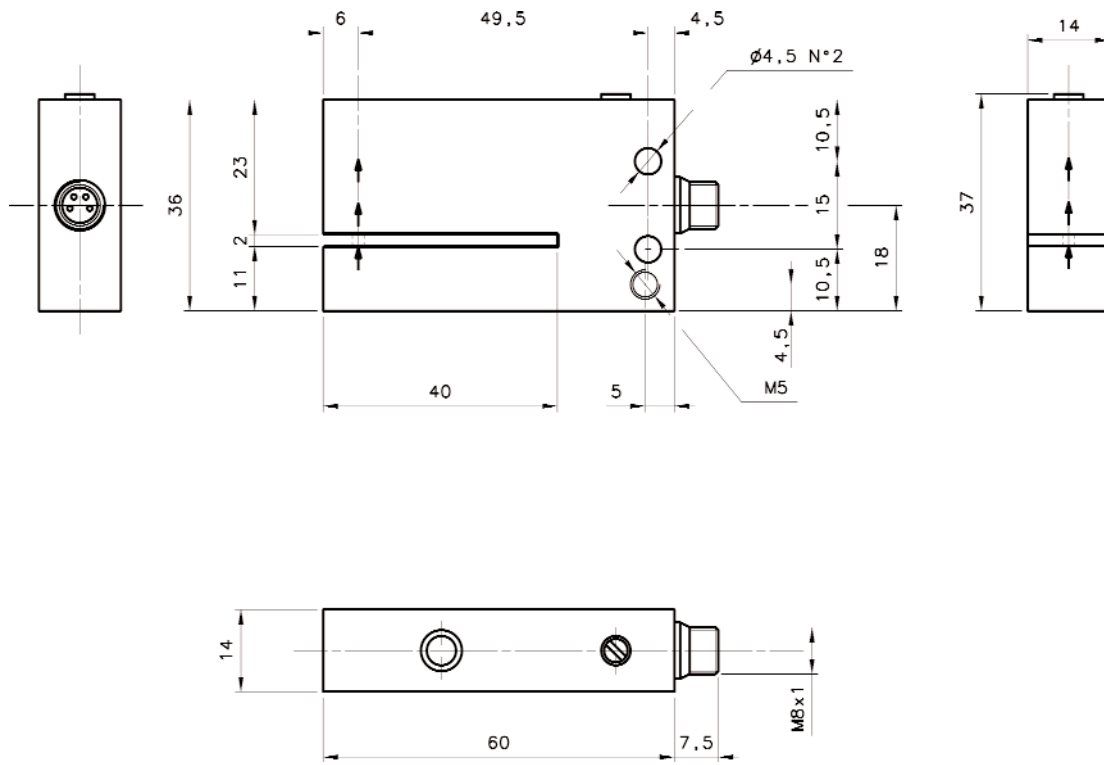
<b>Power supply:</b> .....	24 Vdc $\pm$ 15%
<b>Consumption:</b> .....	55 mA max.
<b>Light emission:</b> .....	infrared LED 880 nm
<b>Resolution:</b> .....	1 mm
<b>Slot width:</b> .....	2 mm
<b>Slot depth:</b> .....	40 mm
<b>Detection point depth:</b> .....	6 mm
<b>Setting:</b> .....	trimmer
<b>Indicators:</b> .....	red OUTPUT LED
<b>Output type:</b> .....	NPN and PNP
<b>Saturation voltage:</b> .....	2 V max.
<b>Output current:</b> .....	200 mA max.
<b>Response time:</b> .....	50 $\mu$ s max.
<b>Switching frequency:</b> .....	10 kHz
<b>Operating mode:</b> .....	dark (SR22-5-IR-OD vers.) light (SR22-5-IR-OL vers.)
<b>Connection:</b> .....	M8 4-pole connector
<b>Electrical protection:</b> .....	class 1
<b>Mechanical protection:</b> .....	IP60
<b>Housing material:</b> .....	aluminium
<b>Lens material:</b> .....	glass
<b>Weight:</b> .....	100 g max.
<b>Operating temperature:</b> .....	-10 ... +60°C
<b>Storage temperature:</b> .....	-20 ... +70°C
<b>Reference standard:</b> .....	EN 60947-5-2
<b>Certifications:</b> .....	<b>CE</b>



## CONNECTIONS



## DIMENSIONS



mm



## MODEL SELECTION AND ORDER INFORMATION

MODEL	DETECTION MODE*	ORDER N°
SR22-5-IR-OD	dark	953101000
SR22-5-IR-OL	light	953101010

\* *In the dark detection mode the output is activated when the label enters in the detection point inside the sensor slot.  
In the light detection mode, the output is activated when the label is outside the detection point inside the sensor slot.*

SLOT SENSORS

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