



## SR31 SERIES INSTRUCTION MANUAL

### MODELS SELECTION TABLE

TYPE	CONNECTION	OUTPUT
SR31	cable	NPN and PNP
SR31-0	M8 connector	NPN
SR31-1	M8 connector	PNP

### TECHNICAL DATA

Power supply:	10 ... 30 Vdc (reverse polarity protection)
Ripple:	2 Vpp max.
Current consumption:	50 mA max.
Output:	NPN or PNP (connectore vers.) NPN and PNP (cable vers.)
Load current:	200 mA max.
Saturation voltage:	0.8 V max. (NPN output) 2 V max. (PNP output)
Response time:	50 $\mu$ s max.
Switching frequency:	10 KHz max. (dark/light ratio1:1)
Indicators:	RED output LED
Setting:	multi-turn sensitivity trimmer
Operating temperature:	-10 ... +60 °C
Storage temperature:	-20 ... +70 °C
Humidity:	35 ... 85% RH (non condensing)
Emission type:	Infrared LED 950nm

Ambient light rejection:	EN 60947-5-2
Vibration:	amplitude 0.5 mm, 10 ... 55 Hz frequency, for every axis (EN60068-2-6)
Shock resistance:	11 ms (30 G) 6 shock for every axis (EN60068-2-27)
LIGHT/DARK selection:	Standard (by red wire)
Slot width:	30 mm
Material width:	25 mm max.
Detection width:	2 mm min.
Housing:	ZAMA
Lenses:	Glass
Protection class:	IP60
Connections:	2m cable $\varnothing$ 5 mm; 4-pole M8 connector
Dimensions:	70x50x13.5 mm
Weight:	100 g.

826110007 Rev. H



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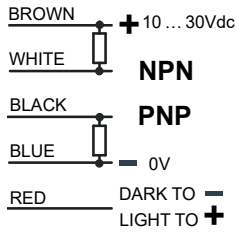
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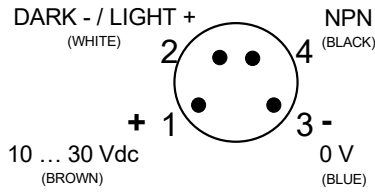
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## SR31 WIRING CONNECTIONS

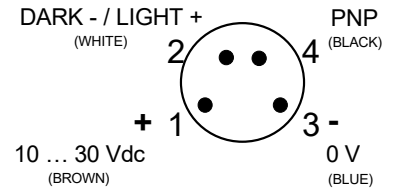
### SR31 CABLE VERSION



### SR31-0 M8 CONNECTOR



### SR31-1 M8 CONNECTOR



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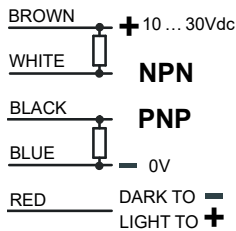
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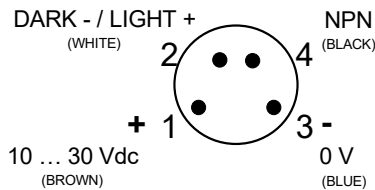
The warranty period for this product is 36 months. See General Terms and Conditions of Sales for further details.

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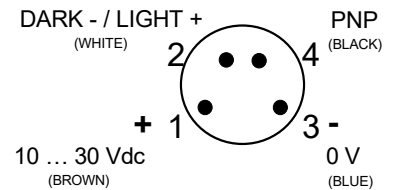
### SR31 CABLE VERSION



### SR31-0 M8 CONNECTOR



### SR31-1 M8 CONNECTOR



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