OIDOJATACO

SR31 SERIES

The **SR31** series is composed of fork sensors with infrared LED emission, distinguished by an elevated 10kHz switching frequency and by a sturdy and compact metal housing.

The detection sensitivity is adjusted by means of a trimmer. The dark/light operating mode is configured according to the connection.

The series includes M8 connector versions with NPN output, or PNP output; cable versions present both NPN/PNP outputs.

The **SR31** sensors have e 30 mm wide and 42 mm deep fork These sensors are suitable for detecting opaque labels on a transparent support, to control material presence and continuity, to detect synchronism pulses on toothed or holed wheels, or as on-off edge guide.





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APPLICATIONS



HIGHLIGHTS

- Infrared LED emission
- Sensitivity trimmer adjustment
- Elevated switching frequency
- Metal housing with wide fork

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TECHNICAL DATA

Power supply	1030 Vdc, reverse polarity protection		
Consumption	50 mA max.		
Light emission	infrared LED 880 nm		
Resolution	2 mm		
Fork width	30 mm		
Fork depth	42 mm		
Detection point depth	12 mm		
Setting	multi-turn sensitivity trimmer		
Indicators	red OUTPUT LED		
Output type	NPN or PNP (connector vers.) NPN and PNP (cable vers.) Rpull-down/up 10 kW		
Saturation voltage	0.8 V max. (NPN vers.) 2 V max. (PNP vers.)		
Output current	200 mA max.,		
Response time	50 µ s max.		
Switching frequency	10 kHz max.		
Operating mode	dark/light configurable		
Connection	4-pole M8 connector 2 m Ø 5 mm cable		
Electrical protection	class 1		
Mechanical protection	IP60		
Housing material	ZAMA		
Lens material	glass		
Weight	100 g max.		
Operating temperature	-10+60°C		
Storage temperature	-20+70°C		
Reference standard	EN 60947-5-2		
Certifications	CE		



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CONNECTIONS



DIMENSIONS



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MODEL SELECTION AND ORDER INFORMATION

MODEL	CONNECTION	OUTPUT	CODE N"
SR31	cable	NPN/PNP	5970830000
SR31-0	M8 connector	NPN	S970830101
SR31-1	M8 connector	PNP	5970830201

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