



COMPACT CATALOG

KOMPAKTKATALOG

- ◆ LED INDICATORS
LED-ANZEIGEN
- ◆ ELECTRONIC BUTTONS
ELEKTRONISCHE TASTER
- ◆ PHOTOELECTRIC SENSORS
OPTISCHE SENSOREN
- ◆ INDUCTIVE PROXIMITY SWITCHES
INDUKTIVE NÄHERUNGSSCHALTER
- ◆ CAPACITIVE PROXIMITY SWITCHES
KAPAZITIVE NÄHERUNGSSCHALTER

Ring Sensors — inductive, capacitive, and photoelectric

Ringsensoren — induktive, kapazitive und optische

- ▶ Inductive ring sensors to detect metal parts
Induktive Ringsensoren zur Erkennung von Metallteilen
- ▶ Capacitive sensors to detect liquids in tubes
Kapazitive Sensoren zur Erkennung von Flüssigkeiten in Schläuchen
- ▶ Optical ring sensors to detect metallic or non-metallic parts
Optische Ringsensoren für die Erkennung von metallischen oder nicht-metallischen Teilen
- ▶ Versions with impulse lengthening are available
Ausführungen mit Impulsverlängerung erhältlich



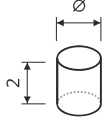
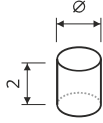
Technical data (typ.)

Supply voltage	10...30 V _{DC}
Reverse polarity protection	built-in
Current load capability	200 mA
Short circuit protection	built-in, self-resetting
Voltage drop	<1.5 V @ 200 mA
Inductive, Capacitive	
Housing material	PBT
Ring material	PA 6.6
Current consumption	<10 mA
Photoelectric	
Housing material	Zinc die-cast, black painted
Ring material	PMMA
Current consumption	<50 mA
Switching indicator	LED, yellow
Operating temperature	-20...+70 °C -4...+158 °F
IP code	IP67

Technische Daten (typ.)

Versorgungsspannung	10...30 V _{DC}
Verpolungsschutz	integriert
Ausgangsbelaubarkeit	200 mA
Kurzschlusschutz	integriert, selbstrückstellend
Spannungsabfall	<1,5 V @ 200 mA
Induktiv, Kapazitiv	
Gehäusematerial	PBT
Ringmaterial	PA 6.6
Eigenstromaufnahme	<10 mA
Optisch	
Gehäusematerial	Zinkdruckguss, schwarz lackiert
Ringmaterial	PMMA
Eigenstromaufnahme	<50 mA
Schaltanzeige	LED, gelb
Betriebstemperatur	-20...+70 °C
Schutzart	IP67



	Resolution Auflösung	Max. object speed Max. Objektgeschw.	Impulse lengthening Impulsverlängerung	Inner diameter Innendurchmesser	Evaluation Auswertung	Connection Anschluss	Order code Bestellnummer
Inductive	>0.5 mm \varnothing	 35 m/s	0.1...150 ms adjustable einstellbar	\varnothing 6.1 mm	Static	Connector M12, straight	IR06S-PS150-A12
						Connector M12, angled	IR06S-PS150-RA12
					Dynamic	Connector M12, straight	IR06D-PS150-A12
						Connector M12, angled	IR06D-PS150-RA12
	>0.6 mm \varnothing			Static	\varnothing 10.1 mm	Connector M12, straight	IR10S-PS150-A12
						Connector M12, angled	IR10S-PS150-RA12
				Dynamic	Connector M12, straight	IR10D-PS150-A12	
					Connector M12, angled	IR10D-PS150-RA12	
	>0.8 mm \varnothing			Static	\varnothing 15.1 mm	Connector M12, straight	IR15S-PS150-A12
						Connector M12, angled	IR15S-PS150-RA12
				Dynamic		Connector M12, straight	IR15D-PS150-A12
						Connector M12, angled	IR15D-PS150-RA12
>1.0 mm \varnothing	Static	\varnothing 21.1 mm	Connector M12, straight	IR21S-PS150-A12			
			Connector M12, angled	IR21S-PS150-RA12			
	Dynamic		Connector M12, straight	IR21D-PS150-A12			
			Connector M12, angled	IR21D-PS150-RA12			
capacitive	Depends on permittivity ϵ_r Abhängig von Permittivität ϵ_r	Static	None Keine	\varnothing 6.1 mm	Static	Connector M12, straight	CR06S-PO-A12
						Connector M12, angled	CR06S-PO-RA12
				\varnothing 10.1 mm		Connector M12, straight	CR10S-PO-A12
						Connector M12, angled	CR10S-PO-RA12
				\varnothing 15.1 mm		Connector M12, straight	CR15S-PO-A12
						Connector M12, angled	CR15S-PO-RA12
				\varnothing 21.1 mm		Connector M12, straight	CR21S-PO-A12
						Connector M12, angled	CR21S-PO-RA12
Photoelectric	>1.0 mm \varnothing in the center im Zentrum	 30 m/s	0.1...20 ms selectable wählbar	\varnothing 6.1 mm	Static	Connector M8	OR06S-PS20-A8
					Dynamic	Connector M8	IR06D-PS20-A8
				\varnothing 10.1 mm	Static	Connector M8	OR10S-PS20-A8
					Dynamic	Connector M8	IR10D-PS20-A8
				\varnothing 15.1 mm	Static	Connector M8	OR15S-PS20-A8
					Dynamic	Connector M8	IR15D-PS20-A8
				\varnothing 20.1 mm	Static	Connector M8	OR20S-PS20-A8
					Dynamic	Connector M8	IR20D-PS20-A8
				\varnothing 25.1 mm	Static	Connector M8	OR25S-PS20-A8
					Dynamic	Connector M8	IR25D-PS20-A8
				\varnothing 20.1 mm	Static	Connector M8	OR30S-PS20-A8
					Dynamic	Connector M8	IR30D-PS20-A8

Order codes are valid for PNP, NO (PO) or PNP, NO \leftrightarrow NC (PS) configuration. All devices also available in NPN configuration.
Bestellnummern gelten für PNP, NO (PO) oder PNP, NO \leftrightarrow NC (PS) Konfiguration. Alle Geräte auch erhältlich mit NPN Konfiguration.



XECRO GmbH

Siemensstr. 31 · 30827 Garbsen · Germany

sales@xecro.com · <http://xecro.com>

