

Retro-reflective sensor SOOD-RS-R-PN

Part number: 8075657

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Design	Block design
Conforms to standard	EN 60947-5-2
Symbol	00995959
Certification	RCM compliance mark c UL us - recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Certificate issuing authority	UL E232949
Note on materials	RoHS compliant
Measuring principle	Optoelectronic
Detection method	Reflection light barrier
Type of light	Red LED
Max. light spot	60 mm at 800 mm
Working range	0 mm ... 1000 mm
Distance sensor Reflector	Ø 40 ... 1000 SARA-R-Q50-S Ø 100 ... 1200 SARA-R-Q50-MC Ø 100 ... 800 SARA-RF-Q100-S Ø 100 ... 2000 SARA-RF-Q100-MC Ø 40 ... 1000 SARA-R-Q20-S Ø 100 ... 800 SARA-R-Q20-MC Ø 100 ... 500 SARA-R-Q14-M Ø 100 ... 800 SARA-R-D20-M
Ambient temperature	-25 °C ... 60 °C
Reference material	Reference reflector: SARA-R-Q50-S
Switching output	Push-pull
Switching element function	PNP, dark-switching NPN, light-switching
Max. switching frequency	800 Hz
Max. output current	50 mA
Voltage drop	0 V ... 1.5 V
Short-circuit protection	Pulsed
DC operating voltage range	10 V ... 30 V
Residual ripple	10%
Idle current	10 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104

Feature	Value
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw-type lock with AF 9
Electrical connection for input 1, connection pattern	00991155
Material of pin contacts	Gold-plated brass
Cable length	0.15 m
Cable characteristic	Standard
Material of cable sheath	TPE-U(PUR)
Type of mounting	With through-hole
Tightening torque	0.5 Nm
Mounting position	Any
Product weight	10 g
Housing material	PC TPE-U(PU)
Ready status indication	Green LED
Switching status indication	Yellow LED
Function reserve indication	Yellow LED, flashing
Degree of protection	IP65 IP67
Insulation voltage	500 V
Surge resistance	1 kV
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 Zone III
Contamination level	3