

# Retro-reflective sensor SOOD-RS-L-PN

Part number: 8075662

FESTO



## Data sheet

Feature	Value
Design	Block design
Conforms to standard	EN 60947-5-2
Authorization	RCM Mark c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Certificate issuing department	UL E232949
Materials note	Conforms to RoHS
Measuring principle	Optoelectronic
Detection method	Retro-reflective sensor
Type of light	Laser Red
Max. spot diameter	35 mm at 2000 mm
Working range	0 ... 2,000 mm
Ambient temperature	-20 ... 60 °C
Reference material	Reference reflector
Switch output	Push-pull
Switching element function	PNP, dark switching NPN, light switching
Max. switching frequency	2,000 Hz
Max. output current	50 mA
Voltage drop	0 ... 1.5 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	10 mA
Polarity protected	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1, A-coded to EN 61076-2-104
Electrical connection 1, number of pins/wires	3
Electrical connection 1, type of mounting	Screw lock
Material electrical contact	Brass, gold-plated
Cable length	150 mm
Cable attribute	Standard
Material cable sheath	TPE-U(PUR)
Mounting type	with through hole
Tightening torque	0.5 Nm
Assembly position	Any
Product weight	10 g
Material housing	ABS PC TPE-U(PU)
Ready status display	Green LED
Operating status display	Yellow LED

Feature	Value
Operating reserve display	Flashing yellow LED
Protection class	IP65 IP67
Insulation voltage	500 V
Surge strength	1 kV
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364 zone III
Laser protection class	1
Degree of contamination	3