

# Retro-reflective sensor SOEL-RSP-Q50-PA-S-3L

Part number: 537767  
Product to be discontinued

FESTO

With polarized light, block design

Type to be discontinued. Available until 2020. See Support Portal for alternative products.



## Data sheet

Feature	Value
Design	Block design
Conforms to standard	EN 60947-5-2
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Materials note	Free of copper and PTFE
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Retro-reflective sensor
Type of light	Pulsed laser Red, 650 nm
Max. spot diameter	15 mm with a sensing range of 8 m
Working range	0 ... 20,000 mm
Ambient temperature	-20 ... 45 °C
Reference material	Reflector, 84 mm dia.
Switch output	PNP
Switching element function	Antivalent
Max. switching frequency	2,500 Hz
Max. output current	200 mA
Voltage drop	≤ 2.4 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	40 mA
Polarity protected	for all electrical connections
Electrical connection	Plug M12x1 4-pin
Size	50x50x17 mm
Mounting type	with through hole
Product weight	32 g
Material housing	ABS
Ready status display	Green LED
Operating status display	Yellow LED
Operating reserve display	Red LED (off)
Setting options	Potentiometer
Setting range lower limit	0 mm
Upper limit of adjustment range	20,000 mm
Ambient temperature with flexible cable installation	-5 ... 45 °C
Protection class	IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress
Laser protection class	1