

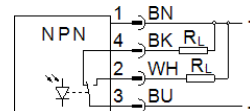
# retro-reflective sensor SOEG-RSP-Q50-NA-S-3L

Part number: 537766  
Product to be discontinued

FESTO

With polarised 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
Authorisation	RCM Mark c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Materials note	Free of copper and PTFE
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Retro-reflective sensor
Type of light	Red, polarised
Working range	0 ... 5,500 mm
Ambient temperature	-20 ... 60 °C
Reference material	Reflector, 84 mm dia.
Switch output	NPN
Switching element function	Antivalent
Max. switching frequency	1,000 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	30 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	5,500 mm
Ambient temperature with flexible cable installation	-5 ... 60 °C
Protection class	IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress