

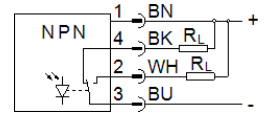
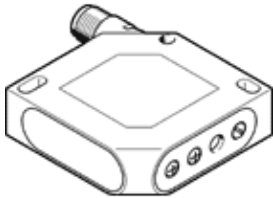
Retro-reflective sensor SOEL-RSP-Q50-NA-S-3L

Part number: 537768
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	NPN
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