distance sensor
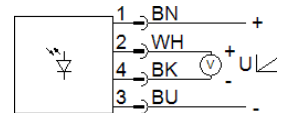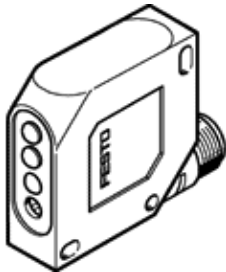# SOEL-RTD-Q50-PU-S-2L-40

Part number: 549316
Product to be discontinued

For distance measurement, block design

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

FESTO

Data sheet

Feature	Value
Design	Block design
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	Travel
Measuring principle	Optoelectronic
Measurement method	Distance sensor
Type of light	Laser
	Red
Max. spot diameter	‹0,8 mm
Working range	44 … 84 mm
Distance measuring range	40 mm
Ambient temperature	0 … 45 °C
Reference material	18 %
Travel resolution	0.02 mm
Analogue output	0 - 10 V
Linearity error, FS	‹ 1.2 %
Max. load current at analogue voltage output	3 mA
Short circuit strength	Pulsing
Operating voltage range DC	18 … 28 V
Residual ripple	10%
Idle current	35 mA
Polarity protected	for operating voltage
Electrical connection	Plug
	M12x1
	4-pin
Size	50x50x17 mm
Mounting type	with through hole
Product weight	33 g
Material housing	ABS
Ready status display	Green LED
Operating reserve display	Red LED (off)
Protection class	IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress
Laser protection class	1