

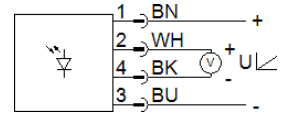
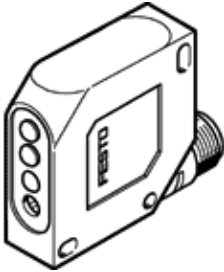
# Distance sensor SOEL-RTD-Q50-PU-S-2L-20

Part number: 549315  
Product to be discontinued

FESTO

[For distance measurement, block design](#)

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



## Data sheet

Feature	Value
Design	Block design
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	Travel
Measuring principle	Optoelectronic
Measurement method	Distance sensor
Type of light	Laser Red
Max. spot diameter	<0,8 mm
Working range	38 ... 58 mm
Distance measuring range	20 mm
Ambient temperature	0 ... 45 °C
Reference material	18 %
Travel resolution	0.007 mm
Analog output	0 - 10 V
Linearity error, FS	< 1.2 %
Max. load current at analog 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