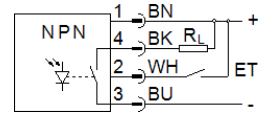
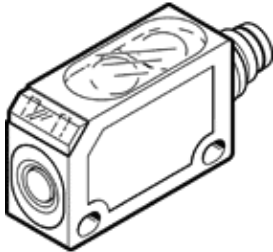


# Diffuse light sensor SOEG-RTH-Q20-NP-S-2L-TI

Part number: 537725  
Product to be discontinued

FESTO

With background suppression, 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	Diffuse reflection sensor with background suppression
Type of light	Red
Max. spot diameter	5 x 5 mm with a sensing range of 60 mm
Working range	25 ... 100 mm
Ambient temperature	-20 ... 60 °C
Max. grey tone shift	7 %
Reference material	18 %
Switch output	NPN
Switching element function	Switchable
Max. switching frequency	1,000 Hz
Max. output current	100 mA
Voltage drop	≤ 2.4 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 30 V
Residual ripple	10 %
Idle current	35 mA
Polarity protected	for all electrical connections
Electrical connection	Plug M8x1 4-pin
Size	20x32x12 mm
Mounting type	with through hole
Product weight	7 g
Material housing	ABS
Operating status display	Yellow LED
Operating reserve display	Green LED
Setting options	Teach-In Teach-in via electrical connection
Setting range lower limit	25 mm
Upper limit of adjustment range	100 mm
Ambient temperature with flexible cable installation	-5 ... 60 °C
Protection class	IP67
Corrosion resistance classification CRC	2 - Moderate corrosion stress