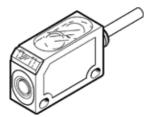
## Diffuse light sensor SOEG-RTH-Q20-PP-K-2L-TI Part number: 537724 Product to be discontinued

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	PNP
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	Cable
	4-core
Cable length	2 m
Material cable sheath	TPE-U(PUR)
Size	20x32x12 mm
Mounting type	with through hole
Product weight	36 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	4 - Very high corrosion stress

## **FESTO**

