

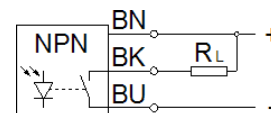
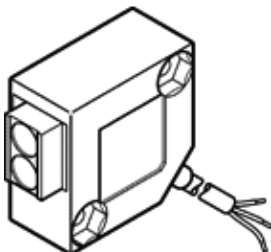
# diffuse sensor SOEG-RTH-Q30-NS-K-2L

Part number: 537721  
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
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	Position
Measuring principle	Optoelectronic
Measurement method	Diffuse reflection sensor with background suppression
Type of light	Red
Working range	15 ... 150 mm
Ambient temperature	-25 ... 55 °C
Switch output	NPN
Switching element function	Light switching
Max. switching frequency	500 Hz
Max. output current	200 mA
Voltage drop	≤ 2 V
Short circuit strength	Pulsing
Operating voltage range DC	10 ... 36 V
Residual ripple	20 %
Idle current	25 mA
Polarity protected	for all electrical connections
Electrical connection	Cable 3-core
Cable length	2.5 m
Material cable sheath	TPE-U(PUR)
Size	30x30x15 mm
Mounting type	with through hole
Product weight	75 g
Material housing	PBTP
Operating status display	Yellow LED
Operating reserve display	Green LED
Setting options	Potentiometer
Setting range lower limit	15 mm
Upper limit of adjustment range	150 mm
Ambient temperature with flexible cable installation	-5 ... 55 °C
Protection class	IP65
Corrosion resistance classification CRC	2 - Moderate corrosion stress