colour sensor
SOEC-RT-Q50-PS-S-7L

Part number: 538236
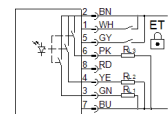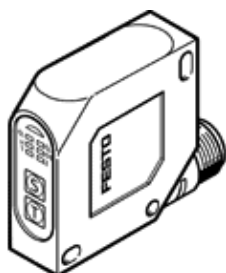
Block design

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
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
	To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Position
Measuring principle	Optoelectronic
Measurement method	Colour sensor
Type of light	white
Max. spot diameter	4 mm diameter with a sensing range of 22 mm
Working range	12 ... 32 mm
Ambient temperature	-10 ... 55 °C
Switch output	PNP
Switching element function	Light switching
Max. switching frequency	500 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	40 mA
Polarity protected	for all electrical connections
Electrical connection	8-pin
	M12x1
	Plug
Size	50x50x17 mm
Mounting type	with through hole
Product weight	38 g
Material housing	ABS
Ready status display	Green LED
Operating status display	LED
Setting options	Teach-In
	Teach-in via electrical connection
Setting range lower limit	12 mm
Upper limit of adjustment range	32 mm
Ambient temperature with flexible cable installation	-5 ... 55 °C
Protection class	IP67
Corrosion resistance classification CRC	4 - Very high corrosion stress
PWIS conformity	VDMA24364-B2-L