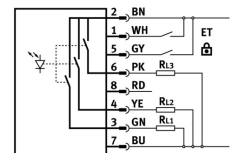


Colour sensor SOEC-RT-Q50-PS-S-7L

Part number: 538236

FESTO



[PDF General operating condition](#)

Data sheet

| Feature | Value |
|--------------------------------------------|-------------------------------------------------------------|
| Design | Block design |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991617 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| CE marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Note on materials | RoHS-compliant |
| Measured variable | Position |
| Measuring principle | Optoelectronic |
| Measurement method | Colour sensor |
| Type of light | White |
| Max. light spot | Ø 4 mm at a sensing range of 22 mm |
| Operating distance | 12 mm ... 32 mm |
| Ambient temperature | -10 °C ... 55 °C |
| Switching output | PNP |
| Switching element function | Light switching |
| Max. switching frequency | 500 Hz |
| Max. output current | 100 mA |
| Voltage drop | ≤2.4 V |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V ... 30 V |
| Residual ripple | 10 % |
| No-load supply current | 40 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | 8-pin M12x1 Plugs |
| Size | 50x50x17 mm |
| Type of mounting | With through-hole |
| Product weight | 38 g |
| Material housing | ABS |
| Ready status indication | Green LED |
| Switching status indication | LED |

| Feature | Value |
|---------------------------------------|------------------------------------------------|
| Setting options | Teach-in Teach-in via electrical connection |
| Setting range lower limit | 12 mm |
| Setting range upper limit | 32 mm |
| Ambient temperature with moving cable | -5 °C ... 55 °C |
| Degree of protection | IP67 |
| Corrosion resistance class CRC | 4 - Very high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |