

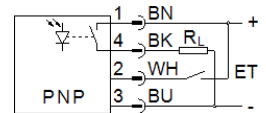
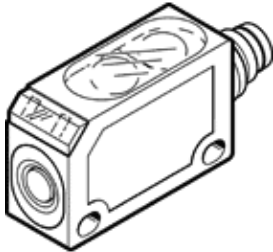
Diffuse light sensor SOEL-RT-Q20-PP-S-2L-TI

Part number: 537735
Product to be discontinued

FESTO

[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 |
| Type of light | Laser Red |
| Max. spot diameter | 0.7 mm in focus |
| Working range | 40 ... 150 mm |
| Ambient temperature | -20 ... 60 °C |
| Switch output | PNP |
| Switching element function | Switchable |
| Max. switching frequency | 4,000 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 | 25 mA |
| Polarity protected | for all electrical connections |
| Electrical connection | Plug M8x1 4-pin |
| Size | 20x32x12 mm |
| Mounting type | with through hole |
| Product weight | 8 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 | 10 mm |
| Upper limit of adjustment range | 150 mm |
| Ambient temperature with flexible cable installation | -5 ... 60 °C |
| Protection class | IP67 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Laser protection class | 2 |