

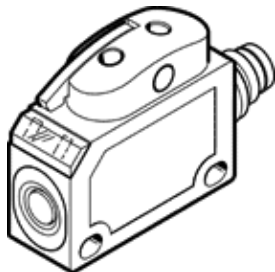
# fibre-optic unit SOEG-L-Q20-PP-S-2L-TI

Part number: 537739  
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                                                                                                                     |
| Authorisation                                        | RCM Mark<br>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                                   | Fibre-optic unit                                                                                                                 |
| Type of light                                        | Red                                                                                                                              |
| Working range                                        | 0 ... 250 mm                                                                                                                     |
| Ambient temperature                                  | 0 ... 60 °C                                                                                                                      |
| 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                                         | 25 mA                                                                                                                            |
| Polarity protected                                   | for all electrical connections                                                                                                   |
| Electrical connection                                | Plug<br>M8x1<br>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<br>Teach-in via electrical connection                                                                                   |
| Setting range lower limit                            | 0 mm                                                                                                                             |
| Upper limit of adjustment range                      | 100 ... 250 mm                                                                                                                   |
| Setting range upper limit depends upon fibre-optics  | 100 mm for SOEZ-LLG-RT-0,5-M6<br>100 mm for SOEZ-LLK-RT-2,0-M6<br>150 mm for SOEZ-LLG-SE-0,5-M4<br>250 mm for SOEZ-LLK-SE-2,0-M4 |
| Ambient temperature with flexible cable installation | 0 ... 60 °C                                                                                                                      |
| Protection class                                     | IP67                                                                                                                             |
| Corrosion resistance classification CRC              | 2 - Moderate corrosion stress                                                                                                    |