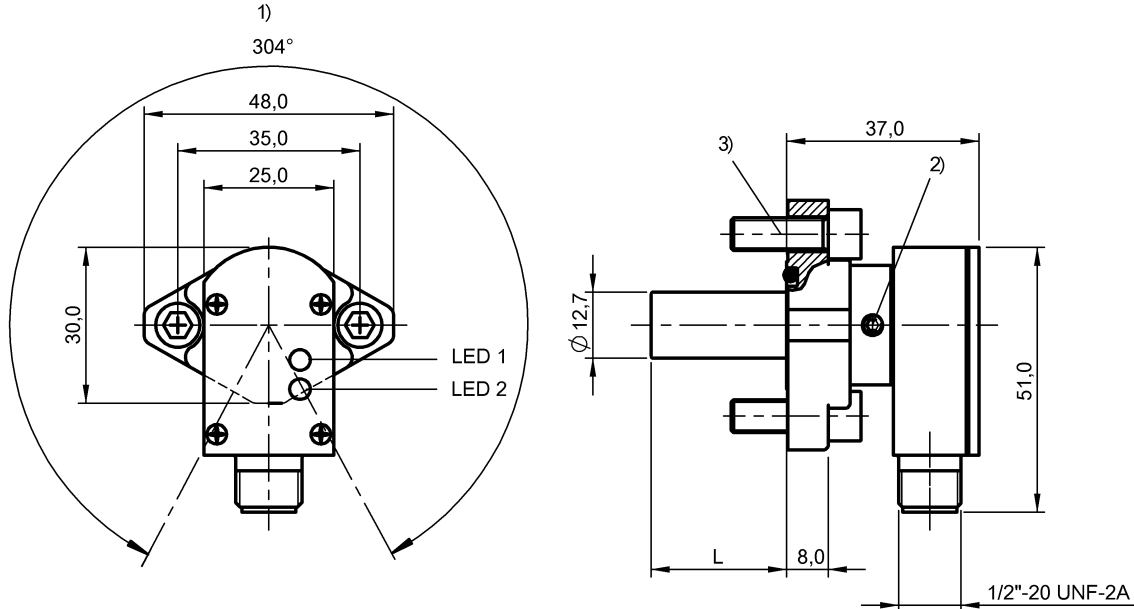


## BES 516-200-S2/1.025"-S21 BHS0005



1) Housing rotatable 304° 2) Tightening torque 1...1.5 Nm 3) Tightening torque 16.5 Nm



### Display/Operation

|                    |     |
|--------------------|-----|
| Function indicator | yes |
| Power indicator    | yes |

### Electrical connection

|                             |                          |
|-----------------------------|--------------------------|
| Connection                  | 1/2"-20 UNF-2A-Connector |
| Polarity reversal protected | yes                      |
| Short-circuit protection    | yes                      |

### Electrical data

|                                             |                           |
|---------------------------------------------|---------------------------|
| Hysteresis H max. (% of Sr)                 | 15.0 %                    |
| Magnetic field strength, interference field | 100 kA/m                  |
| Operating voltage $U_b$                     | 20...250 VDC/20...250 VAC |
| Pollution degree                            | 3                         |
| Rated insulation voltage $U_i$              | 250 V AC                  |
| Rated operating current $I_e$ DC            | 500 mA                    |
| Rated operating voltage $U_e$ AC            | 110 V                     |
| Rated short circuit current                 | 100 A                     |
| Ready delay $t_v$ max.                      | 200 ms                    |
| Repeat accuracy max. (% of Sr)              | 5.0 %                     |
| Residual current $I_r$ max.                 | 1700 $\mu$ A              |

|                          |                  |
|--------------------------|------------------|
| Switching frequency      | 50 Hz            |
| Utilization category     | AC-140<br>DC -13 |
| Voltage drop static max. | 6 V              |

### Environmental conditions

|                           |                               |
|---------------------------|-------------------------------|
| Ambient temperature       | -25...70 °C                   |
| Magnetic field immune     | magnetic field immune (AC/DC) |
| Protection class          | I                             |
| Protection type IEC 60529 | IP67                          |

### General data

|                     |                                                                    |
|---------------------|--------------------------------------------------------------------|
| Approval/Conformity | CE<br>cULus<br>EAC                                                 |
| Basic standard      | IEC 60947-5-2                                                      |
| Scope of delivery   | O-ring Ø17.13x2.62<br>Allen wrench UNC 1/4"-<br>20x3/4"- 12.9 (2x) |
| Trademark           | Strokemaster                                                       |

### Material

|                  |        |
|------------------|--------|
| Gasket, material | FPM 90 |
|------------------|--------|

## BES 516-200-S2/1.025"-S21 BHS0005

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Housing material         | Stainless steel (1.4104)<br>Zinc, Die casting |
| Material sensing surface | Ceramic                                       |
| Surface protection       | nickel plates                                 |

### Mechanical data

|                           |                      |
|---------------------------|----------------------|
| Dimension                 | 64.2 x 48 x 26.04 mm |
| Installation              | for flush mounting   |
| Length, tolerance         | ±0.005 in            |
| Pressure rating max.      | 207 bar              |
| Pressure rating, note     | oil pressure rated   |
| Sealing ring, part number | 116143               |
| Sealing ring, size        | 17.13 x 2.62 mm      |
| Size                      | D12.7                |

### Range/Distance

|                                  |        |
|----------------------------------|--------|
| Assured operating distance Sa    | 1.6 mm |
| Range                            | 2 mm   |
| Rated operating distance Sn      | 2 mm   |
| Temperature drift max. (% of Sr) | 10 %   |

### Remarks

Leakage current  $I_r$  max. at rated operating voltage  $U_e$  AC 110 V  
 LED 1: Operating voltage  
 LED 2: Function  
 Flashing LED indicates overload. Once the overload has been eliminated, interrupt operating voltage  $V_s$  for approx. 2 sec.  
 To meet the UL requirements, the device should be used together with an external connection cable (type CYJV/7) min. temp. 95°C.

### Connector view



### Wiring Diagram

