

## RF 19 - Tactile switch, 2 LED spot-illumination, gold contacts

### 3.14.001.081/0000



#### General information

|                      |              |
|----------------------|--------------|
| Color of lens        | opaque white |
| Recommended key grid | 23 mm        |

#### Dimensions

|                |          |
|----------------|----------|
| Length         | 19.05 mm |
| Width          | 19.05 mm |
| Overall height | 9.7 mm   |

#### Mechanical design

|                     |                         |
|---------------------|-------------------------|
| Mounting            | soldering in PCB        |
| Terminals           | THT                     |
| Contact system      | snap-action contact     |
| Contact arrangement | 1 NO                    |
| Contact materials   | Au/Ag                   |
| Illumination        | spot illumination 2 LED |
| LED color           | red                     |
| LED type            | 3 mm                    |

#### Mechanical characteristics

|                      |                               |
|----------------------|-------------------------------|
| Operating force max. | 2.9 <sup>+0.6</sup> N         |
| Switching travel     | 0.5 <sup>+0.2</sup> mm        |
| Robustness max.      | with through-plated PCB 100 N |

#### Electrical characteristics

|                                  |                         |
|----------------------------------|-------------------------|
| Rated voltage min.               | Au: 0.02 V, Ag: 3 V     |
| Rated voltage max.               | 35 V                    |
| Rated current min.               | Au: 0.01 mA, Ag: 0.1 mA |
| Rated current max.               | Au: 100 mA, Ag: 250 mA  |
| Rated power max. (ohmic load)    | Au: 2 W, Ag: 12.5 W     |
| Contact resistance when new max. | 100 mΩ                  |
| Insulation resistance            | 10 <sup>9</sup> Ω       |

#### Other specifications

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Ambient temp. operating min.           | -25 °C                                   |
| Ambient temp. operating max.           | +70 °C                                   |
| Environmental resistance               | acc. to IEC 60068-2-14, -30, -33 and -78 |
| Operating life min. (operations)       | 1,000,000 cycle                          |
| Solderability / solder heat resistance | according to DIN EN 60068-2-20           |
| Wave soldering                         | 260 °C max.                              |
| Manual soldering                       | 350 °C / 5 sec. max.                     |

