

## Priority keylock switch IP54

### 3.13.027.506/0000

2 sets of keys included.



Other lock variants available on request.

Either 2 or 3 different keys are required, depending on the angle between positions. Key 1 can switch to position 1, key 2 can switch to position 1 and 2, etc.

#### General information

|                |            |
|----------------|------------|
| Color          | light grey |
| Form of collar | square     |

#### Dimensions

|                  |         |
|------------------|---------|
| Length of collar | 19 mm   |
| Width of collar  | 19 mm   |
| Overall height   | 19.5 mm |

#### Mechanical design

|                             |                             |
|-----------------------------|-----------------------------|
| Mounting                    | soldering                   |
| Terminals                   | tin-plated                  |
| Contact system              | cross contact self cleaning |
| Contact function            | latching                    |
| Contact materials           | Au alloy                    |
| Illuminability              | no                          |
| Lock                        | Micromec                    |
| Wafers                      | 5                           |
| Lock type                   | 001                         |
| Number of locking positions | 500                         |
| Main key                    | on request                  |
| Key removal position        | 0+1+2                       |

#### Mechanical characteristics

|                             |                  |
|-----------------------------|------------------|
| Switching torque            | 0.04 ... 0.10 Nm |
| Robustness max.             | 2 Nm             |
| Dielectric strength AC min. | 500 V            |
| Rated power max.            | 1 W              |

#### Electrical characteristics

|                                      |                   |
|--------------------------------------|-------------------|
| Rated voltage                        | 2 ... 35 V        |
| Rated current max.                   | 100 mA            |
| Contact resistance when new max.     | 100 mΩ            |
| Contact resistance acc. to life max. | 200 mΩ            |
| Insulation resistance                | 10 <sup>9</sup> Ω |

|                   |      |
|-------------------|------|
| ESD strength max. | 8 kV |
|-------------------|------|

### Other specifications

|                                      |  |
|--------------------------------------|--|
| Rotating angle                       | 2 x 90°                                  |
| Operating life                       | 10,000 cycle                             |
| Degree of protection from front side | IP54                                     |
| Ambient temp. operating min.         | -25 °C                                   |
| Ambient temp. operating max.         | +70 °C                                   |
| Storage temperature min.             | -40 °C                                   |
| Storage temperature max.             | +80 °C                                   |
| Environmental resistance             | acc. to IEC 60068-2-14, -30, -33 and -78 |
| Flammability of materials            | UL 94 HB                                 |
| ROHS compliant                       | yes                                      |
| REACH compliant                      | yes                                      |

### PCB hole pattern, component side



