

RAFIX 16 F, keylock switch, round collar, 2 x 90°, latching



fields of application

- > Measurement-control-regulation
- > Electrical engineering
- > Mechanical and system engineering
- > Vehicle construction

special features

- Robust also suitable for operation with gloves
- Close mounting of actuators possible, as wiring is axial from the rear
- > Degree of protection: IP 65 at the front
- Separate switching elements UNIVERSAL required
- Switching elements with silver contacts (max. 250 V / 6 A) or gold contacts (max. 35 V / 0.25 A)
- Connection types: screw connection, plug-in connection, PCB plug-in socket
- > The switching elements are snapped on and can be removed again by turning.



description

The locking systems we use were created according to the DIN EN 1303 standard by well-known lock manufacturers. They are open, mechanical systems which, depending on the environmental conditions, require occasional maintenance (e.g. greasing & oiling) by the machine or system operator.

RAFIX control units are modular units consisting of several parts. In the RAFIX 16 product family, these always consist of an actuating element and a switching element. Actuating elements (such as key switches) have the specified tactility, reset and function only when assembled with the appropriate switching elements.

With RAFIX 16 actuating elements, you can choose between three collar shapes: round, square or square side-by-side, in which the pushbuttons can be lined up seamlessly. The mounting diameter is 16.2 mm according to the standard. The anti-rotation lug can be easily removed with a screwdriver if necessary.

technical data

| > | general | |
|---|------------------------------|-----------------|
| | Scope of delivery | 2 keys |
| | Bezel color | black |
| | Property of bezel / mushroom | opaque |
| | Collar color | metallic silver |
| | Collar shape | round |
| | Operating temperature, min. | -25 °C |

direct links

> RAFI eCatalog

RAFI GmbH & Co. KG

The information in this data sheet only contains general descriptions and / or performance features, which may not apply precisely as described to the respective application, and which my change due to further product enhancements. The technical data, illustrations and other information about our products are the mere results of individual technical testing. These descriptions and other product features are only binding if they expressly agreed upon at the time of the conclusion of a binding contract. In all other cases, we reserve the right to make technical changes as well as changes of availability. Pictures and other graphic illustrations are approximations only. All product names may be trademarks or brand names of the RAFI Group or any other sub-supplier of RAFI. The use of such by any third parties for their own purposes may infringe the rights of the respective entity holding those rights. **date**: Aug 31, 2024 **page**: 1/3

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| Operating temperature, max. | 70 °C |
|---|---|
| Storage temperature, min. | -40 °C |
| Storage temperature, max. | 85 °C |
| illuminated | No |
| Packaging | Box |
| Packaging unit | 10 pcs. |
| net weight | 30.7 g |
| Operating life | 65,000 cycles |
| B10 | 84,500 cycles |
| Degree of protection, front side, | IP65 |
| according to DIN EN 60529 | |
| Environment resistance | IEC 60068-2-14 IEC 60068-2-30 |
| | IEC 60068-2-33 |
| | IEC 60068-2-78 |
| MOQ order | 10 pcs. |
| RoHS compliant | Yes |
| REACH compliant | Yes |
| mounting diameters | |
| | 28 mm |
| Outside dimension, length | 2011111 |
| Outside dimension, length Outside dimension, width | 28 mm |
| Ū. | - |
| Outside dimension, width | 28 mm |
| Outside dimension, width Outside dimension, height | 28 mm 48.4 mm |
| Outside dimension, width Outside dimension, height Mounting hole | 28 mm 48.4 mm 22.3 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth | 28 mm 48.4 mm 22.3 mm 50 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm ø 28 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm ø 28 mm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm ø 28 mm latching 1.3 Nm |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. Locking position | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm ø 28 mm latching 1.3 Nm 1 |
| Outside dimension, width Outside dimension, height Mounting hole Mounting depth Installation height Grid, min. Collar dimension mechanical data Actuation function Operating torque, max. Locking position Key lock | 28 mm 48.4 mm 22.3 mm 50 mm 24.1 mm 30 x 30 mm ø 28 mm latching 1.3 Nm 1 Micromec |

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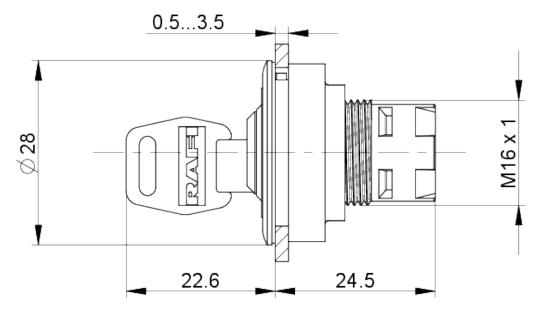
technical data sheet



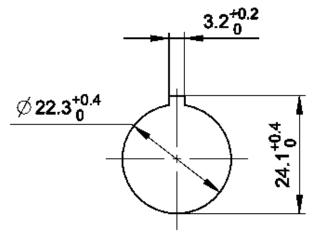


drawings

Dimensioned drawing



Mounting hole drawing



acc. to IEC 60947-5-1

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