A photograph of RAFIX 22 FS+ components on a grey surface. In the foreground, a silver key with 'RAFI' engraved on it is inserted into a dark grey cylindrical component. To the left, three more dark grey components with white, white, and yellow caps are arranged in a row. To the right, a red emergency stop button with a yellow base is visible. The background is a plain grey surface.

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TOUCH

RAFIX 22 FS⁺

New products 2014.



RAFIX 22 FS+

FAST & SLIM.

The RAFIX 22 FS+ series offers fast and cost-efficient installation options with a small footprint. In front of or behind the front panel, this unique concept enables individual system design. A wide range of various collar shapes and front rings guarantee a distinct, modern design with an additional functional advantage: the assignment of specific colors to specific commands. This reduces errors during data entry.

All products presented here in this brochure are additions to the proven RAFIX 22 FS+ range. For additional technical specifications, accessories, and contact blocks, please refer to the RAFI main catalog or the brochure "RAFIX 22 FS+" which can be downloaded at www.rafi.de.



CONTROL COMPONENTS

ACTUATION COMPONENTS

RAFIX 22 FS+ FLEXLAB PUSHBUTTON



→ The RAFIX 22 FS+ FLEXLAB pushbutton allows individual control component labeling. A DIN A4 label sheet with pre-cut labels which fits in all customary office printers is available for this option. After the legend inserts are printed, the labels can be detached from the sheet and inserted into the colored lens using the fine stop tabs.

Technical properties

→ Installation dimensions

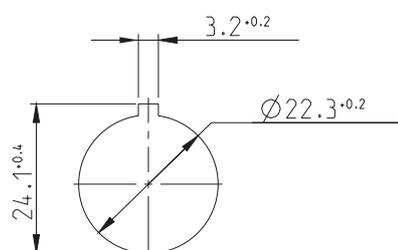
| | |
|-----------------|----------------------|
| Mounting depth | PCB 9.2 mm, QC 27 mm |
| Mounting hole | 22.3 mm |
| Pushbutton grid | 30 x 30 mm |

→ Mechanical design

| | |
|------------------|--------------------|
| Fixing | Threaded rings |
| Contact function | momentary/latching |
| Illuminated | yes |

→ Further details

| | |
|----------------------------|---|
| Min. operating temperature | -25° C |
| Max. operating temperature | +70° C |
| Protection type front | IP 65 |
| Storage temperature | -40° C |
| Max. storage temperature | +80° C |
| Environmental resistance | as per IEC 60068-2-14, -30, -33 and -78 |
| Salt spray | IEC 600 68-2-11 |



Mounting hole as per IEC 60947-5-1

Approvals



CCC in preparation



UL 508 in preparation



FLEXLAB labeling sheet



Insert the legend insert vertically into the lens



Snap lens with legend insert into place, raised tactile dot at 12 o'clock.

| → Pushbutton - Base unit | Order number for momentary contact function | | Order number for latching contact function | |
|--------------------------|---|-----------------------|--|-----------------------|
| | Front ring plastic | Front ring metallized | Front ring plastic | Front ring metallized |
| Round collar | 1.30.270.901/22xx | 1.30.270.921/2200 | 1.30.270.911/22xx | 1.30.270.931/2200 |
| Square collar | 1.30.270.951/22xx | 1.30.270.971/2200 | 1.30.270.961/22xx | 1.30.270.981/2200 |

xx = Front ring color: black = 01, red = 03, yellow = 04, green = 05, blue = 06, slate gray = 07, silver gray = 08

→ Colored lenses

| Lens color | Order number |
|------------|-------------------|
| colorless | 5.49.263.062/1000 |
| red | 5.49.263.062/1300 |
| yellow | 5.49.263.062/1400 |
| green | 5.49.263.062/1500 |
| blue | 5.49.263.062/1600 |

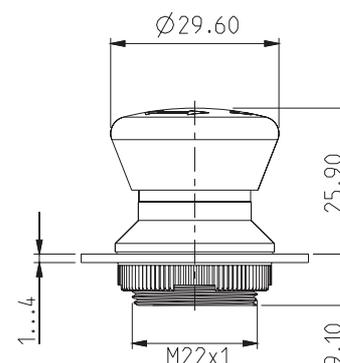
→ DIN A4 label sheet

| DIN A4 label sheet | Order number |
|------------------------------|-------------------|
| 6x11 lenses in total utility | 5.70.800.200/0000 |

RAFIX 22 FS+

Compact emergency stop button

→ The new compact emergency stop button is a consistent addition to the RAFIX 22 FS+ control component range. The shape of the actuator prevents blockage or misuse of the emergency stop button. For example, an initiated emergency stop procedure cannot be interrupted by jammed objects. Featuring an installation height of only 25.9 mm in front of the front panel, the RAFIX FS+ compact emergency stop button is suitable for use with QC and PCB contact blocks.



Technical properties

→ Installation dimensions

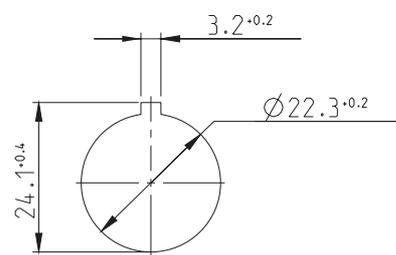
| | |
|-----------------|----------------------|
| Mounting depth | PCB 9.2 mm, QC 27 mm |
| Mounting hole | 22.3 mm |
| Pushbutton grid | 30 x 30 mm |

→ Mechanical design

| | |
|------------------|----------------|
| Fixing | Threaded rings |
| Contact function | latching |
| Illuminated | yes |
| Reset | by turning |

→ Further details

| | |
|----------------------------|---|
| Min. operating temperature | -25° C |
| Max. operating temperature | +70° C |
| Protection type front | IP 65 |
| Storage temperature | -40° C |
| Max. storage temperature | +80° C |
| Environmental resistance | as per IEC 60068-2-14, -30, -33 and -78 |
| Salt spray | IEC 600 68-2-11 |



Mounting hole as per IEC 60947-5-1

Approvals



IEC 60947-5-x, 60904, 6007360904, 60073 in preparation



CCC in preparation



UL 508 in preparation

| | | | |
|----------------|--------------------|------------------------------|---------------------|
| → Reset | Illuminated | Protection type front | Order number |
| by turning | yes, arrow | IP65 | 1.30.273.301/2200 |

Use only emergency stop contact blocks.

CONTROL COMPONENTS

ACTUATION COMPONENTS



RAFIX 22 FS+ Compact keyswitch

→ The RAFIX 22 FS+ compact keyswitch is water-jet proof with a degree protection to IP 65, which makes them suitable for diverse applications. It features outstanding tactile properties with a small footprint.

Technical properties

Installation dimensions

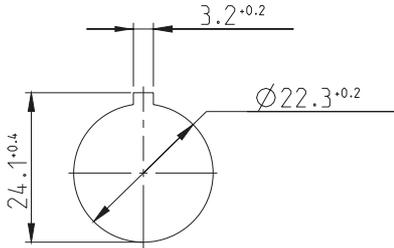
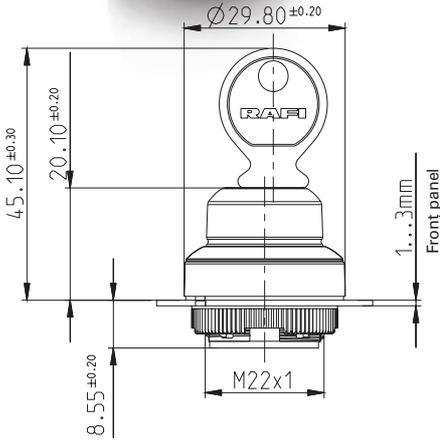
| | |
|-----------------|----------------------|
| Overall height | 45.1 mm |
| Mounting depth | PCB 9.2 mm, QC 27 mm |
| Mounting hole | 22.3 mm |
| Pushbutton grid | 35 x 35 mm |

Mechanical design

| | |
|--------|----------------|
| Fixing | Threaded rings |
|--------|----------------|

Further details

| | |
|----------------------------|---|
| Min. operating temperature | -25° C |
| Max. operating temperature | +70° C |
| Protection type front | IP 65 |
| Storage temperature | -40° C |
| Max. storage temperature | +80° C |
| Environmental resistance | as per IEC 60068-2-14, -30, -33 and -78 |
| Salt spray | IEC 600 68-2-11 |



Mounting hole as per IEC 60947-5-1

Approvals



CCC in preparation



UL 508 in preparation

| → Contact function | Rotating angles | Key removal position | Order number for round collar | | Order number for square collar | | |
|--------------------|------------------|----------------------|-------------------------------|-----------------------|--------------------------------|-----------------------|-------------------|
| | | | Front ring plastic | Front ring metallized | Front ring plastic | Front ring metallized | |
| Momentary | 1 x 40° | | 0 | 1.30.275.001/xxxx | 1.30.275.002/0000 | 1.30.275.051/xxxx | 1.30.275.052/0000 |
| Momentary | 2 x 40° | | 0 | 1.30.275.101/xxxx | 1.30.275.102/0000 | 1.30.275.151/xxxx | 1.30.275.152/0000 |
| Latching | 1 x 90°, L shape | | 0+1 | 1.30.275.221/xxxx | 1.30.275.222/0000 | 1.30.275.271/xxxx | 1.30.275.272/0000 |
| Latching | 1 x 90°, V shape | | 0+1 | 1.30.275.321/xxxx | 1.30.275.322/0000 | 1.30.275.371/xxxx | 1.30.275.372/0000 |

xxxx = Front ring color: black = 0100, slate gray = 0700, silver gray = 0800, red = 0300, yellow = 0400, green = 0500, blue = 0600
Additional closings or functions on request, delivery with 2 keys

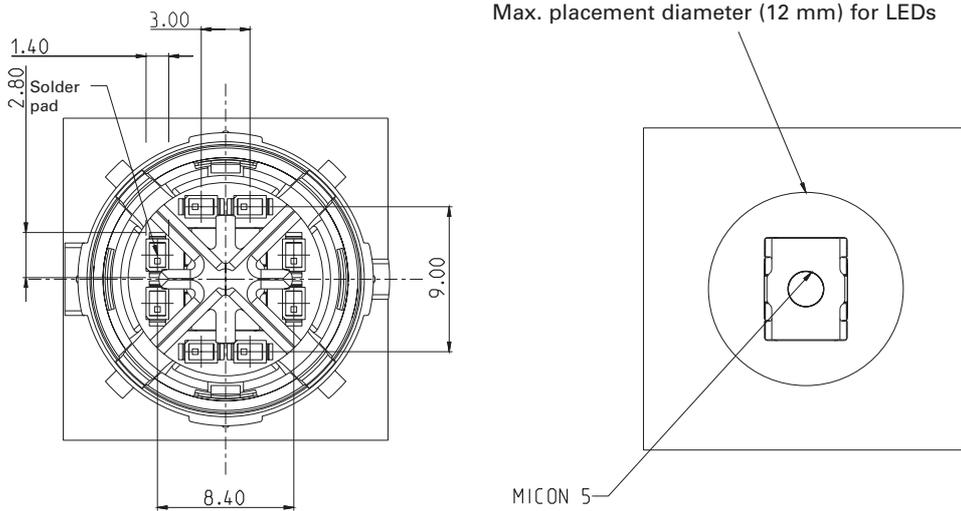
RAFIX 22 FS+

Short-travel adapter

→ The short-travel adapter can easily be inserted into a RAFIX 22 FS+ series pushbutton. The tactile properties of the short-travel keyswitch become noticeable when the pushbutton is pressed. In addition the small footprint of the MICON 5 enables the placement of diverse LEDs, allowing several light functions.

Technical properties

| | |
|-------------------------|-----------------------------|
| → Operating life | |
| Cycles on MICON 5 | 250,000 (1.14.002.101/0000) |



| | |
|-------------------------------|---------------------|
| → Short-travel adapter | Order number |
| on MICON 5 | 5.05.511.917/0000 |

Technical specifications are only approximate and should be used only for product selection. Subject to change and errors excepted. Images and other depictions alike. For more information, go to Imprint/Data Protection at www.rafi.de.

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