

Installation Equipment

Mushroom stay-put button With key

EM-STOP

8602C3-009-B .. MS1



- Pushbutton, mushroom pushbutton, mushroom stay-put button with key lock, mushroom stay-put button, twin pushbutton and illuminated pushbutton, rotary actuator, key-operated switch, potentiometer bezel and indicator lamp bezel
- One axial actuator can actuate up to four 8082 series contact elements
- Key-operated switches and rotary switches codable at any time as "latching/spring return" or "key not removable"

WebCode **8602A**



Thanks to their special technical features, the actuators from the 8602/3 series can withstand the most extreme conditions. In addition to the application option for use in ambient temperatures from -60 °C to +70 °C, the IP degree of protection, IP66, is maintained in accordance with EN 60529. It is also possible to actuate up to four contact elements from the 8082 series with a single axial actuator from the 8602/3 series.

The coding option of the key switches and rotary switches is innovative and one-of-a-kind. Integrated coding allows you to adjust the "latching/spring return" and/or "key not removable" functions at any time without additional accessories. A versatile set of accessories consisting of label holders and locking devices is available.

Technical Data

Explosion Protection

| | |
|---------------------------------|---|
| Application range (zones) | 1 2 21 22 |
| IECEX gas certificate | IECEX PTB 13.0047U |
| IECEX gas explosion protection | Ex eb IIC Gb |
| IECEX dust certificate | IECEX PTB 13.0047 U |
| IECEX dust explosion protection | Ex tb IIIC Db |
| ATEX gas certificate | PTB 13 ATEX 1019 U |
| ATEX gas explosion protection | Ex II 2 G Ex eb IIC Gb |
| ATEX dust certificate | PTB 13 ATEX 1019 U |
| ATEX dust explosion protection | Ex II 2 D Ex tb IIIC Db |
| UL gas certificate | E182378 V4 S2 |
| Certificates | ATEX (PTB), Brazil (ULB), Canada / USA (UL), EAC (CCVE), IECEX (PTB), India (PESO), Korea (KGS) |

Functional Safety

| | |
|-------------|---|
| SIL-capable | only with contact elements 8082/1, 8082/2, 8208/24-15 |
|-------------|---|

Ambient Conditions

| | |
|----------------------|--------------------|
| Ambient temperature | -20 °C ... +60 °C |
| Ambient temperature | -4 °F ... +140 °F |
| Storage temperature | -25 °C ... +60 °C |
| Storage temperature | -13 °F ... +140 °F |
| Use at the height of | < 2000 m |

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Ambient Conditions

| | |
|-------------------------|---|
| Degree of contamination | 3 |
|-------------------------|---|

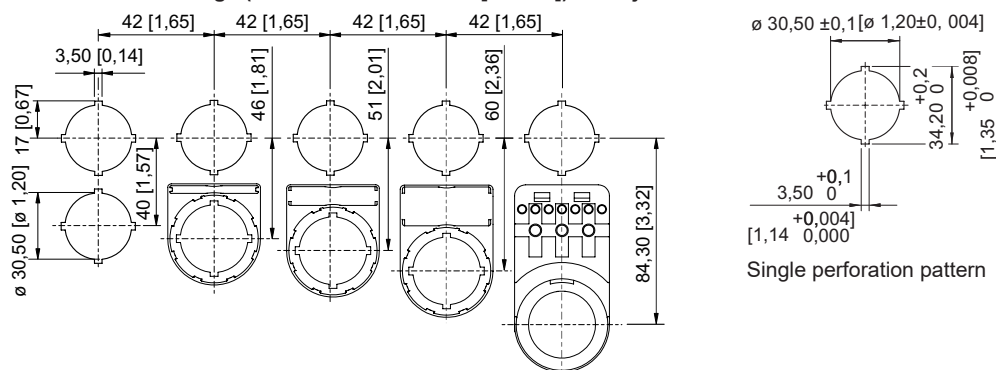
Mechanical Data

| | |
|------------------------------|----------------------------|
| Version | with key lock |
| Degree of protection (IP) | IP66 |
| Note on degree of protection | According to IEC/EN 60529 |
| Enclosure material | Polyamide |
| Silicone-free | Yes |
| Assembly | 009 |
| Diameter | 39 mm |
| Service life, min. | 10 ⁵ actuations |
| Impact strength (IEC 60079) | 7 J |
| Impact strength (IEC 62262) | min. IK08 |
| Colour | Yellow/red |
| Fastening | Thread type |
| Designation plate | With yellow backing plate |
| Seal | Standard |
| Closing | MS1 |
| Packaging unit | 1 |
| Weight | 0.075 kg |
| Weight | 0.17 lb |
| Description note | 2 keys enclosed. |

Mounting / Installation

| | |
|--------------------------|--------------|
| Tightening torque | 3 Nm |
| Tightening torque lbf in | 26.55 lbf in |

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



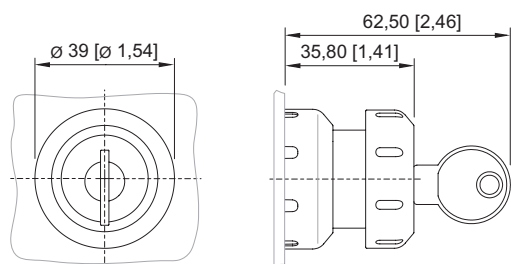
Standard cut-out with / without front label

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8602/3-006 Mushroom stay-put button with key lock red / black
 8602/3-009 Mushroom stay-put button with key lock red / yellow
 Actuator with axial actuation


Accessories

| Spare key | | Art. No. |
|--|-------------|----------|
|  | Closing MS1 | 107109 |

| Label holder | | Art. No. |
|---|--|----------|
|  | Size 1, without insert disc, 1-line label for actuators Ø 39 | 223566 |

| Insert discs for label holder | | Art. No. |
|--|--|----------|
|  | 1-line Plain Material: PVC Colour: White Self-adhesive | 238271 |
|  | 2-line Plain Material: PVC Colour: White Self-adhesive | 238272 |
|  | 3-line Plain Material: PVC Colour: White Self-adhesive | 238273 |

| Label, yellow, general | | Art. No. |
|--|-----------------------------|----------|
|  | for Ø 39 actuator (EM-STOP) | 223571 |

| Closing part | | Art. No. |
|--|--|----------|
|  | 8602C3-733-B for closing unused holes in cover, Ø 30.5 mm, NBR | 244306 |
| | 8602C3-733-S for closing unused holes in cover, Ø 30.5 mm, silicone | 244307 |

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Spare Parts

| Protective collar | | Art. No. |
|--|--|----------|
|  | 8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button Ø 39 BG006, BG009, BG010, BG012 | 257707 |
|  | 8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put button Ø 39 BG006, BG009, BG010, BG012 | 257708 |
| Label holder | | Art. No. |
|  | Size 2, without insert disc, 1- or 2-line label for actuators Ø 39 | 223567 |
|  | Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39 | 223568 |
| Special key | | Art. No. |
|  | for tightening plastic locking nut | 169101 |
| Pressure plates | | Art. No. |
|  | Ø 37 mm 3 contact elements | 215436 |
|  | Ø 48.5 mm 4 contact elements | 215437 |
| Holder for front installation | | Art. No. |
|  | 8602/3 holder for cable duct | 248673 |
| Adaptor for front installation | | Art. No. |
|  | 8602/3 Front installation for indicator lamp series 8010/6 and contact element series 8082/3 | 227038 |

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8082/3 Contact element

Art. No.



for NC contact front installation

240898

for NO contact front installation

240899

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