

8602C3-727-B-M03-03-E03 Art. No. 244652



- 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 Series 8082 contact elements
- Key-operated switches and rotary switches codable at any time as "latching/spring return" or "key not removable"

MY R. STAHL 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                                                                                                |
| IECEEx gas certificate           | IECEEx PTB 13.0047U                                                                                         |
| IECEX gas certificate            | IECEEx PTB 13.0047U                                                                                         |
| IECEEx gas explosion protection  | Ex eb IIC Gb                                                                                                |
| IECEEx dust certificate          | IECEEx PTB 13.0047 U                                                                                        |
| IECEEx dust explosion protection | Ex tb IIIC Db                                                                                               |
| ATEX gas certificate             | PTB 13 ATEX 1019 U                                                                                          |
| 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                                                                                               |
| Certificate ULus                 | E182378 V4 S2                                                                                               |
| Marking ULus                     | Class I, Zone 1, AEx eb IIC Gb<br>Zone 21, AEx tb IIIC Db                                                   |
| Certificate cUL                  | E182378V4S2                                                                                                 |
| Marking cUL                      | Class I, Zone 1, Ex eb IIC Gb<br>Zone 21, Ex tb IIIC Db                                                     |
| Inmetro gas certificate          | UL-BR 14.0380U                                                                                              |
| Inmetro dust certificate         | UL-BR 14.0380U                                                                                              |
| Certificates                     | ATEX (PTB), Brazil (ULB), Canada / USA (UL), Canada (UL), IECEEx (PTB), India (PESO), Korea (KGS), USA (UL) |

# Installation equipment

## Rotary actuator, small lockable

**STAHL****8602C3-727-B-M03-03-E03 Art. No. 244652****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           |
| Max. operating altitude | 2000 m             |
| Degree of pollution     | 3                  |

**Mechanical Data**

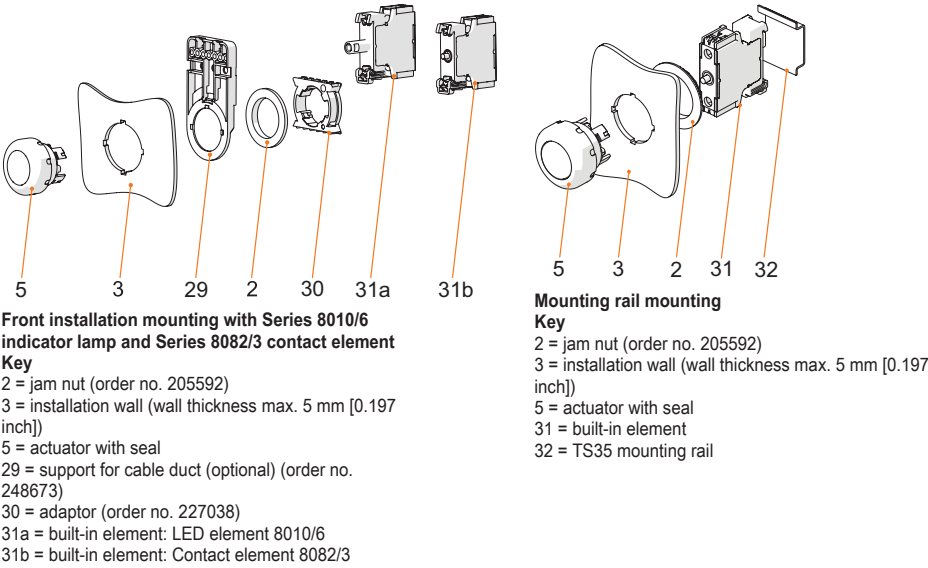
|                               |                                                                                                                                                                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version                       | lockable                                                                                                                                                                                                                                                                        |
| Degree of protection (IP)     | IP66                                                                                                                                                                                                                                                                            |
| Note on degree of protection  | According to IEC/EN 60529                                                                                                                                                                                                                                                       |
| Enclosure material            | Polyamide                                                                                                                                                                                                                                                                       |
| Silicone-free                 | Yes                                                                                                                                                                                                                                                                             |
| Number of switching positions | 3                                                                                                                                                                                                                                                                               |
| Assembly                      | 727                                                                                                                                                                                                                                                                             |
| Diameter                      | 39 mm                                                                                                                                                                                                                                                                           |
| Service life, min.            | 10 <sup>5</sup> actuations                                                                                                                                                                                                                                                      |
| Impact strength (IEC 60079)   | 7 J                                                                                                                                                                                                                                                                             |
| Impact strength (IEC 62262)   | min. IK08                                                                                                                                                                                                                                                                       |
| Colour                        | Black                                                                                                                                                                                                                                                                           |
| Mounting                      | Thread type                                                                                                                                                                                                                                                                     |
| Designation plate             | I - 0 - II                                                                                                                                                                                                                                                                      |
| Seal                          | Standard                                                                                                                                                                                                                                                                        |
| Lockable in                   | One pos. with one lock                                                                                                                                                                                                                                                          |
| Packaging unit                | 1                                                                                                                                                                                                                                                                               |
| Weight                        | 40 g                                                                                                                                                                                                                                                                            |
| Weight                        | 0.09 lb                                                                                                                                                                                                                                                                         |
| Decription note               | Conversion to the "spring return" function is possible with the installed coding elements.<br>Standard label enclosed separately.<br>Different labels must be ordered in addition.<br>Cylinder lock not enclosed.<br>Pressure plates for 1–2 and 3–4 contact elements enclosed. |

**Mounting / Installation**

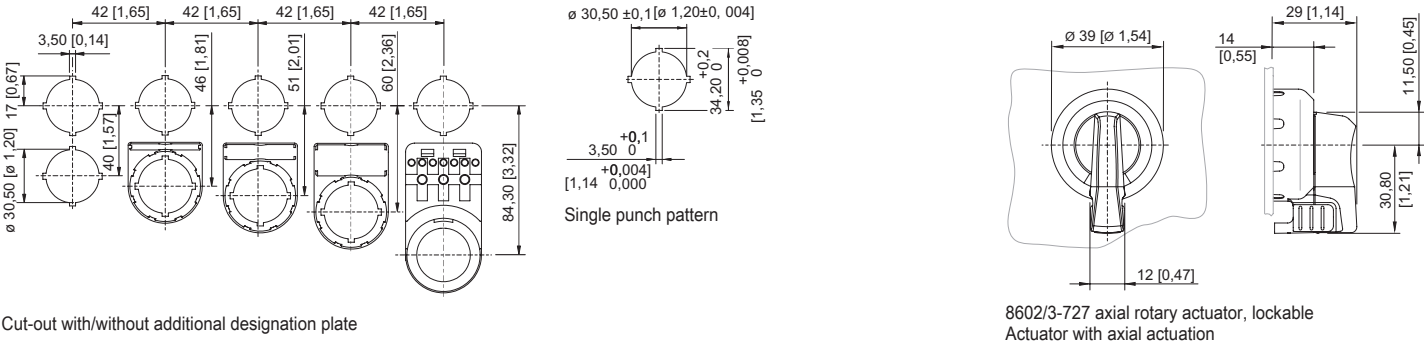
|                          |                      |
|--------------------------|----------------------|
| Mounting type            | Front panel mounting |
| Tightening torque        | 3 N · m              |
| Tightening torque lbf in | 26.55 lbf in         |

8602C3-727-B-M03-03-E03    Art. No. 244652

Technical Drawings – Subject to Alterations



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



Accessories

| Cylinder lock                                                                      |                                                                      | Art. No. |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------|
|  | for closing (bracket Ø 3)                                            | 107115   |
| Closing part                                                                       |                                                                      | Art. No. |
|  | 8602C3-733-B<br>for closing unused holes in cover, dia. 30.5 mm, NBR | 244306   |

Spare Parts

| Contact element                                                                    |                                   | Art. No. |
|------------------------------------------------------------------------------------|-----------------------------------|----------|
|  | for NC front installation         | 240898   |
|                                                                                    | for NO contact front installation | 240899   |

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## Rotary actuator, small lockable



8602C3-727-B-M03-03-E03 Art. No. 244652

| Insert discs for label holder                                                            |                                                                                                                                         | Art. No. |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
|          | One-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive                                                                    | 238271   |
|          | Two-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive                                                                    | 238272   |
|          | Three-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive                                                                  | 238273   |
| Labels for small BG 732, BG 734 rotary actuator and BG 726, BG 727 axial rotary actuator |                                                                                                                                         | Art. No. |
|         | Dia. 30.8<br>Plain                                                                                                                      | 227495   |
| Labels for axial BG 726, BG 727 rotary actuator                                          |                                                                                                                                         | Art. No. |
|        | Dia. 30.8<br>I 0 II                                                                                                                     | 240474   |
|        | Dia. 30.8<br>MANUAL 0 AUTO                                                                                                              | 240477   |
| Label set for BG732                                                                      |                                                                                                                                         | Art. No. |
|        | The label set contains three dia. 30.8 mm labels<br>1x label with text HAND-0-AUTO<br>1x label with text LOCAL-REMOTE<br>1x label blank | 321792   |
| Label holder                                                                             |                                                                                                                                         | Art. No. |
|        | Size 1, without insert disc, 1-line label<br>for actuators Ø 39                                                                         | 223566   |
|        | Size 2, without insert disc, 1- or 2-line label<br>for actuators Ø 39                                                                   | 223567   |
|        | Size 3, without insert disc, 1-, 2- or 3-line label<br>for actuators Ø 39                                                               | 223568   |

# Installation equipment

## Rotary actuator, small lockable

8602C3-727-B-M03-03-E03 Art. No. 244652

### Special key

### Art. No.



for tightening plastic locking nut

169101

### Pressure plates

### Art. No.



For key-operated switch and axial rotary actuator  
1 to 2 contact elements

253627



For key-operated switch and axial rotary actuator  
3 to 4 contact elements

221707

### 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

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.