

8602C3-734-B-90H-E08 Art. No. 227359



- 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

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### 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                                                                                                           |
| Assembly                     | 734                                                                                                           |
| 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            | 0/OFF - I/ON                                                                                                  |
| Seal                         | Standard                                                                                                      |
| Lockable in                  | One pos. with one lock                                                                                        |
| Packaging unit               | 1                                                                                                             |
| Weight                       | 40 g                                                                                                          |
| Weight                       | 0.09 lb                                                                                                       |
| Decription note              | 0/OFF-I/ON label provided separately. Cylinder lock not enclosed.<br>Other labels must be ordered separately. |

### Mounting / Installation

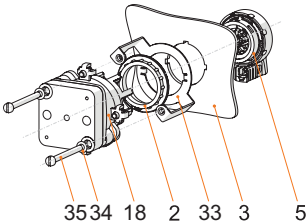
|                          |                      |
|--------------------------|----------------------|
| Mounting type            | Front panel mounting |
| Tightening torque        | 3 N · m              |
| Tightening torque lbf in | 26.55 lbf in         |

Installation equipment  
Rotary actuator, small lockable



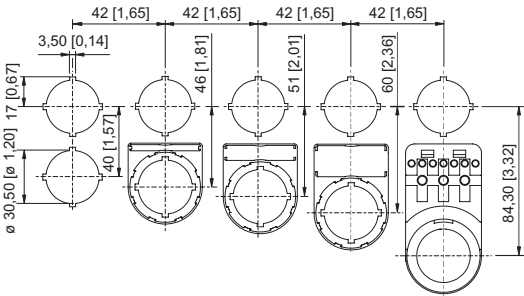
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Technical Drawings – Subject to Alterations

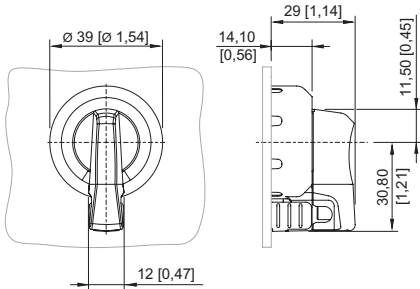
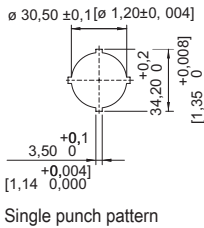


Front installation mounting with Series 8008 control switch  
**Key**  
2 = jam nut (order no. 205592)  
3 = installation wall (wall thickness max. 2 mm [0.0787 inch])  
5 = 8302/3 actuator with seal (4)  
18 = 8008/2- control switch  
33 = front installation 8602/3 adaptor for type 8008/2  
34 = M4 disc  
35 = M4x screw

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



Cut-out with/without additional designation plate



8602/3-734 rotary actuator, lockable using one lock  
Actuator with radial actuation

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

| Insert discs for label holder                                                      |                                                                      | Art. No. |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------|
|  | One-line<br>Plain<br>Material: PVC<br>Colour: White<br>Self-adhesive | 238271   |

# Installation equipment

## Rotary actuator, small lockable

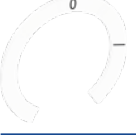
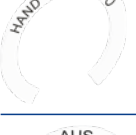
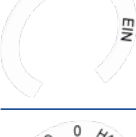
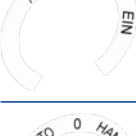
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|                                                                                  |                                                                        |        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|--------|
|  | 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

Art. No.

|                                                                                    |                               |        |
|------------------------------------------------------------------------------------|-------------------------------|--------|
|    | Dia. 30.8<br>0/OFF I/ON       | 227489 |
|    | Dia. 30.8<br>0 I              | 227490 |
|  | Dia. 30.8<br>I 0 II           | 227491 |
|  | Dia. 30.8<br>0 I              | 227492 |
|  | Dia. 30.8<br>MANUAL 0 AUTO    | 227494 |
|  | Dia. 30.8<br>OFF ON           | 269983 |
|  | Dia. 30.8<br>AUTO 0 MANUAL ON | 269984 |
|  | Dia. 30.8<br>AUTO 0 MANUAL    | 269985 |

### 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 |
|------------------------------------------------------------------------------------|--------------------|--------|

# Installation equipment

## Rotary actuator, small lockable

**STAHL****8602C3-734-B-90H-E08 Art. No. 227359****Label set for BG732****Art. No.**

The label set contains three dia. 30.8 mm labels  
1x label with text HAND-0-AUTO  
1x label with text LOCAL-REMOTE  
1x label blank

321792

**Label holder****Art. No.**

Size 1, without insert disc, 1-line label  
for actuators Ø 39

223566



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

**Adaptor for front installation****Art. No.**

8602/3 front installation for control switch of Series 8008

260081

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.