

8602C3-009-S .. MS4 Art. No. 270417



- 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) |

8602C3-009-S .. MS4 Art. No. 270417

### Functional Safety

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

### Ambient Conditions

|                         |                    |
|-------------------------|--------------------|
| Ambient temperature     | -60 °C ... 70 °C   |
| Ambient temperature     | -76 °F ... +158 °F |
| Storage temperature     | -60 °C ... 70 °C   |
| Storage temperature     | -76 °F ... +158 °F |
| Use at the height of    | < 2000 m           |
| Max. operating altitude | 2000 m             |
| Degree of pollution     | 3                  |

### Mechanical Data

|                              |                            |
|------------------------------|----------------------------|
| Version                      | EM-STOP                    |
| Degree of protection (IP)    | IP66                       |
| Note on degree of protection | According to IEC/EN 60529  |
| Enclosure material           | Polyamide                  |
| Silicone-free                | No                         |
| Assembly                     | 009                        |
| Diameter                     | 39 mm                      |
| Service life, min.           | 10 <sup>5</sup> actuations |
| Impact strength (IEC 60079)  | 7 J                        |
| Impact strength (IEC 62262)  | min. IK08                  |
| Colour                       | Yellow/red                 |
| Mounting                     | Thread type                |
| Designation plate            | With yellow backing plate  |
| Seal                         | Silicone                   |
| Closing                      | MS4                        |
| Packaging unit               | 1                          |
| Weight                       | 75 g                       |
| Weight                       | 0.17 lb                    |
| Decription note              | Two keys enclosed.         |

### Mounting / Installation

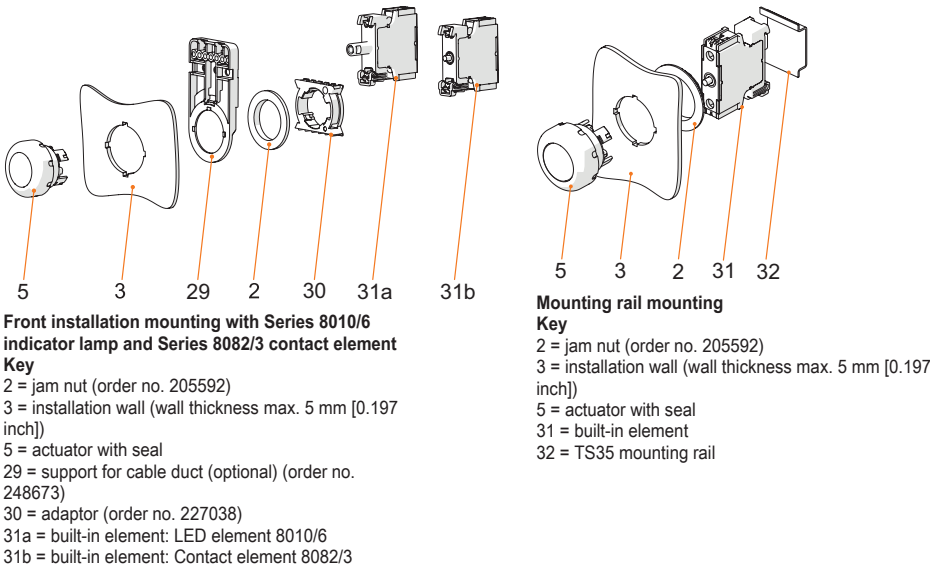
|                          |                      |
|--------------------------|----------------------|
| Mounting type            | Front panel mounting |
| Tightening torque        | 3 N · m              |
| Tightening torque lbf in | 26.55 lbf in         |

Installation equipment  
Mshrm sty-pt button w. key lck EMERGENCY STOP

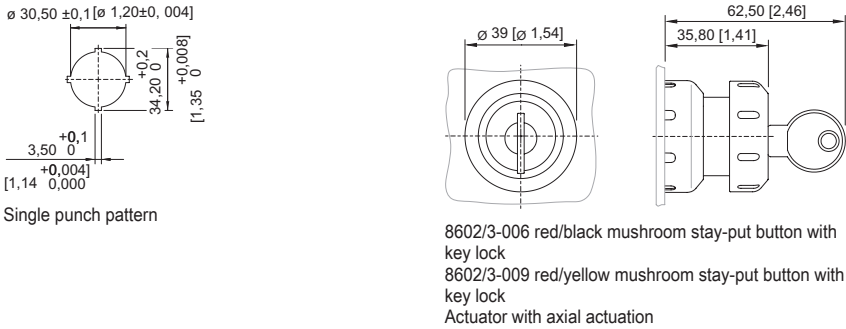


8602C3-009-S .. MS4    Art. No. 270417

Technical Drawings – Subject to Alterations



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



Accessories

| Closing part      |                                                                                                                                        | Art. No. |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------|
|                   | 8602C3-733-S<br>for closing unused holes in cover, dia. 30.5 mm, silicone                                                              | 244307   |
| Protective collar |                                                                                                                                        | Art. No. |
|                   | 8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button<br>dia. 39<br>BG006, BG009, BG010, BG012    | 257707   |
|                   | 8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put<br>button dia. 39<br>BG006, BG009, BG010, BG012 | 257708   |

Spare Parts

| Contact element | Art. No. |
|-----------------|----------|
|-----------------|----------|

## Installation equipment

### Mshrm sty-pt button w. key lck EMERGENCY STOP

**STAHL**

8602C3-009-S .. MS4 Art. No. 270417

|                                                                                  |                                   |        |
|----------------------------------------------------------------------------------|-----------------------------------|--------|
|  | for NC front installation         | 240898 |
|                                                                                  | for NO contact front installation | 240899 |

**Spare key****Art. No.**

|                                                                                  |             |        |
|----------------------------------------------------------------------------------|-------------|--------|
|  | Closing MS4 | 272647 |
|----------------------------------------------------------------------------------|-------------|--------|

**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 |

**Label, yellow, general****Art. No.**

|                                                                                    |                             |        |
|------------------------------------------------------------------------------------|-----------------------------|--------|
|  | for Ø 39 actuator (EM-STOP) | 223571 |
|------------------------------------------------------------------------------------|-----------------------------|--------|

**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 |

**Special key****Art. No.**

|                                                                                    |                                    |        |
|------------------------------------------------------------------------------------|------------------------------------|--------|
|  | for tightening plastic locking nut | 169101 |
|------------------------------------------------------------------------------------|------------------------------------|--------|

## Installation equipment

Mshrm sty-pt button w. key lck EMERGENCY STOP



8602C3-009-S .. MS4 Art. No. 270417

### Pressure plates

#### Art. No.



Dia. 37 mm  
Three contact elements

215436



Dia. 48.5 mm  
Four 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

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.