

8006/4-082-00 Art. No. 169526



- Can be used as motor, main or load disconnect switches, as well as control switches
- Rated operational voltage up to 690 V AC and 220 V DC
- Different switching arrangements available

### MY R. STAHL 8006B



R. STAHL Series 8006/4 load and motor switches have isolating characteristics and AC-3 and DC-23 switching capacity. This makes them suitable for use as motor switches or main switches. They can also be used as control switches. They are available with different switching arrangements, from 2-pole to 12-pole.

### Technical Data

| Explosion Protection             |                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Application range (zones)        | 1, 2                                                                                                                 |
| IECEX gas certificate            | IECEX PTB 06.0018U                                                                                                   |
| IECEX gas explosion protection   | Ex db eb IIC T6 Gb                                                                                                   |
| ATEX gas certificate             | PTB 01 ATEX 1021 U                                                                                                   |
| ATEX gas certificate             | PTB 01 ATEX 1021 U                                                                                                   |
| ATEX gas explosion protection    | Ex II 2 G Ex db eb IIC T6 Gb                                                                                         |
| FMus certificate                 | 3044997                                                                                                              |
| cFM certificate                  | 3044997C                                                                                                             |
| cULus certificate                | 20131017-E182378                                                                                                     |
| Marking ULus                     | Class I, Zone 1 AEx db eb IIC T6 Gb<br>Class I, Div. 2, Groups A,B,C,D                                               |
| Marking cUL                      | Class I, Zone 1 Ex db eb IIC T6 Gb<br>Class I, Div. 2, Groups A,B,C,D                                                |
| Certificates                     | ATEX (PTB), Brazil (ULB), Canada / USA (UL), Canada (FM), Canada (UL), China (CQST), IECEX (PTB), USA (FM), USA (UL) |
| Electrical Data                  |                                                                                                                      |
| DC rated operational voltage     | 220 V                                                                                                                |
| Rated operational voltage AC UL  | 600 V                                                                                                                |
| Rated operational current for AC | 690 V / 25 A<br>500 V / 32 A                                                                                         |
| Rated operational current for DC | 25 A                                                                                                                 |
| Rated operational current UL     | 25 A                                                                                                                 |
| Short-circuit strength           | 20 kA                                                                                                                |
| Max. short-circuit protection    | 35 A                                                                                                                 |
| Tripping characteristic          | gG                                                                                                                   |
| No. of poles                     | 3                                                                                                                    |

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### Ambient Conditions

|                          |                   |
|--------------------------|-------------------|
| Ambient temperature      | -50 °C ... +70 °C |
| Ambient temperature (UL) | -60 °C ... +80 °C |

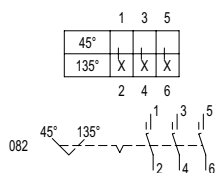
### Mechanical Data

|                                                |                                      |
|------------------------------------------------|--------------------------------------|
| Degree of protection (IP)                      | IP00                                 |
| Enclosure material                             | Epoxy resin                          |
| Contact material                               | Silver stannic oxide                 |
| Base                                           | Without connection                   |
| Connection cross-section                       | 6 mm <sup>2</sup>                    |
| Connection cross section min.                  | 1.5 mm <sup>2</sup>                  |
| Max. connection cross section, solid           | 6 mm <sup>2</sup>                    |
| Max. connection cross-section, finely stranded | 6 mm <sup>2</sup>                    |
| Number of switching positions                  | 2                                    |
| Assembly for swit. arrangement                 | 082                                  |
| Contacts                                       | 3 NO                                 |
| Service life, min.                             | 2 x 10 <sup>5</sup> operating cycles |
| Detailed number of poles                       | 3 P                                  |
| Weight                                         | 420 g                                |
| Weight                                         | 0.93 lb                              |

### Mounting / Installation

|                                     |                |
|-------------------------------------|----------------|
| Connection type                     | Screw terminal |
| Max. USA solid connection terminals | 10 AWG         |

### Technical Drawings – Subject to Alterations



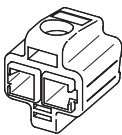
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Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

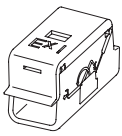


Load and motor switches Series 8006/4, 3-pole and 4-pole

Accessories

| IP20 cover                                                                         |                                                     | Art. No. |
|------------------------------------------------------------------------------------|-----------------------------------------------------|----------|
|  | 1 pc.<br>An IP20 cover is required for each contact | 204108   |

Spare Parts

| Ex i cover                                                                         |                                                    | Art. No. |
|------------------------------------------------------------------------------------|----------------------------------------------------|----------|
|  | for connecting intrinsically safe circuits (2 pcs) | 213610   |

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| Rotary actuator Maxi<br>BG736                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Art. No. |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
|    | <p>8602C3-736-B-XXX-E08<br/>           Ø 64 mm<br/>           Handle colour: Black<br/>           Protective collar colour: Black<br/>           Front panel mounting<br/>           -20 °C ... 60 °C<br/>           Silicone-free: Yes<br/>           Lockable option (max. 3 times) can be determined using the enclosed closing parts.<br/>           Lockable handle position: Not defined.<br/>           In the unmounted assemblies, the standard label is 0/OFF-I/ON and the long coupling part is enclosed.<br/>           Other labels must be ordered separately.</p> | 318417   |
|                                                                                    | <p>8602C3-736-S-XXX-E08<br/>           Ø 64 mm<br/>           Handle colour: Black<br/>           Protective collar colour: Black<br/>           Front panel mounting<br/>           -60 °C ... 70 °C<br/>           Silicone-free: No<br/>           Lockable option (max. 3 times) can be determined using the enclosed closing parts.<br/>           Lockable handle position: Not defined.<br/>           In the unmounted assemblies, the standard label is 0/OFF-I/ON and the long coupling part is enclosed.<br/>           Other labels must be ordered separately.</p>  | 318418   |
| Rotary actuator Maxi<br>BG737                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Art. No. |
|  | <p>8602C3-737-B-XXX-E08<br/>           Ø 64 mm<br/>           Handle colour: Red<br/>           Protective collar colour: Yellow<br/>           Front panel mounting<br/>           -20 °C ... 60 °C<br/>           Silicone-free: Yes<br/>           Lockable option (max. 3 times) can be determined using the enclosed closing parts.<br/>           Lockable handle position: Not defined.<br/>           In the unmounted assemblies, the standard label is 0/OFF-I/ON and the long coupling part is enclosed.<br/>           Other labels must be ordered separately.</p>  | 318419   |
|                                                                                    | <p>8602C3-737-S-XXX-E08<br/>           Ø 64 mm<br/>           Handle colour: Red<br/>           Protective collar colour: Yellow<br/>           Front panel mounting<br/>           -60 °C ... 70 °C<br/>           Silicone-free: No<br/>           Lockable option (max. 3 times) can be determined using the enclosed closing parts.<br/>           Lockable handle position: Not defined.<br/>           In the unmounted assemblies, the standard label is 0/OFF-I/ON and the long coupling part is enclosed.<br/>           Other labels must be ordered separately.</p>   | 318420   |

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| Labels for rotary actuator Maxi BG736, BG737                                      |                           | Art. No. |
|-----------------------------------------------------------------------------------|---------------------------|----------|
|   | Dia. 58.5<br>0/OFF I/ON   | 274882   |
|   | Dia. 58.5<br>0 BETRIEB I  | 263982   |
|   | Dia. 58.5<br>0 I II       | 318507   |
|   | Dia. 58.5<br>I 0 II       | 318502   |
|  | Dia. 58.5<br>0/OFF • I/ON | 318459   |

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.