



- Flexible: Modular design and three sizes make customer-specific versions possible
- Lightweight enclosure made of glass fibre reinforced polyester resin (GRP), suitable for the marine industry and offshore applications

MY R. STAHL 8040B



With the R. STAHL Series 8040 control device system, you can get a clear overview of the control devices. The three combinable sizes and the modular design offer flexibility. You can choose from one standard version and customised variants.

| | IECEx / ATEX | | | | | |
|-----------------|--------------|---|---|----|----|----|
| Zone | 0 | 1 | 2 | 20 | 21 | 22 |
| Installation in | • | • | | • | • | |

| Selection Table | | | | | | | | | |
|-----------------|---|--|---|-------------------------------|---|-------------------------|----------------------|----------|--------|
| Product variant | | Key-operated switch | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
| | – | – | Key-operated switch, Latching/latching | Contact element NC/NO | – | – | 8040/1180X-08M01SA05 | 130902 | 450 g |
| | – | – | Key-operated switch, Latching/latching/latching | Contact element NO/NO | – | – | 8040/1180X-08M03SA04 | 130822 | 450 g |
| Product variant | | LED illuminated pushbutton | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
| | – | – | LED illuminated pushbutton, All colours | Contact element NO / LED / NC | – | – | 8040/1180X-35C06SA45 | 130828 | 400 g |
| Product variant | | LED illuminated pushbutton and selector switch with contact element 8082 | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
| | LED illuminated pushbutton, Clear, With silicone seal | Contact element NO / LED / NC | – | – | Small handle, Latching/latching/latching, I-0-II (2x 60°), With silicone seal | Contact element NO/NO | 8040/1280-K0273 | 244317 | 525 g |

Selection Table

| Product variant LED indicator lamp | | | | | | | | | |
|---|---|----------------------|-----------------------------------|-------------------------|---|-------------------------|--|----------|--------|
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | – | – | Indicator lamp bezel, Clear | LED indicator lamp | – | – | 8040/1180X-54C03SA70 | 130721 | 410 g |
|  | – | – | Indicator lamp bezel, All colours | LED indicator lamp | – | – | 8040/1180X-54C06SA70 | 130890 | 350 g |
| Product variant LED indicator lamp (2x) | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Indicator lamp bezel, Red, With silicone seal | LED indicator lamp | – | – | Indicator lamp bezel, Red, With silicone seal | LED indicator lamp | 8040/1280X-54C01SA70-54C01SA70 | 223293 | 383 g |
| Product variant LED indicator lamp and pushbutton | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Indicator lamp bezel, All colours | LED indicator lamp | – | – | Pushbutton, red – "0" | Contact element NC/NO | 8040/1280X-54C06SA70-01L08SA05 | 130852 | 460 g |
| Product variant LED indicator lamp and selector switch with control switch 8008 | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Indicator lamp bezel, Red, With silicone seal | LED indicator lamp | – | – | Large handle, 0-1, With silicone seal | Control switch 002 | 8040/1391-K0359 | 268151 | 467 g |
| Product variant LED indicator lamp and twin pushbutton | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Indicator lamp bezel, All colours | LED indicator lamp | – | – | Twin pushbutton, Red "0", green "1" | Contact element NC/NO | 8040/1280X-54C06SXXX-23D01SA05 | 130898 | 540 g |
| Product variant LED indicator lamp and two pushbuttons | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Indicator lamp bezel, All colours | LED indicator lamp | Pushbutton, Green - "1" | Contact element NC/NO | Pushbutton, red – "0" | Contact element NC/NO | 8040/1380X-54C06SA70-01L13SA05-01L08SA05 | 130900 | 640 g |
|  | Indicator lamp bezel, Clear | LED indicator lamp | Pushbutton, Green - "1" | Contact element NC/NO | Pushbutton, red – "0" | Contact element NC/NO | 8040/1380X-54C03SA70-01L13SA05-01L08SA05 | 130702 | 680 g |

| Selection Table | | | | | | | | | |
|---|-----------------------------------|----------------------|---|------------------------------|---------------------------------|-------------------------|--|----------|--------|
| Product variant LED indicator lamp, twin pushbutton and mushroom stay-put button | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Indicator lamp bezel, All colours | LED indicator lamp | Twin pushbutton, Red "0", green "I" | Contact element NC/NO | EM-ST.mush. stay-p.but.w.k.lock | Contact element NC/NO | 8040/1380X-54C06SA70-23D01SA05-09XXXSA05 | 130903 | 750 g |
| Product variant Mushroom pushbutton | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | Mushroom pushbutton, Black - "I" | Contact element NC/NO | - | - | 8040/1180X-03L24SA05 | 130813 | 400 g |
| Product variant Mushroom stay-put button | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | EM-STOP mush. stay-put button, Red - (rotating arrow) | Contact element NC | - | - | 8040/1170X-10L07SA01 | 130740 | 406 g |
| | - | - | EM-STOP mush. stay-put button, Red - (rotating arrow), With silicone seal | Contact element NC/NO | - | - | 8040/1198-K0257 | 241822 | 221 g |
| | - | - | EM-STOP mush. stay-put button, Red - (rotating arrow) | Contact element NC/NO | - | - | 8040/1180X-10L07SA05 | 130679 | 400 g |
| | - | - | EM-STOP mush. stay-put button, Red - (rotating arrow), With silicone seal | Contact element NC / NC / NC | - | - | 8040/1180X-10L07SA06 | 244092 | 383 g |
| | - | - | EM-STOP mush. stay-put button, Red - (rotating arrow) | Contact element NC / NO / NC | - | - | 8040/1180X-10L07SA08 | 130819 | 410 g |
|  | - | - | EM-STOP mushroom stay-put button 55, Red - (rotating arrow) | Contact element NC/NO | - | - | 8040/1180X-15L07SA05 | 130816 | 400 g |
| Product variant Mushroom stay-put button with key lock | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | EM-STOP mushroom stay-put button with key lock | Contact element NC/NO | - | - | 8040/1180X-09XXXSA05 | 130665 | 450 g |
| Product variant Pushbutton | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | Pushbutton, Red "0", green "I" | Contact element NC/NO | - | - | 8040/1180X-01L50SA05 | 130686 | 370 g |

Selection Table

| Product variant Pushbutton (2x) | | | | | | | | | |
|---|---------------------------|-----------------------|---|-------------------------|------------------------------|-------------------------|--|----------|--------|
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Pushbutton, Green - "I" | Contact element NC/NO | - | - | Pushbutton, red - "0" | Contact element NC/NO | 8040/1280X-01L13SA05-01L08SA05 | 130692 | 460 g |
| Product variant Pushbutton (3x) | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | Pushbutton, Green - "I" | Contact element NC/NO | Pushbutton, Red - "0" | Contact element NC/NO | Pushbutton, green - "II" | Contact element NC/NO | 8040/1380X-01L13SA05-01L08SA05-01L15SA05 | 130861 | 580 g |
| | | Contact element NO | Pushbutton, Red - "0" | Contact element NC | Pushbutton, green - "II" | Contact element NO | 8040/1380X-01L13SA02-01L08SA01-01L15SA02 | 130908 | 680 g |
| Product variant Selector switch with contact element 8082 | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | Small handle, Latching/latching, 0/OFF-I/ON (1x 60°) | Contact element NC/NO | - | - | 8040/1180X-26M01SA05 | 130834 | 420 g |
|  | - | - | Small handle, Latching/latching/latching, I-0-II (2x 60°) | Contact element NO/NO | - | - | 8040/1180X-26M03SA04 | 130837 | 420 g |
| Product variant Selector switch with control switch 8008 | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | Small handle, 0/OFF-I/ON (1x 90°), With silicone seal | Control switch 002 | - | - | 8040/1178X-34H2SF01 | 244311 | 327 g |
| Product variant Twin pushbutton | | | | | | | | | |
| Figure | Installation position top | Built-in element top | Installation position middle | Built-in element middle | Installation position bottom | Built-in element bottom | Product Type | Art. No. | Weight |
|  | - | - | Twin pushbutton, Red "0", green "I" | Contact element NC/NO | - | - | 8040/1180X-23D01SA05 | 130825 | 400 g |

Technical Data

| Variant |
|---------------------------------|
| Explosion Protection |
| IECEx gas explosion protection |
| IECEx dust explosion protection |
| ATEX gas explosion protection |
| ATEX dust explosion protection |
| Certificates |
| Notes |

| Technical Data | |
|-------------------------------------|--|
| Variant | |
| Electrical Data | |
| AC rated operational voltage | 550 V |
| Rated operational current | 10 A (T6) |
| Ambient Conditions | |
| Ambient temperature | -60 °C ... 40 °C (T6) -60 °C ... 55 °C (T5) |
| Mechanical Data | |
| Degree of protection IP (IEC 60529) | IP66 |
| Enclosure material | Polyester resin, Glass fibre reinforced |
| Seal | Silicone, foamed |
| Silicone-free | No |
| Cover fixing type | With captive screws, M4 stainless steel screws |
| Connection cross-section max. | 2.5 mm ² |
| Notes | Actuator and screw connection with silicone as standard. Silicone-free only on request |

Technical data – components for control devices Series 8040

| Version | Series 8008 control switch |
|---|---|
|  | AC rated operational voltage 690 V |
| DC rated operational voltage | 230 V |
| Utilisation category | AC-1 16 A 690 V AC-3 16 A 690 V (load disconnect switch 8008/2-6) AC-15 16 A 415 V DC-1 10 A 220 V (three conducting paths in series) |
| Service temperature | T6 at 16 A: -60 to +60 °C |
| Version | Series 8082 contact element for installation on mounting rail |
|  | Rated operational voltage max. 500 V Ambient temperature -60 °C ... +70 °C (T6) Rated operating characteristics according to utilisation category AC-12 10 A 250 V 7.5 A 400 V 5 A 550 V AC-15 10 A 110 V 6 A 250 V 4 A 400 V DC-13 6 A 60 V DC-13 2.5 A* 110 V 1 A* 230 V * (two contact elements in series) |
| | Rated operational current for gold-plated contacts 10 to 150 mA for silver-nickel contacts > 150 mA |
| | Note: For offshore and corrosive environments, we recommend using contact elements from Series 8208 |
| Version | Series 8405 ammeter |
|  | Rated operational voltage max. 500 V Ambient temperature -40 °C ... +40 °C (IIC T6) -40 °C ... +55 °C (T5) -40 °C ... +70 °C (T4) Accuracy Class 2.5 |
| Version | Series 8010 indicator lamp |
|  | Rated operational voltage Ex e: 12 to 240 V, AC/DC (±10%) Ex i: 10.8 to 30 V DC Rated operational current I _e Ex i: Max. 15 mA Rated operational power max. 1 W Frequency range 0 to 60 Hz |

| Accessories | | Art. No. | Weight |
|---|---|----------|--------|
| Figure | Description | | |
| Cylinder lock | for closing (bracket Ø 3) | 107115 | 20 g |
|  | | | |
| Illuminated pushbutton (spring return) BG735 | Ø 39 mm Black Front panel mounting All colours Silicone-free: No | 244655 | 35 g |
|  | | | |
| Indicator lamp bezel BG054 | Diameter 39 mm All colours Silicone-free: No | 223123 | 24 g |
|  | | | |
| Key-operated switch actuator BG008 | Ø 39 mm Black Closing: MS1 Number of switching positions: 2 Front panel mounting Switching function: Latching / Latching Silicone-free: No | 244574 | 50 g |
|  | | | |
| Key-operated switch actuator BG008 | Ø 39 mm Black Closing: MS1 Number of switching positions: 3 Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No | 244633 | 50 g |
|  | | | |
| Locking devices | | | |
|  | 8602C3-752 for actuated mushroom stay-put button BG010, BG012 | 244869 | 90 g |
|  | 8602C3-753 for not actuated pushbutton BG001 | 244870 | 90 g |
|  | 8602C3-756 for actuated mushroom stay-put button BG010, BG012 | 244873 | 90 g |
|  | 8602C3-755 for not actuated pushbutton BG001 | 244872 | 90 g |
|  | 8602C3-754 for actuated pushbutton BG001 | 244871 | 90 g |

| Accessories | | Figure | Description | Art. No. | Weight |
|--|---|--|-------------|----------|--------|
| Mushroom pushbutton, black BG003 |  | Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: No | | 244564 | 50 g |
| Mushroom stay-put button 55 mm EM-STOP BG015 |  | Ø 55 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: No | | 244637 | 55 g |
| Mushroom stay-put button EM-STOP BG010 |  | Ø 39 mm Yellow/red Designation plate: With yellow backing plate Front panel mounting Silicone-free: No | | 223698 | 50 g |
| Mushroom stay-put button with key lock, EM-STOP BG009 |  | Ø 39 mm Yellow/red Designation plate: With yellow backing plate Closing: MS1 Front panel mounting Silicone-free: No | | 223694 | 75 g |
| Protective collar |  | 8602C3-751 plastic/red for mushroom stay-put button with key lock/mushroom stay-put button dia. 39 BG006, BG009, BG010, BG012 | | 257707 | 20 g |
| |  | 8602C3-751 plastic/yellow for mushroom stay-put button with key lock/mushroom stay-put button dia. 39 BG006, BG009, BG010, BG012 | | 257708 | 20 g |
| Pushbutton BG001 |  | Ø 39 mm Black Designation plate: Black, blank disc without text Front panel mounting Silicone-free: No | | 223692 | 34 g |
| Rotary actuator Maxi BG736 |  | 8602C3-736-S-XXX-E08 Ø 64 mm Handle colour: Black Protective collar colour: Black Front panel mounting -60 °C ... 70 °C Silicone-free: No Lockable option (max. 3 times) can be determined using the enclosed closing parts. Lockable handle position: Not defined. In the unmounted assemblies, the standard label is 0/OFF-I/ON and the long coupling part is enclosed. Other labels must be ordered separately. | | 318418 | 71 g |

| Accessories | | Art. No. | Weight |
|---|--|----------|--------|
| Figure | Description | | |
| Rotary actuator, small, lockable ASSY734 | Diameter 39 mm, lockable using 1 lock, 90° position Seal: Silicone, up to -60 ° | 227360 | 40 g |
|  | | | |
| Small rotary actuator, not lockable BG726 | Ø 39 mm Black Designation plate: I - 0 - II Number of switching positions: 3 Lockable in: Not padlockable Front panel mounting Switching function: Latching / Latching / Latching Silicone-free: No | 244649 | 40 g |
|  | | | |
| Small rotary actuator, not lockable BG726 | Ø 39 mm Black Designation plate: 0/OFF - I/ON Number of switching positions: 2 Lockable in: Not padlockable Front panel mounting Switching function: Latching / Latching Silicone-free: No | 244647 | 40 g |
|  | | | |
| Twin pushbutton BG023 | Black Front panel mounting Silicone-free: No | 244639 | 45 g |
|  | | | |

| Spare Parts | | Art. No. | Weight |
|---|--|----------|--------|
| Figure | Description | | |
| Caps for BG054 | for indicator lamp, all colours packaged | 248685 | 10 g |
|  | | | |
| Colour filter for BG 735 | for illuminated pushbutton, all colours packaged | 248684 | 5 g |
|  | | | |
| Designation plate for pushbutton and selector switch | | | |
|  | Red Text: O | 227740 | 1 g |
|  | Green Text: I | 227750 | 1 g |

| Spare Parts | | | |
|---|---|----------|--------|
| Figure | Description | Art. No. | Weight |
| Designation plates set for BG001, BG023 | | | |
| | The button label set contains nine labels 6x blank disc without text in red, green, white, blue, yellow and black 1x red label, text: STOP 1x green label, text: START 1x blue label, text: RESET | 321791 | 4 g |
| Label holder | | | |
| | Size 1, without insert disc, 1-line label for actuators Ø 39 | 223566 | 2 g |
| | Size 2, without insert disc, 1- or 2-line label for actuators Ø 39 | 223567 | 2 g |
| | Size 3, without insert disc, 1-, 2- or 3-line label for actuators Ø 39 | 223568 | 2 g |
| Label set for BG732 | | | |
| | 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 | 4 g |
| Labels for large BG 728, BG 729, BG 730, BG 731 rotary actuator | | | |
| | Dia. 58 0 / 1 | 227009 | 1 g |
| Spare key | | | |
| | Closing MS1 | 107109 | 8 g |
| Special key | | | |
| | for tightening plastic locking nut | 169101 | 30 g |
| Tag label | | | |
| | plain for attaching to enclosure 8040; moulded material; with paper insert strip | 130673 | 32 g |

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

E4

