

8006/4-238-00 Art. No. 169562



- Can be used as a motor, main and load disconnect switch, as well as a control switch
- Rated operational voltage up to 690 V AC and 220 V DC
- A variety of switching arrangements available

### MY R. STAHL 8006B



R. STAHL's 8006/4 series load and motor switches have isolating functions 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 two-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 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 Class I, Div. 2, Groups A,B,C,D
Marking cUL	Class I, Zone 1 Ex db eb IIC T6 Gb 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)

### Electrical Data

Rated operational voltage DC	220 V
AC UL rated operational voltage	600 V
Rated operational current for DC	25 A
UL rated operational current	25 A
Short-circuit strength	20 kA
Short-circuit protection, max.	35 A
Tripping characteristic	gG

### Ambient Conditions

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

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### Mechanical Data

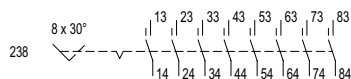
Degree of protection (IP)	IP00
Enclosure material	Epoxy resin
Contact material	Silver stannic oxide
Base	Without connection
Connection cross-section	6 mm <sup>2</sup>
Connection cross section min.	1.5 mm <sup>2</sup>
Max. connection cross section, solid	6 mm <sup>2</sup>
Max. connection cross-section, finely stranded	6 mm <sup>2</sup>
Number of switching positions	9
Assembly for switching arrangement	238
Contacts	8 NO
Service life, min.	2 x 10 <sup>5</sup> operating cycles
Detailed number of poles	8 P
Weight	736 g
Weight	1.62 lb

### Mounting / Installation

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

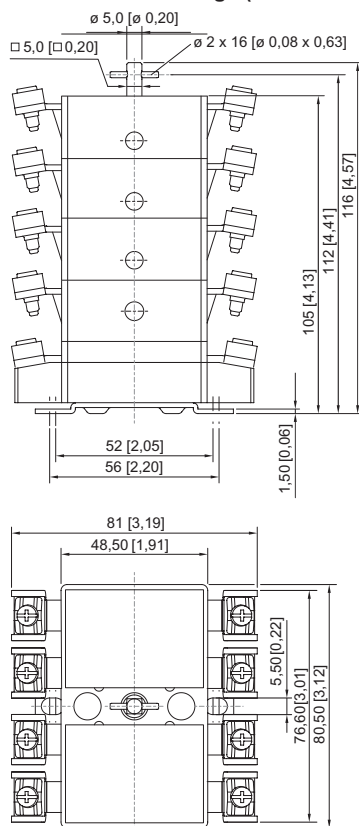
### Technical Drawings – Subject to Alterations

	13	23	33	43	53	63	73	83
0°								
30°	X							
60°		X						
90°			X					
120°				X				
150°					X			
180°						X		
210°							X	
240°								X
	14	24	34	44	54	64	74	84



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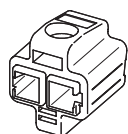
**Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations**



Load and motor switch Series 8006/4, 7 poles and 8 poles

### Accessories

#### IP20 cover



1 piece  
each contact requires IP20 coverage

#### Art. No.

204108

#### Rotary actuator, large



8602C3-730-S-90X-E08  
 Ø 65 mm  
 Handle colour: Red  
 Protective collar colour: Yellow  
 Designation plate: 0/OFF – I/ON  
 Lockable in: 90°  
 Not installed  
 -60 °C ... +70 °C  
 Silicone-free: No

#### Art. No.

227220

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	<p>8602C3-731-B-90X-E08                  Ø 65 mm                  Handle colour: Black                  Protective collar colour: Black                  Designation plate: 0/OFF – I/ON                  Lockable in: 90°                  Not installed                  -20 °C ... +60 °C                  Silicone-free: Yes</p>	227223
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**Rotary actuator, large  
BG731**

		Art. No.
	<p>8602C3-731-S-90X-E08                  Ø 65 mm                  Handle colour: Black                  Protective collar colour: Black                  Designation plate: 0/OFF – I/ON                  Lockable in: 90°                  Not installed                  -60 °C ... +70 °C                  Silicone-free: No</p>	227224

**Spare Parts**

**Ex i cover**

		Art. No.
	to connect intrinsically safe circuits (2 pieces)	213610

**Labels for large BG 728, BG 729, BG 730, BG 731 rotary actuator**

		Art. No.
	Dia. 58, yellow 0/OFF I/ON	227013






**Rotary actuator, large**

		Art. No.
	<p>8602C3-730-B-90X-E08                  Ø 65 mm                  Handle colour: Red                  Protective collar colour: Yellow                  Designation plate: 0/OFF – I/ON                  Lockable in: 90°                  Not installed                  -20 °C ... +60 °C                  Silicone-free: Yes</p>	227219

**Labels for large BG 728, BG 729, BG 730, BG 731 rotary actuator**

		Art. No.
	Dia. 58 0/OFF I/ON	227004

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	Dia. 58 0 OPERATION I	227005
	Dia. 58 0 I II	227006
	Dia. 58 I 0 II	227007
	Dia. 58 0/OFF o I/ON	227012
	Dia. 58 Plain	227014

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