

# Emergency Stop Switch Contact Block

## SC20I01S

Part Number



- Integrated defect protection
- Narrow installation width

Contact blocks are suitable for applications up to PL e per EN ISO 13849-1 and up to SIL CL 3 per EN 62061.

### Technical Data

#### Electrical Data

Temperature Range	-30...85 °C
Storage temperature	-50...85 °C
Service Life (nominal load)	20000 Switching Cycles
Protective Insulation, Rated Voltage	250 V

#### Mechanical Data

Contact material	AgNi
Service Life	20000 Switching Cycles
Bounce time	< 10 ms
Connection	Screw-type connection
Clampable Wire Cross-Section	2,5 mm <sup>2</sup>

#### Safety-relevant Data

B10d Switching Cycles	104 000
Number of positively driven contacts	2

#### Function

Fault Protection	yes
Applicable actuator	SEAC01 SEAN01 SEAP01

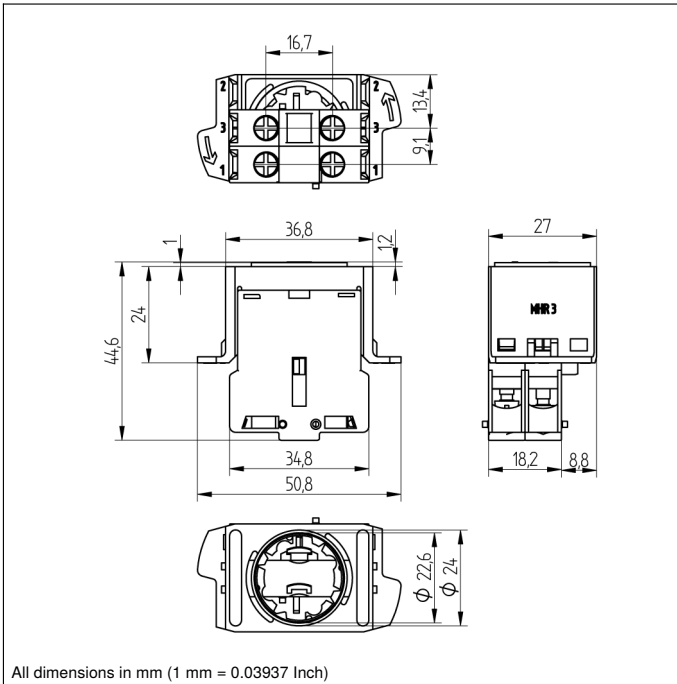
Connection Diagram No.

**P06**

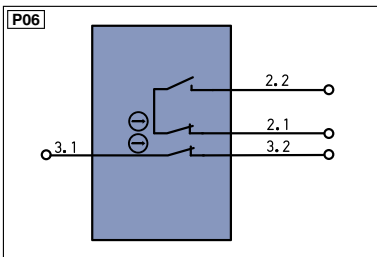
Actuator must be ordered separately (not included in delivery)

### Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S  
Software



All dimensions in mm (1 mm = 0.03937 Inch)



#### Legend

<b>+</b> Supply Voltage +	<b>PT</b> Platinum measuring resistor	<b>EN<sub>A</sub>RS422</b> Encoder A/Ā (TTL)
<b>-</b> Supply Voltage 0 V	<b>nc</b> not connected	<b>EN<sub>B</sub>RS422</b> Encoder B/B̄ (TTL)
<b>~</b> Supply Voltage (AC Voltage)	<b>U</b> Test Input	<b>EN<sub>A</sub></b> Encoder A
<b>A</b> Switching Output (NO)	<b>Ū</b> Test Input inverted	<b>EN<sub>B</sub></b> Encoder B
<b>Ā</b> Switching Output (NC)	<b>W</b> Trigger Input	<b>A<sub>MIN</sub></b> Digital output MIN
<b>V</b> Contamination/Error Output (NO)	<b>W-</b> Ground for the Trigger Input	<b>A<sub>MAX</sub></b> Digital output MAX
<b>Ṽ</b> Contamination/Error Output (NC)	<b>O</b> Analog Output	<b>A<sub>OK</sub></b> Digital output OK
<b>E</b> Input (analog or digital)	<b>O-</b> Ground for the Analog Output	<b>SY<sub>in</sub></b> Synchronization In
<b>T</b> Teach Input	<b>BZ</b> Block Discharge	<b>SY<sub>OUT</sub></b> Synchronization OUT
<b>Z</b> Time Delay (activation)	<b>A<sub>WV</sub></b> Valve Output	<b>OL<sub>T</sub></b> Brightness output
<b>S</b> Shielding	<b>a</b> Valve Control Output +	<b>M</b> Maintenance
<b>RxD</b> Interface Receive Path	<b>b</b> Valve Control Output 0 V	<b>rsv</b> reserved
<b>TxD</b> Interface Send Path	<b>SY</b> Synchronization	Wire Colors according to DIN IEC 757
<b>RDY</b> Ready	<b>SY-</b> Ground for the Synchronization	<b>BK</b> Black
<b>GND</b> Ground	<b>E+</b> Receiver-Line	<b>BN</b> Brown
<b>CL</b> Clock	<b>S+</b> Emitter-Line	<b>RD</b> Red
<b>E/A</b> Output/Input programmable	<b>±</b> Grounding	<b>OG</b> Orange
<b>IO-Link</b>	<b>S<sub>nR</sub></b> Switching Distance Reduction	<b>YE</b> Yellow
<b>PoE</b> Power over Ethernet	<b>Rx+/-</b> Ethernet Receive Path	<b>GN</b> Green
<b>IN</b> Safety Input	<b>Tx+/-</b> Ethernet Send Path	<b>BU</b> Blue
<b>OSSD</b> Safety Output	<b>Bus</b> Interfaces-Bus A(+)/B(-)	<b>VT</b> Violet
<b>Signal</b> Signal Output	<b>L<sub>a</sub></b> Emitted Light disengageable	<b>GY</b> Grey
<b>Bl_D+/-</b> Ethernet Gigabit bidirect. data line (A-D)	<b>Mag</b> Magnet activation	<b>WH</b> White
<b>EN<sub>0</sub>RS422</b> Encoder 0-pulse 0-0̄ (TTL)	<b>RES</b> Input confirmation	<b>PK</b> Pink
	<b>EDM</b> Contactor Monitoring	<b>GNYE</b> Green/Yellow

