

# 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
Protective Insulation, Rated Voltage	250 V

#### Mechanical Data

Contact material	AgNi
Service Life (Switching Cycle)	20000
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

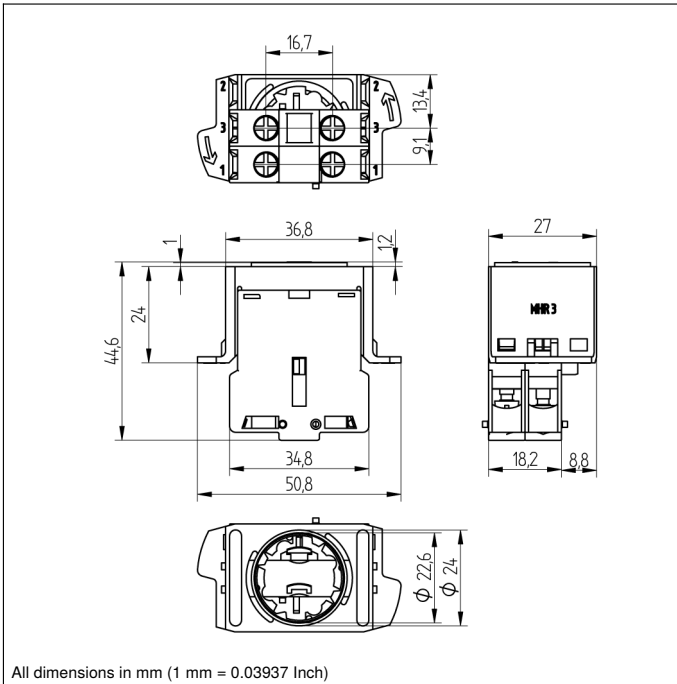
Connection Diagram No.

**P06**

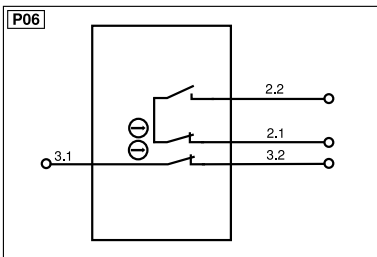
Actuator must be ordered separately (not included in delivery)

### Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S  
Software



All dimensions in mm (1 mm = 0.03937 Inch)



Legend			
+	Supply Voltage +	nc	Not connected
-	Supply Voltage 0 V	U	Test Input
~	Supply Voltage (AC Voltage)	Ü	Test Input inverted
A	Switching Output (NO)	W	Trigger Input
Ā	Switching Output (NC)	W-	Ground for the Trigger Input
V	Contamination/Error Output (NO)	O	Analog Output
ȳ	Contamination/Error Output (NC)	O-	Ground for the Analog Output
E	Input (analog or digital)	BZ	Block Discharge
T	Teach Input	Amv	Valve Output
Z	Time Delay (activation)	a	Valve Control Output +
S	Shielding	b	Valve Control Output 0 V
RxD	Interface Receive Path	SY	Synchronization
TxD	Interface Send Path	SY-	Ground for the Synchronization
RDY	Ready	E+	Receiver-Line
GND	Ground	S+	Emitter-Line
CL	Clock	±	Grounding
E/A	Output/Input programmable	SnR	Switching Distance Reduction
IO-Link	IO-Link	Rx+/-	Ethernet Receive Path
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)
OSSD	Safety Output	La	Emitted Light disengageable
Signal	Signal Output	Mag	Magnet activation
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
ENo RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contactor Monitoring
PT	Platinum measuring resistor	ENARs422	Encoder A/Ā (TTL)
		ENBRs422	Encoder B/B̄ (TTL)
		ENa	Encoder A
		ENb	Encoder B
		AMIN	Digital output MIN
		AMAX	Digital output MAX
		Aok	Digital output OK
		SY In	Synchronization In
		SY OUT	Synchronization OUT
		OLT	Brightness output
		M	Maintenance
		rsv	Reserved
		Wire Colors according to DIN IEC 60757	
		BK	Black
		BN	Brown
		RD	Red
		OG	Orange
		YE	Yellow
		GN	Green
		BU	Blue
		VT	Violet
		GY	Grey
		WH	White
		PK	Pink
		GNYE	Green/Yellow

