

Emergency Stop Switch

Contact Block

SC21I01S

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 ²

Safety-relevant Data

B10d Switching Cycles	104 000
Number of positively driven contacts	2
NO Contacts	1

Function

Fault Protection	yes
Applicable actuator	SEAC01
	SEAN01
	SEAP01

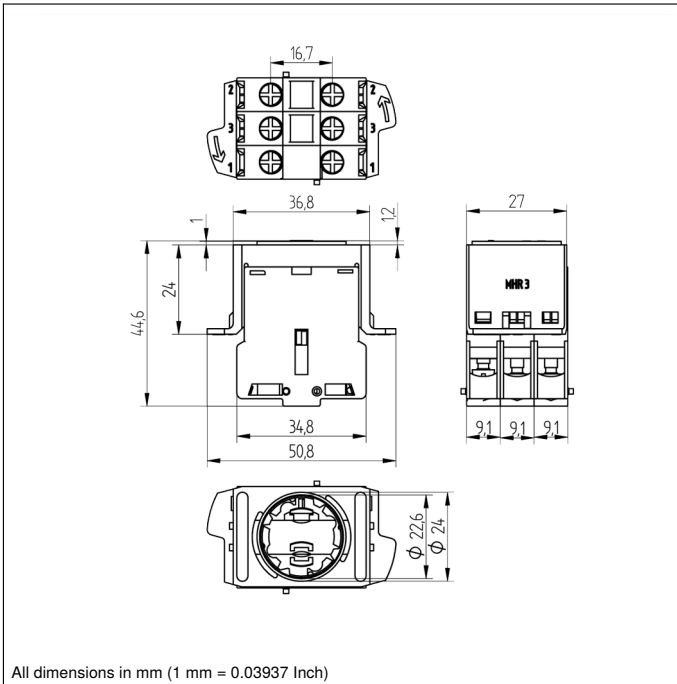
Connection Diagram No.

P07

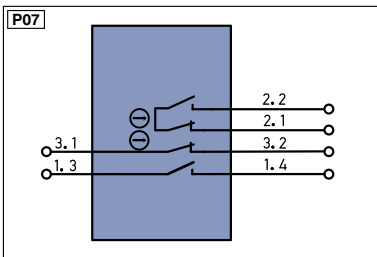
Actuator must be ordered separately (not included in delivery)

Complementary Products


Safety Relay SR4B3B01S, SR4D3B01S
Software



All dimensions in mm (1 mm = 0.03937 Inch)



Legend

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

