

Emergency Stop Switch

Contact Block

SC21J01S

Part Number



- Including illumination module
- Integrated defect protection

Technical Data

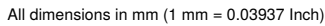
Electrical Data	
Temperature Range	-30...70 °C
Storage temperature	-50...85 °C
Service Life (nominal load)	20000 Switching Cycles
Protective Insulation, Rated Voltage	250 V
Mechanical Data	
Contact material	AgNi
Service Life	20000 Switching Cycles
Bounce time	< 10 ms
Connection	Screw-type connection
Clampable Wire Cross-Section	2,5 mm²
Safety-relevant Data	
B10d Switching Cycles	104 000
Number of positively driven contacts	2
NO Contacts	1
Function	
Fault Protection	yes
Lighting module	yes
Applicable actuator	SEAL01
Connection Diagram No.	P09

Actuator must be ordered separately (not included in delivery)

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

Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S
Software



+	Supply Voltage +
-	Supply Voltage 0 V
~	Supply Voltage (AC Voltage)
A	Switching Output (NO)
Ā	Switching Output (NC)
V	Contamination/Error Output (NO)
Ī	Contamination/Error Output (NC)
E	Input (analog or digital)
T	Teach Input
Z	Time Delay (activation)
S	Shielding
RxD	Interface Receive Path
TxD	Interface Send Path
RDY	Ready
GND	Ground
CL	Clock
E/A	Output/Input programmable
	IO-Link
PoE	Power over Ethernet
IN	Safety Input
QSD	Safety Output
Signal	Signal Output
BL-D ^{+/−}	Ethernet Gigabit bidirect. data line (A-D)
EN0-PSA2	Encoder 0-pulse 0-0 (TTL)

PT	Platinum measuring resistor
nc	not connected
U	Test Input
Ū	Test Input inverted
W	Trigger Input
W-	Ground for the Trigger Input
O	Analog Output
O-	Ground for the Analog Output
BZ	Block Discharge
AWV	Valve Output
a	Valve Control Output +
b	Valve Control Output 0 V
SY	Synchronization
SY-	Ground for the Synchronization
E+	Receiver-Line
S+	Emitter-Line
±	Grounding
SnR	Switching Distance Reduction
Rx+/-	Ethernet Receive Path
Tx+/-	Ethernet Send Path
Bus	Interfaces-Bus A(+)/B(-)
La	Emitted Light disengageable
Mag	Magnet activation
RES	Input confirmation
EDM	Contacteur Monitoring

EN _{A542}	Encoder A/Ā (TTL)
EN _{B542}	Encoder B/B̄ (TTL)
EN _A	Encoder A
EN _B	Encoder B
AMIN	Digital output MIN
AMAX	Digital output MAX
AO _K	Digital output OK
SY _{IN}	Synchronization In
SY _{OUT}	Synchronization OUT
Q _{LT}	Brightness output
M	Maintenance
RSV	reserved
Wire Colors according to DIN IEC 757	
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

Wire Colors according to DIN IEC 757

BK Black

BN	Brown
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RD	Red
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OG Orange

YE	Yellow
GN	Green

GN	Green
BN	Blue

BU	Blue
VT	White

VI	Violet
CY	Cyan

GY	Grey
W/H	White

WH	White
BK	Black

FR	Pink
GNYF	Green/Yellow

NOTE: Green/Yellow