

Emergency Stop Switch

Complete Set

SEM21N0189

Part Number



Technical Data

Electrical Data

Temperature Range	-25...70 °C
Storage temperature	-25...85 °C
Service Life (nominal load)	50000 Switching Cycles
Protection Class	II

Mechanical Data

Housing Material	Plastic
Service Life	50000 Activations
Bounce time	< 10 ms
Degree of Protection	IP65
Installation Type	Setting up
Unlocking	turning
Connection	M12 x 1; 8-pin

Safety-relevant Data

B10d Switching Cycles	250 000
Number of positively driven contacts	2
NO Contacts	1

Function

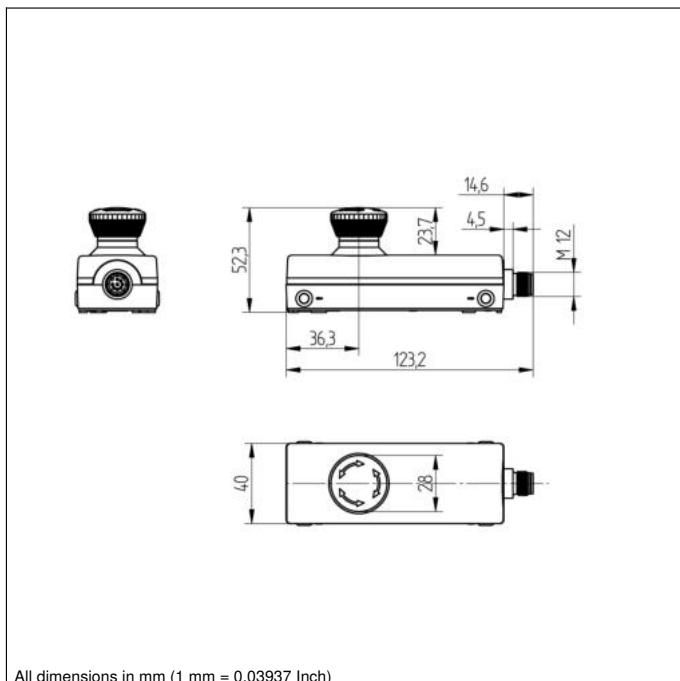
Switching position indicator	yes
Connection Diagram No.	P05
Suitable Connection Equipment No.	89

- **M12 connection**
- **Simple installation on profiles and walls**
- **Slender housing**
- **Unlocking by turning left or right**

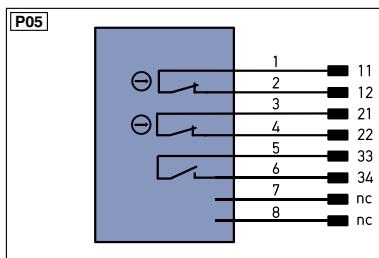
Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S

Software



All dimensions in mm (1 mm = 0.03937 Inch)


Legend

PT	Platinum measuring resistor
nc	not connected
U	Test Input
Ü	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
E-	Emitter-Line
±	Grounding
SnR	Switching Distance Reduction
RxD	Interface Receive Path
TxD	Interface Send Path
RDY	Ready
GND	Ground
CL	Clock
E/A	Output/Input programmable
IO-Link	IO-Link
PoE	Power over Ethernet
IN	Safety Input
OSO	Safety Output
Signal	Signal Output
BL-D	Ethernet Gigabit bidirect. data line (A-D)
EN0RS422	Encoder 0-pulse 0-0 (TTL)
ENARS422	Encoder A/A (TTL)
ENBRS422	Encoder B/B (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 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

