

Emergency Stop Switch

Complete Set

SEM20N0102

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; 4-pin

Safety-relevant Data

B10d Switching Cycles	250 000
Number of positively driven contacts	2

Function

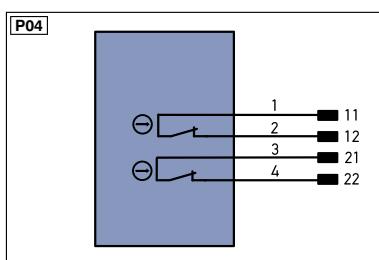
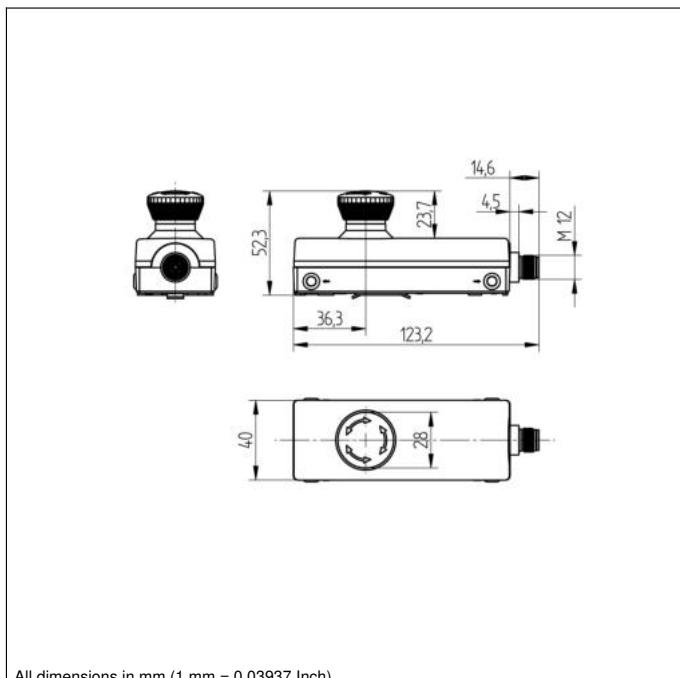
Switching position indicator	yes
Connection Diagram No.	P04
Suitable Connection Equipment No.	2

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

Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S

Software


Legend

+	Supply Voltage +	PT	Platinum measuring resistor
-	Supply Voltage 0 V	nc	not connected
~	Supply Voltage (AC Voltage)	U	Test Input
A	Switching Output (NO)	Ü	Test Input inverted
Ā	Switching Output (NC)	W	Trigger Input
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input
Ā	Contamination/Error Output (NC)	O	Analog Output
E	Input (analog or digital)	O-	Ground for the Analog Output
T	Teach Input	BZ	Block Discharge
Z	Time Delay (activation)	Awv	Valve Output
S	Shielding	a	Valve Control Output +
		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	E-	Emitter-Line
CL	Clock	±	Grounding
E/A	Output/Input programmable	SnR	Switching Distance Reduction
	IO-Link	Rx+/-	Ethernet Receive Path
PoE	Power over Ethernet	Tx+/-	Ethernet Send Path
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)
OSD	Safety Output	La	Emitted Light disengageable
Signal	Signal Output	Mag	Magnet activation
BLD	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation
EN0RS422	Encoder 0-pulse 0-0 (TTL)	EDM	Contactor Monitoring

EN0RS422 Encoder A/A (TTL)

EN0RS422 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

