

Emergency Stop Switch

Complete Set

SEM21N0189

Part Number



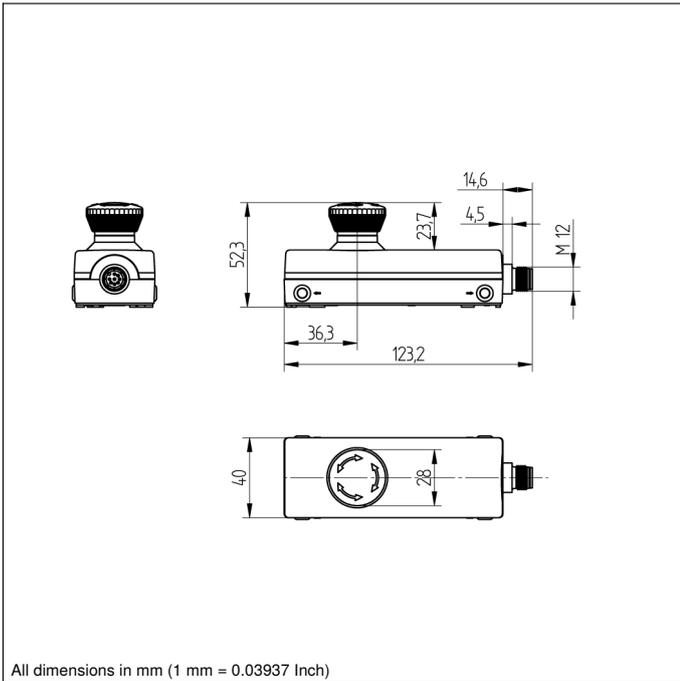
- M12 connection
- Simple installation on profiles and walls
- Slender housing
- Unlocking by turning left or right

Technical Data

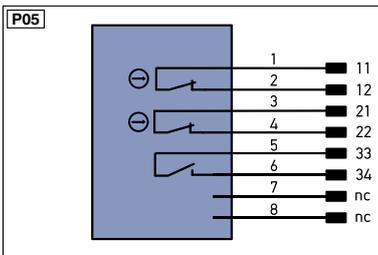
Electrical Data	
Temperature Range	-25...70 °C
Storage temperature	-25...85 °C
Service Life (nominal load)	50000 Switching Cycles
Protection Class	II
Mechanical Data	
Housing Material	Plastic
Service Life	50000 Activations
Bounce time	< 10 ms
Degree of Protection	IP65
Installation Type	Setting up
Unlocking	turning
Connection	M12 × 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

Complementary Products

Safety Relay SR4B3B01S, SR4D3B01S
Software



All dimensions in mm (1 mm = 0.03937 Inch)



Legend	
+	Supply Voltage +
-	Supply Voltage 0 V
~	Supply Voltage (AC Voltage)
A	Switching Output (NO)
Ā	Switching Output (NC)
V	Contamination/Error Output (NO)
Ṽ	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
OSSD	Safety Output
Signal	Signal Output
Bl..D+/-	Ethernet Gigabit bidirect. data line (A-D)
EN0..RS422	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
S _n R	Switching Distance Reduction
Rx+/-	Ethernet Receive Path
Tx+/-	Ethernet Send Path
Bus	Interfaces-Bus A(+)/B(-)
L _a	Emitted Light disengageable
Mag	Magnet activation
RES	Input confirmation
EDM	Contactur Monitoring
EN0..RS422	Encoder A/Ā (TTL)
EN0..RS422	Encoder B/B̄ (TTL)
EN _A	Encoder A
EN _B	Encoder B
A _{MIN}	Digital output MIN
A _{MAX}	Digital output MAX
A _{OK}	Digital output OK
SY _{in}	Synchronization In
SY _{OUT}	Synchronization OUT
OL _T	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

