I2/SVB main switch

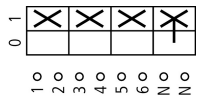
Part no. **P1-25/I2/SVB/N**

Article no. **207298**

IP 65

IP 65

Delivery programme

			As Emergency-Stop device
			Without auxiliary contacts
Contact sequence			
Main conducting paths			
No. of poles		M	3 + N
Auxiliary contacts			
		N/O	0
		B	0
Max. motor rating			
AC-23A			
400/415 V </br>50-60 Hz </br>	*P*	kW	13
Rated uninterrupted current	I_u	A	25
Design			Surface mounting
Protection type			-
Note for table headerAccording to IEC/EN 60204-1, VDE 0113 Part 1; with red rotary handle and yellow locking collar, lockable in 0 position			

General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch disconnector according to IEC/EN 60947-3
Lifespan, mechanical	Operations	$\times 10^6$	0.3
Maximum operating frequency	Operations/h		50
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	– -25 … 50
Enclosed		°C	- -25 … 40
Mounting position			As required
Mechanical shock resistance to IEC 60068-2-27	Half-sinusoidal shock 20 ms	g	> 15

Contacts

Rated operational voltage	U_e	V AC	690
Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current	I_u	A	
open	I_u	A	25
Enclosed	I_u	A	25
Load rating with intermittent operation, class 12			
AB 25 % DF		$\times I_e$	2
AB 40 % DF		$\times I_e$	1.6
AB 60 % DF		$\times I_e$	1.3
Short-circuit rating			

Fuse		A gG/gL	25
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	640
Switching angles		°	90
Current heat loss per contact at I_e		W	1.1

Terminal capacities

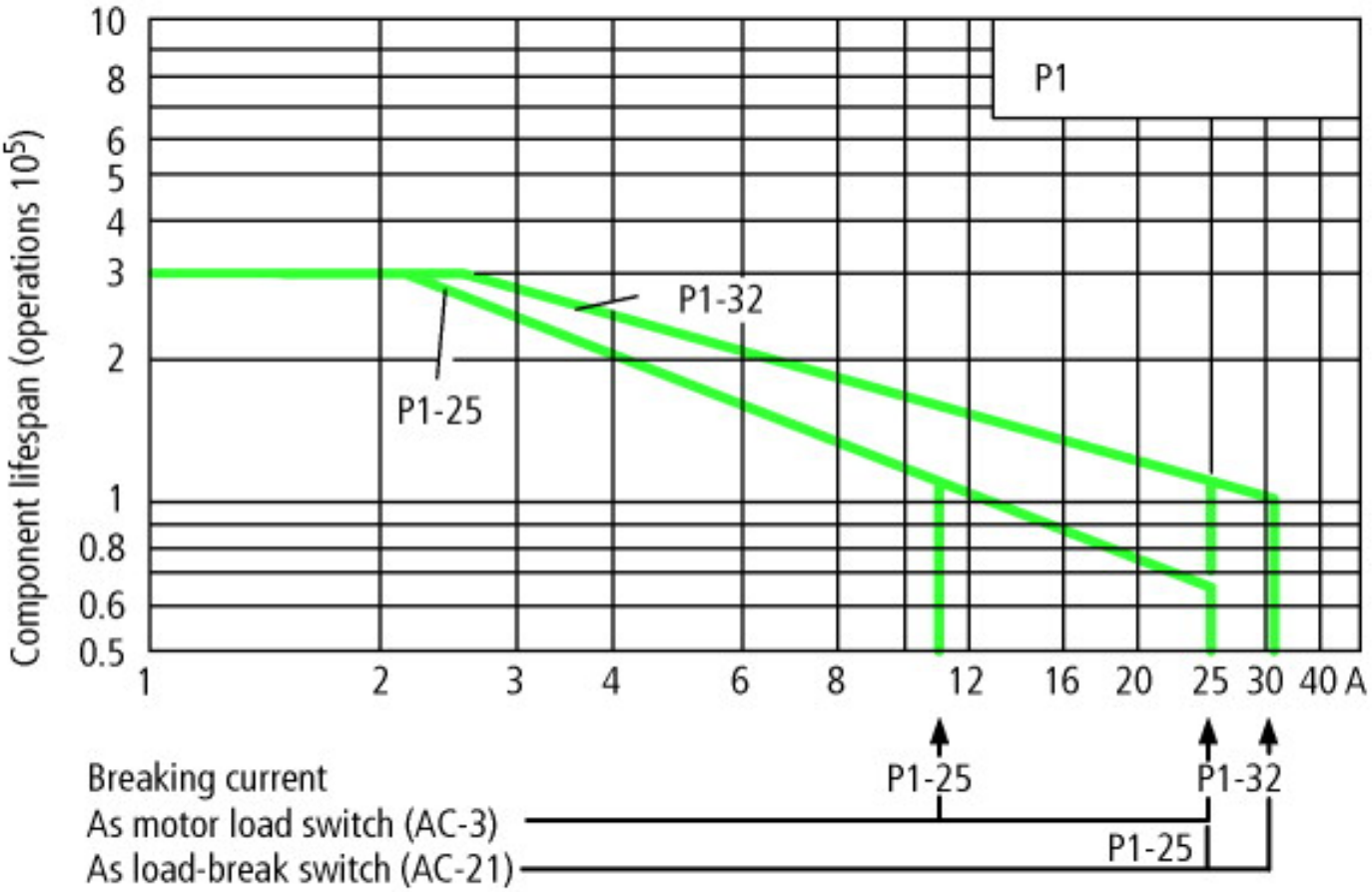
Solid or stranded		mm^2	1 × (1.5 – 6) 2 × (1.5 – 6)
Flexible with ferrule to DIN 46228		mm^2	1 × (1 – 4) 2 × (1 – 4)
Terminal screw			M4
Tightening torque		Nm	1.6

Switching capacity

AC		× U_s	
Rated making capacity cos # = 0.35		A	240
Rated breaking capacity, motor load switch cos # = 0.35		A	
230 V		A	190
400 V		A	150
500 V		A	170
690 V		A	150
Rated operational current 440 V load-break switch AC-21A	I_e	A	25
AC-23A Motor load switches (main switches maintenance switches)	P	kW	
230 V	*P*	kW	7
400 V	*P*	kW	13
500 V	*P*	kW	11
690 V	*P*	kW	11
DC		× U_s	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	I_e	A	25
Voltage per contact pair in series		V	60
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	I_e	A	25
Contacts		Quantity	1
48 V			
Rated operational current	I_e	A	25
Contacts		Quantity	2
60 V			
Rated operational current	I_e	A	25
Contacts		Quantity	3
120 V			
Rated operational current	I_e	A	12
Contacts		Quantity	3

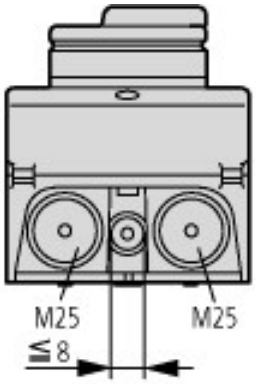
Notes

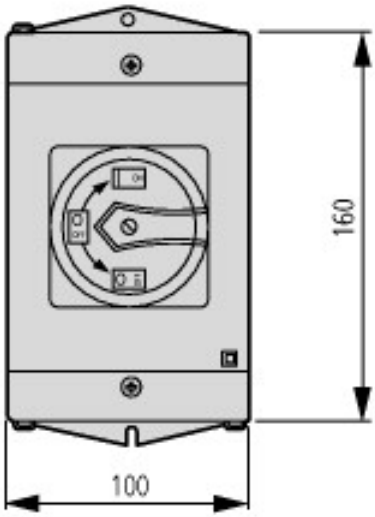
Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft
The rated uninterrupted current I_u is stated at max. connected cross-section.
For terminal capacity solid, stranded and flexible:
Max. 2 cross-section sizes difference admissible when using 2 conductors.

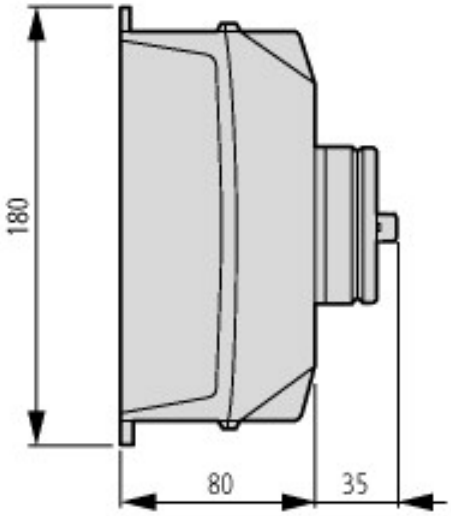


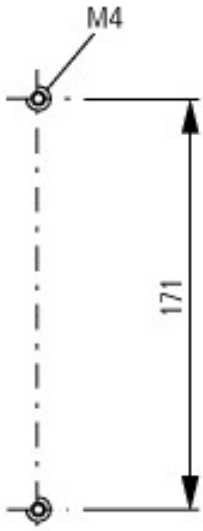
For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)
The blocked rotor current of the motor should not exceed the rated current of the switch for AC-21A to ensure a reasonable device lifespan.

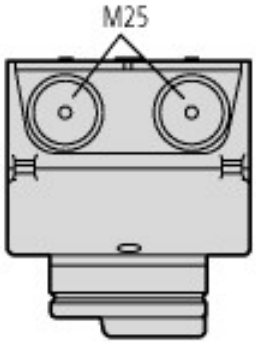
Dimensions

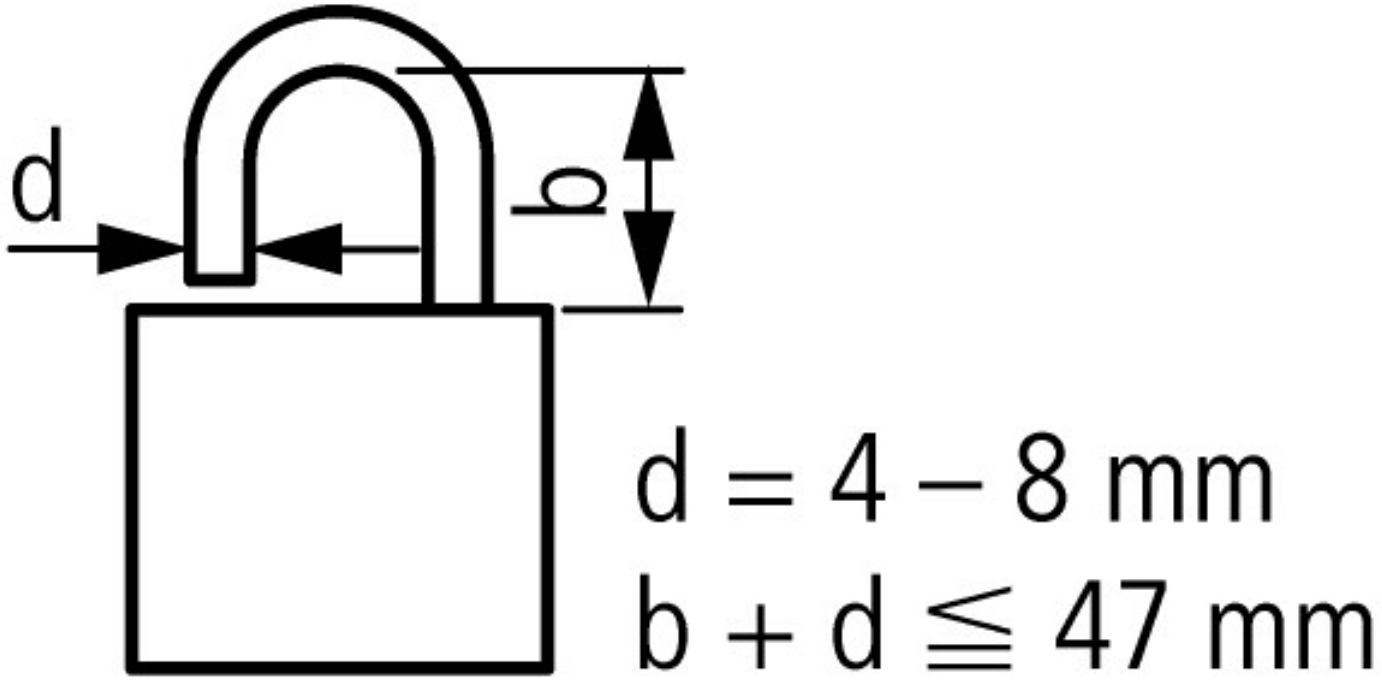

M25
M25
≤ 8


160
100


180
80
35


M4
171


M25



3 Padlocks