

# Main switch Rear mounting Metal shaft



Powering Business Worldwide™

**Part no.** P1-25/M4/SVB/N  
**Article no.** 172877  
**Catalog No.** P1-25/M4/SVB/N

## Delivery programme

Product range  
 Basic function

Part group reference  
 Emergency STOP

Contacts

Main circuits  
 Poles



Auxiliary contacts



Locking facility  
 Protection type  
 Design

Contact sequence

Front plate no.

Switch-disconnectors T, P  
 Main switches  
 Maintenance switches  
 Manual override switches  
 P1  
 as emergency switching off/  
 emergency stop function  
 With red rotary handle and yellow  
 locking ring  
 without auxiliary contacts  
 Neutral pole  
 auxiliary contact fitted by user  
 3 + N

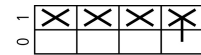
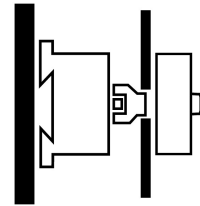
N/O

0

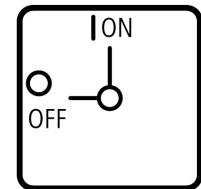
B

0

Lockable in the 0 (Off) position  
 Front IP65  
 main switches rear mounting



1 0 2 0 3 0 4 0 5 0 6 0 N 0



# FS 908

Bemessungsbetriebsleistung AC-23A,  
 50 - 60 Hz  
 400 V

Rated uninterrupted current

P  
 $I_u$

kW  
 A

13  
 25

## General

Standards

Climatic proofing

Ambient temperature

Open

Enclosed

Overvoltage category/pollution degree

Rated impulse withstand voltage

Mechanical shock resistance

Mounting position

Protection against direct contact when actuated from front (EN 50274)

		IEC/EN 60947, VDE 0660, IEC/EN 60204, Switch-disconnector according to IEC/EN 60947-3
		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
	°C	
	°C	-25 - +50
	°C	-25 - +40
		III/3
$U_{imp}$	V AC	6000
	g	15
		As required
		Finger and back-of-hand proof

## Contacts

### Mechanical variables

Main circuits  
Poles  
Auxiliary contacts

### Electrical characteristics

Rated operational voltage

Rated uninterrupted current

Note on rated uninterrupted current  $I_u$

### Load rating with intermittent operation, class 12

AB 25 % DF

AB 40 % DF

AB 60 % DF

### Short-circuit rating

Fuse

Rated short-time withstand current (1 s current)

Note on rated short-time withstand current  $I_{cw}$

		3 + N
	N/O	0
	B	0
$U_e$	V AC	690
$I_u$	A	25
		Rated uninterrupted current $I_u$ is specified for max. cross-section.
	$x I_e$	2
	$x I_e$	1.6
	$x I_e$	1.3
	A gG/ gL	25
$I_{cw}$	$A_{rms}$	640
		Current for a time of 1 second

## Switching capacity

Bemessungsausschaltvermögen  $\cos \varphi$  nach IEC 60947-3

230 V

400/415 V

500 V

690 V

Safe isolation to EN 61140

between the contacts

Current heat loss per contact at  $I_e$

Lifespan, mechanical

Maximum operating frequency

AC

AC-3

Rating, motor load switch

220 V 230 V

400 V 415 V

500 V

690 V

Bemessungsbetriebsstrom Motorschalter

230 V

400V 415 V

500 V

690 V

AC-21A

Bemessungsbetriebsstrom Lastschalter

440 V

AC-23A

Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz

230 V

400 V 415 V

500 V

690 V

Bemessungsbetriebsstrom Motorschalter

	A	
	A	190
	A	150
	A	170
	A	150
	V AC	440
	W	1.1
Operations	$x 10^6$	> 0.3
Operations/ h		1200
P	kW	
P	kW	5.5
P	kW	7.5
P	kW	7.5
P	kW	7.5
$I_e$	A	19.6
$I_e$	A	15.2
$I_e$	A	12.1
$I_e$	A	8.8
$I_e$	A	25
P	kW	
P	kW	7
P	kW	13
P	kW	11
P	kW	11

230 V

DC

DC-1, Load-break switches L/R = 1 ms

Rated operational current

Voltage per contact pair in series

DC-23A, motor load switch L/R = 15 ms

24 V

Rated operational current

Contacts

48 V

Rated operational current

Contacts

60 V

Rated operational current

Contacts

120 V

Rated operational current

Contacts

$I_e$	A	25
$I_e$	A	25
	V	60
$I_e$	A	25
	Quantity	1
$I_e$	A	25
	Quantity	2
$I_e$	A	25
	Quantity	3
$I_e$	A	12
	Quantity	3

### Terminal capacities

Flexible with ferrules to DIN 46228

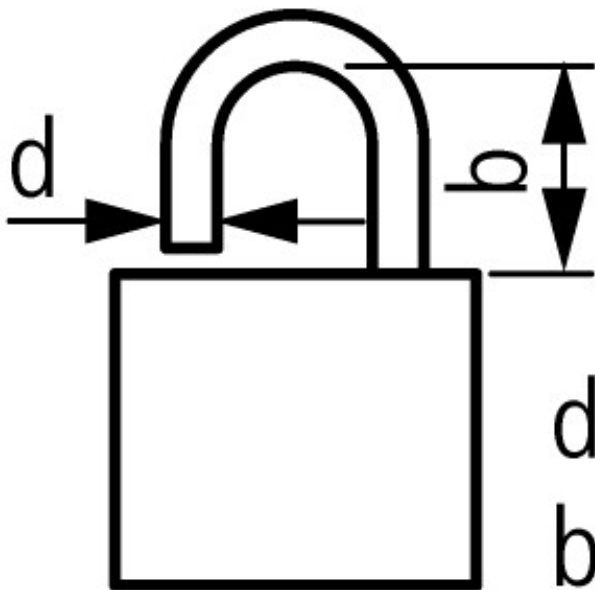
Flexible with ferrule

Terminal screw

Max. tightening torque


	mm <sup>2</sup>	
	mm <sup>2</sup>	1 x (1 - 4) 2 x (1 - 4)
		M4
	Nm	1.6

### Dimensions



$$d = 4 - 8 \text{ mm}$$

$$b + d \leq 47 \text{ mm}$$

 3 padlocks

### Additional product information (links)

- <http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87>
- <http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2>
- <http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4>
- <http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6>
- <http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8>
- <http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8>