

# Main switch Rear mounting Metal shaft



Powering Business Worldwide™

**Part no.** P3-63/M4/K2-PR/N  
**Article no.** 172812  
**Catalog No.** P3-63/M4/K2-PR/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  
 P3  
 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

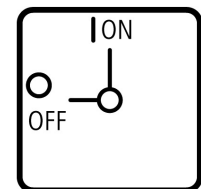
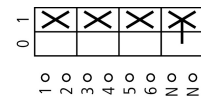
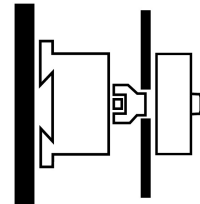
N/O

0

B

0

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



## FS 908

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

Rated uninterrupted current

P  
 $I_u$

kW  
 A

30  
 63

## 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  $I_{cw}$

## 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

		3 + N
	N/O	0
	B	0
$U_e$	V AC	690
$I_u$	A	63
		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	80
$I_{cw}$	$A_{rms}$	1260
		Current for a time of 1 second

	A	
	A	640
	A	600
	A	590
	A	340
	V AC	440
	W	4.5
Operations	$x 10^6$	> 0.1
Operations/h		1200
P	kW	
P	kW	15
P	kW	30
P	kW	30
P	kW	30
$I_e$	A	51
$I_e$	A	55
$I_e$	A	44
$I_e$	A	22.1
$I_e$	A	63
P	kW	
P	kW	18.5
P	kW	30
P	kW	37
P	kW	30

230 V	$I_e$	A	63
DC			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	$I_e$	A	63
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	50
Contacts		Quantity	1
48 V			
Rated operational current	$I_e$	A	50
Contacts		Quantity	2
60 V			
Rated operational current	$I_e$	A	50
Contacts		Quantity	3
120 V			
Rated operational current	$I_e$	A	25
Contacts		Quantity	3

### Terminal capacities

Flexible with ferrules to DIN 46228

Flexible with ferrule

Terminal screw

Max. tightening torque

	$\text{mm}^2$	
	$\text{mm}^2$	1 x (1.5 - 25) 2 x (1.5 - 6)
		M5
	Nm	3

### Additional product information (links)

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