

Part no. P3-100/XM
Article no. 172837
Catalog No. P3-100/XM

Delivery programme

Product range
 Basic function

Part group reference

Contacts

Main circuits
 Poles



Auxiliary contacts



Protection type
 Design

Contact sequence

Front plate no.

Switch-disconnectors T, P
 Main switches
 Maintenance switches
 Manual override switches
 P3
 basic switch without shaft
 auxiliary contact fitted by user
 neutral conductor fitted by user
 3

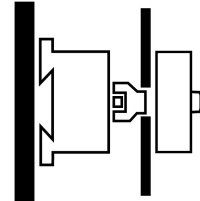
N/O

0

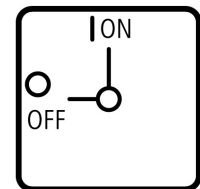
B

0

Front IP65
 main switches rear mounting



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



FS 908

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

Rated uninterrupted current

P
 I_u

kW
 A

50
 100

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

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Main circuits
Poles
Auxiliary contacts

		3
	N/O	0
	B	0
Electrical characteristics		
Rated operational voltage	U_e	V AC 690
Rated uninterrupted current	I_u	A 100
Note on rated uninterrupted current I_u		Rated uninterrupted current I_u is specified for max. cross-section.
Load rating with intermittent operation, class 12		
AB 25 % DF	$x I_e$	2
AB 40 % DF	$x I_e$	1.6
AB 60 % DF	$x I_e$	1.3
Short-circuit rating		
Fuse	A gG/ gL	100
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms} 2000
Note on rated short-time withstand current I_{cw}		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

230 V

DC

	A	
	A	760
	A	740
	A	880
	A	520
	V AC	440
	W	7.5
Operations	$x 10^6$	> 0.1
Operations/ h		1200
P	kW	
P	kW	22
P	kW	37
P	kW	45
P	kW	37
I_e	A	71
I_e	A	71
I_e	A	65
I_e	A	23.8
I_e	A	100
P	kW	
P	kW	30
P	kW	50
P	kW	65
P	kW	45
I_e	A	100

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

Rated operational current

I_e A 100

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

mm²

mm²

1 x (1.5 - 25)
2 x (1.5 - 6)

Terminal screw

M5

Max. tightening torque

Nm

3

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>