



**Main switch Flush mounting**



Powering Business Worldwide™

**Part no.** P1-32/EA/SVB  
**Article no.** 081438  
**Catalog No.** SP1-032-DMCRO

**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.

Bemessungsbetriebsleistung AC-23A,  
 50 - 60 Hz  
 400 V  
 Rated uninterrupted current

P  
 $I_u$

kW  
 A

15  
 32

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  
 auxiliary contact fitted by user  
 neutral conductor fitted by user  
 3

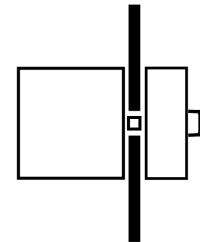
N/O

0

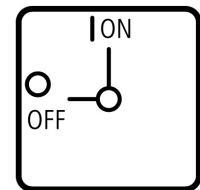
B

0

Lockable in the 0 (Off) position  
 Front IP65  
 main switch flush mounting



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



**FS 908**

**Approvals**

Product Standards  
 UL File No.  
 UL Category Control No.  
 CSA File No.  
 CSA Class No.  
 North America Certification  
 Suitable for  
 Degree of Protection

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
 E36332  
 NLRV  
 12528  
 3211-05  
 UL listed, CSA certified  
 Branch circuits, suitable as motor disconnect  
 IEC: IP65; UL/CSA Type 3R, 12

**General**

Standards

IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL  
 Switch-disconnector according to IEC/EN 60947-3  
 NEMA3R, NEMA12

Climatic proofing

Damp heat, constant, to IEC 60068-2-78  
 Damp heat, cyclic, to IEC 60068-2-30

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)

	°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

		3
	N/O	0
	B	0

Electrical characteristics

Rated operational voltage

$U_e$	V AC	690
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Rated uninterrupted current

$I_u$	A	32
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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
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AB 40 % DF

	x $I_e$	1.6
--	---------	-----

AB 60 % DF

	x $I_e$	1.3
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Short-circuit rating

Fuse

	A gG/ gL	50
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Rated short-time withstand current (1 s current)

$I_{cw}$	$A_{rms}$	640
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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

	A	
--	---	--

400/415 V

	A	260
--	---	-----

500 V

	A	300
--	---	-----

690 V

	A	290
--	---	-----

	A	250
--	---	-----

Safe isolation to EN 61140

between the contacts

	V AC	440
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Current heat loss per contact at  $I_e$

	W	1.8
--	---	-----

Lifespan, mechanical

Operations	x $10^6$	> 0.3
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Maximum operating frequency

Operations/ h		1200
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AC

AC-3

Rating, motor load switch

220 V 230 V

P	kW	
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380 V 400 V

P	kW	7.5
---	----	-----

400 V 415 V

P	kW	13
---	----	----

500 V

P	kW	13
---	----	----

690 V

P	kW	18.5
---	----	------

P	kW	15
---	----	----

Bemessungsbetriebsstrom Motorschalter

230 V

$I_e$	A	26.4
-------	---	------

400V 415 V

$I_e$	A	26.4
-------	---	------

500 V

$I_e$	A	23.4
-------	---	------

690 V

$I_e$	A	14.7
-------	---	------

$I_e$	A	14.7
-------	---	------

AC-21A			
Bemessungsbetriebsstrom Lastschalter			
440 V	I <sub>e</sub>	A	32
AC-23A			
Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	8.5
400 V 415 V	P	kW	15
500 V	P	kW	18.5
690 V	P	kW	18.5
Bemessungsbetriebsstrom Motorschalter			
230 V	I <sub>e</sub>	A	32
DC			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	I <sub>e</sub>	A	32
Voltage per contact pair in series		V	60
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	I <sub>e</sub>	A	25
Contacts		Quantity	1
48 V			
Rated operational current	I <sub>e</sub>	A	25
Contacts		Quantity	2
60 V			
Rated operational current	I <sub>e</sub>	A	25
Contacts		Quantity	3
120 V			
Rated operational current	I <sub>e</sub>	A	12
Contacts		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

### Technical data ETIM 5.0

Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter

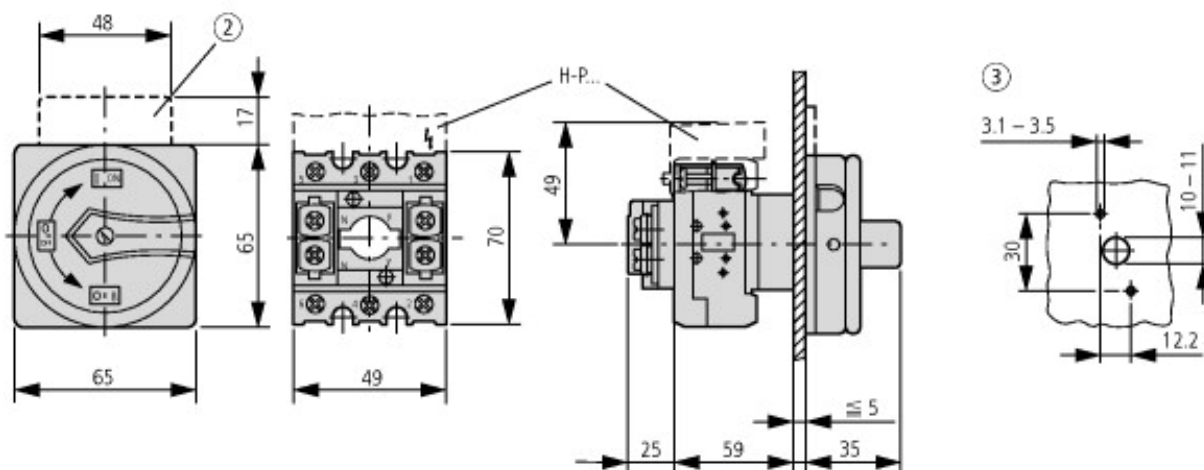
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Version as switch disconnector compact		Yes
Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		Yes
Max. rated operation voltage U <sub>e</sub> AC	V	690
Rated permanent current I <sub>u</sub>	A	32
Rated operation power AC-3, 400 V	kW	13
Rated operation power at AC-23, 400 V	kW	15
Conditioned rated short-circuit current I <sub>q</sub>	kA	0
Number of poles		3
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
Motor drive optional		No
Motor drive integrated		No
Voltage release optional		No
Device construction		Built-in device fixed built-in technique
Suitable for ground mounting		No
Suitable for front mounting		No
Suitable for front mounting center		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		No

Type of control element  
Interlockable  
Connection type main current circuit  
Degree of protection (IP), front side

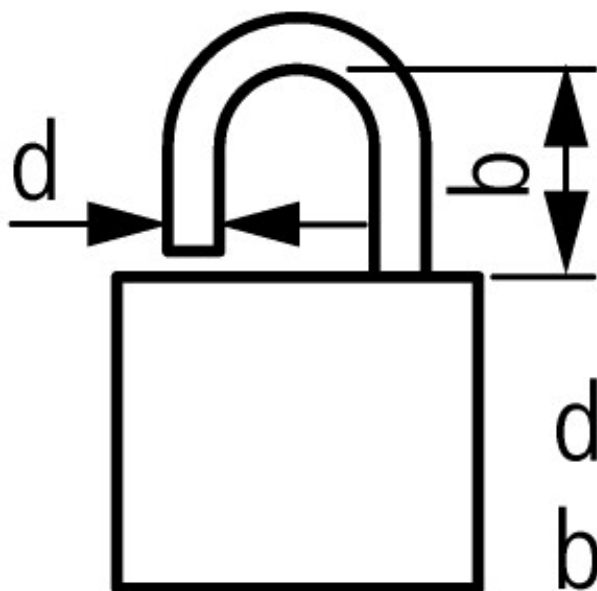
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Yes  
Screw connection  
IP55

## Dimensions



(2) ZFS... Label mount not included as standard

(3) Drilling dimensions door



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

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

3 padlocks

## Additional product information (links)

### IL03802003Z (AWA1150-1890) Switch-Disconnectors for flush mounting

IL03802003Z (AWA1150-1890) Switch-Disconnectors for flush mounting

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03802003Z2014\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03802003Z2014_02.pdf)

<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>

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