



Main switch Flush mounting



Powering Business Worldwide™

Part no. P1-25/EA/SVB
Article no. 041097
Catalog No. SP1-025-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

13
 25

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

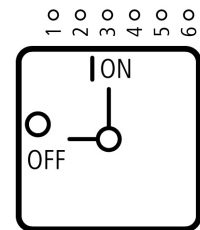
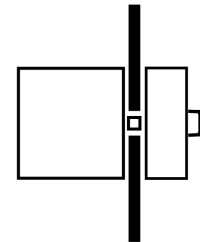
N/O

0

B

0

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



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	25
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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	25
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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	
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400/415 V

	A	190
--	---	-----

500 V

	A	150
--	---	-----

690 V

	A	170
--	---	-----

	A	150
--	---	-----

Safe isolation to EN 61140

between the contacts

	V AC	440
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Current heat loss per contact at I_e

	W	1.1
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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	5.5
---	----	-----

400 V 415 V

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

500 V

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

690 V

P	kW	7.5
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Bemessungsbetriebsstrom Motorschalter

230 V

I_e	A	19.6
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400V 415 V

I_e	A	15.2
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500 V

I_e	A	12.1
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690 V

I_e	A	8.8
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AC-21A			
Bemessungsbetriebsstrom Lastschalter			
440 V	I _e	A	25
AC-23A			
Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	7
400 V 415 V	P	kW	13
500 V	P	kW	11
690 V	P	kW	11
Bemessungsbetriebsstrom Motorschalter			
230 V	I _e	A	25
DC			
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

Terminal capacities

Flexible with ferrules to DIN 46228

Flexible with ferrule

Terminal screw

Max. tightening torque

	mm ²	
	mm ²	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

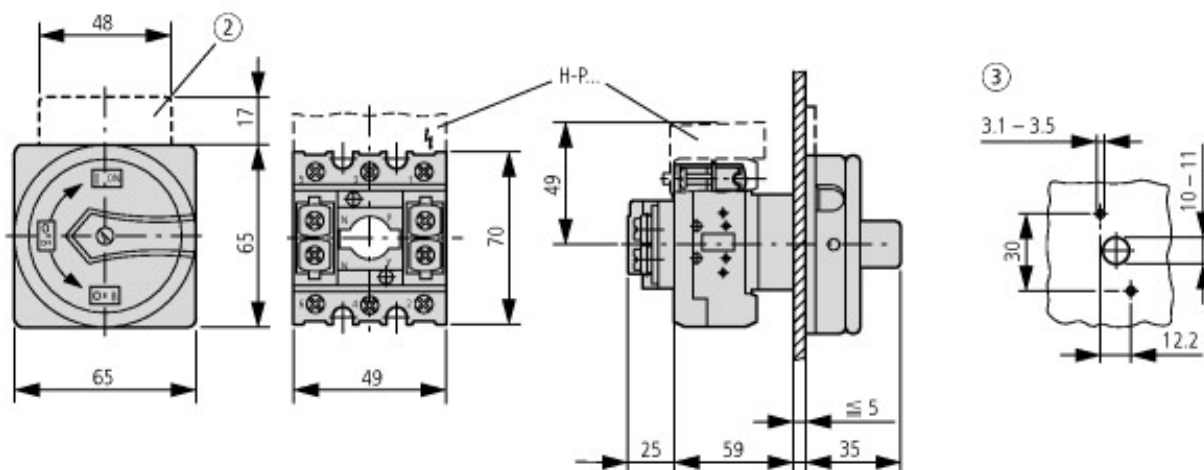
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Version as switch disconnector compact		Yes
Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		Yes
Max. rated operation voltage U _e AC	V	690
Rated permanent current I _u	A	25
Rated operation power AC-3, 400 V	kW	7.5
Rated operation power at AC-23, 400 V	kW	13
Conditioned rated short-circuit current I _q	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

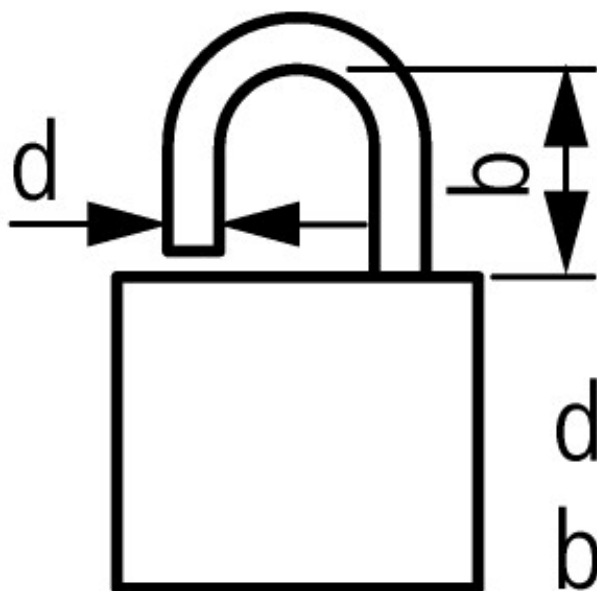
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Yes
Screw connection
IP55

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

<http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87>

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

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