



Main switchRear mounting

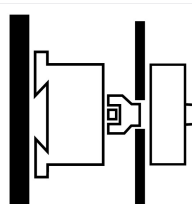
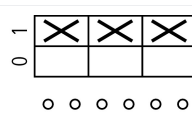
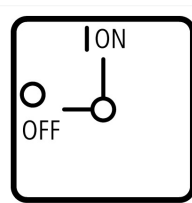
Part no.
Article no.
Catalog No.

P1-25/V/SVB
055335
SP1-025-PMCRQ



Powering Business Worldwide™

Delivery programme

Product range			Switch-disconnectors T, P
Basic function			Main switches Maintenance switches Manual override switches
Part group reference			P1
Emergency STOP			as emergency switching off/emergency stop function
			With red rotary handle and yellow locking ring
			without auxiliary contacts
Contacts			auxiliary contact fitted by user neutral conductor fitted by user
Main circuits Poles			3
			
Auxiliary contacts			
		N/O	0
		B	0
Locking facility			Lockable in the 0 (Off) position
Protection type			Front IP65
Design			main switches rear mounting
			
Contact sequence			
Front plate no.			 FS 908
Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz			
400 V	P	kW	13
Rated uninterrupted current	I _u	A	25

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		°C	
Open		°C	-25 - +50
Enclosed		°C	-25 - +40
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U _{imp}	V AC	6000
Mechanical shock resistance		g	15
Mounting position			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof

Contacts

Mechanical variables			
Main circuits Poles			3
Auxiliary contacts			
		N/O	0
		B	0
Electrical characteristics			
Rated operational voltage	U _e	V AC	690
Rated uninterrupted current	I _u	A	25
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	25
Rated short-time withstand current (1 s current)	I _{cw}	A _{rms}	640
Note on rated short-time withstand current I _{cw}			Current for a time of 1 second

Switching capacity

Bemessungsausschaltvermögen cos φ nach IEC 60947-3		A	
230 V		A	190
400/415 V		A	150
500 V		A	170
690 V		A	150
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at I _e		W	1.1
Lifespan, mechanical	Operations	x 10 ⁶	> 0.3
Maximum operating frequency	Operations/ h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	5.5
380 V 400 V	P	kW	7.5
400 V 415 V	P	kW	7.5
500 V	P	kW	7.5
690 V	P	kW	7.5

Bemessungsbetriebsstrom Motorschalter			
230 V	I _e	A	19.6
400V 415 V	I _e	A	15.2
500 V	I _e	A	12.1
690 V	I _e	A	8.8
AC-21A			
Bemessungsbetriebsstrom Lastschalter			
440 V	I _e	A	25
AC-23A			
Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz			
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		mm ²	
Flexible with ferrule		mm ²	1 x (1 - 4) 2 x (1 - 4)
Terminal screw			M4
Max. tightening torque		Nm	1.6

Technical data ETIM 5.0

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

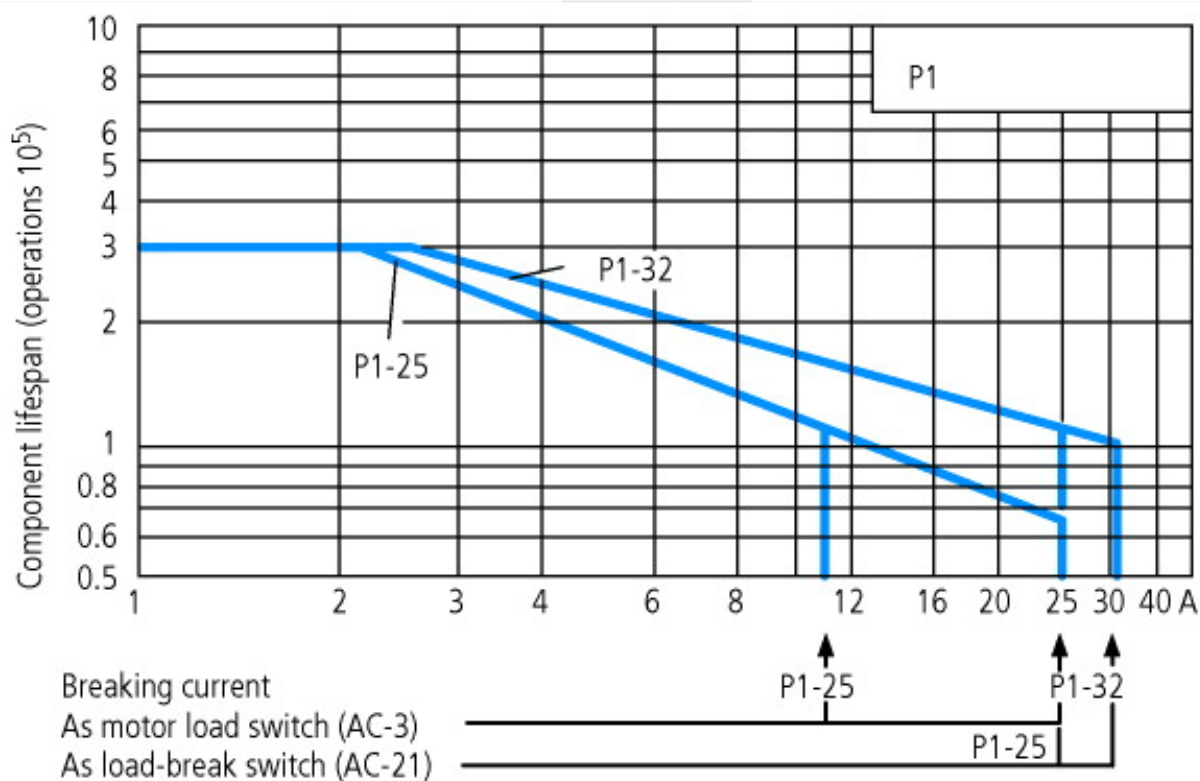
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector
(ecI@ss8-27-37-14-03 [AKFD60009])

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		Door coupling rotary drive
Interlockable		Yes
Connection type main current circuit		Screw connection
Degree of protection (IP), front side		IP55

Characteristics

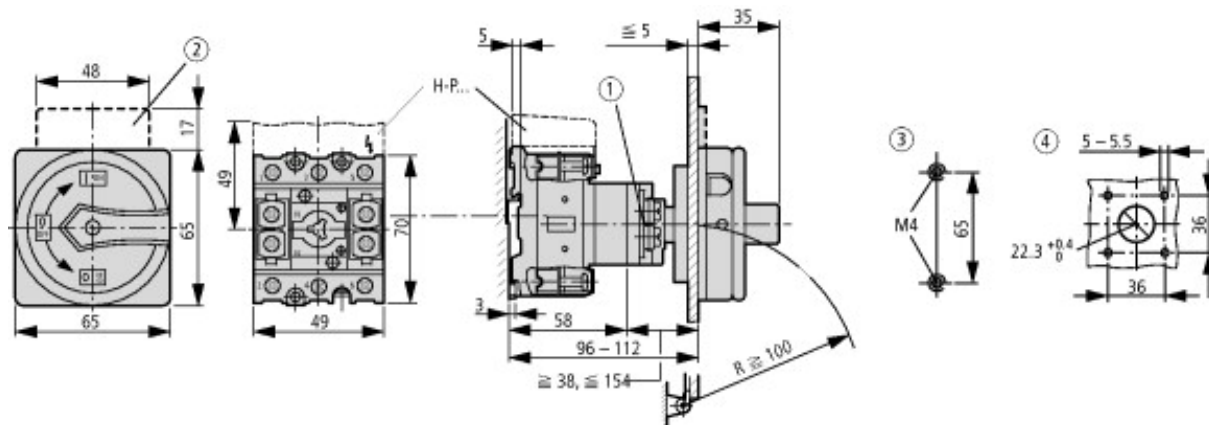
Characteristic curves



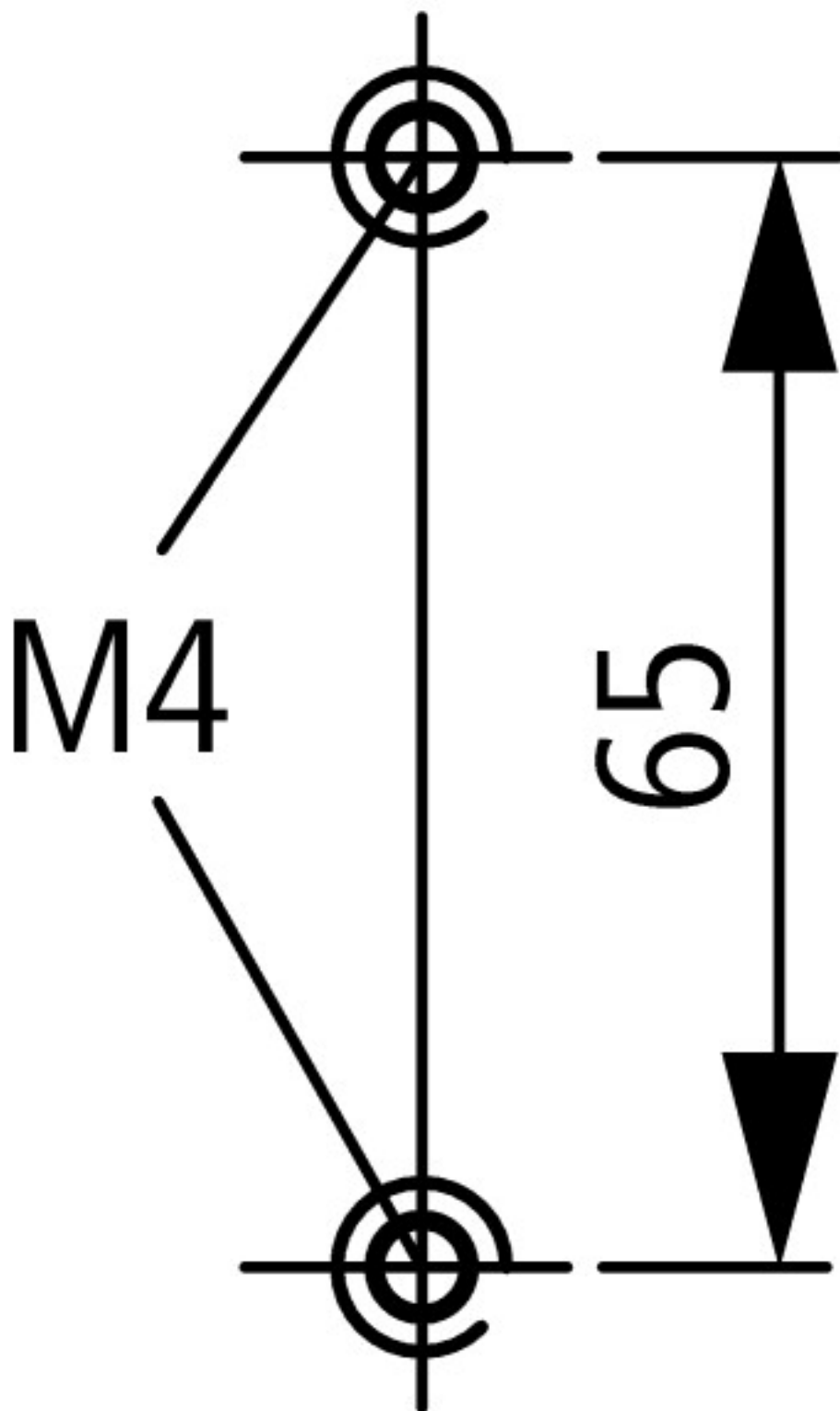
For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)

The blocked rotor current of the motor should not exceed the rated current of the switch for AC-21A to ensure a reasonable device lifespan.

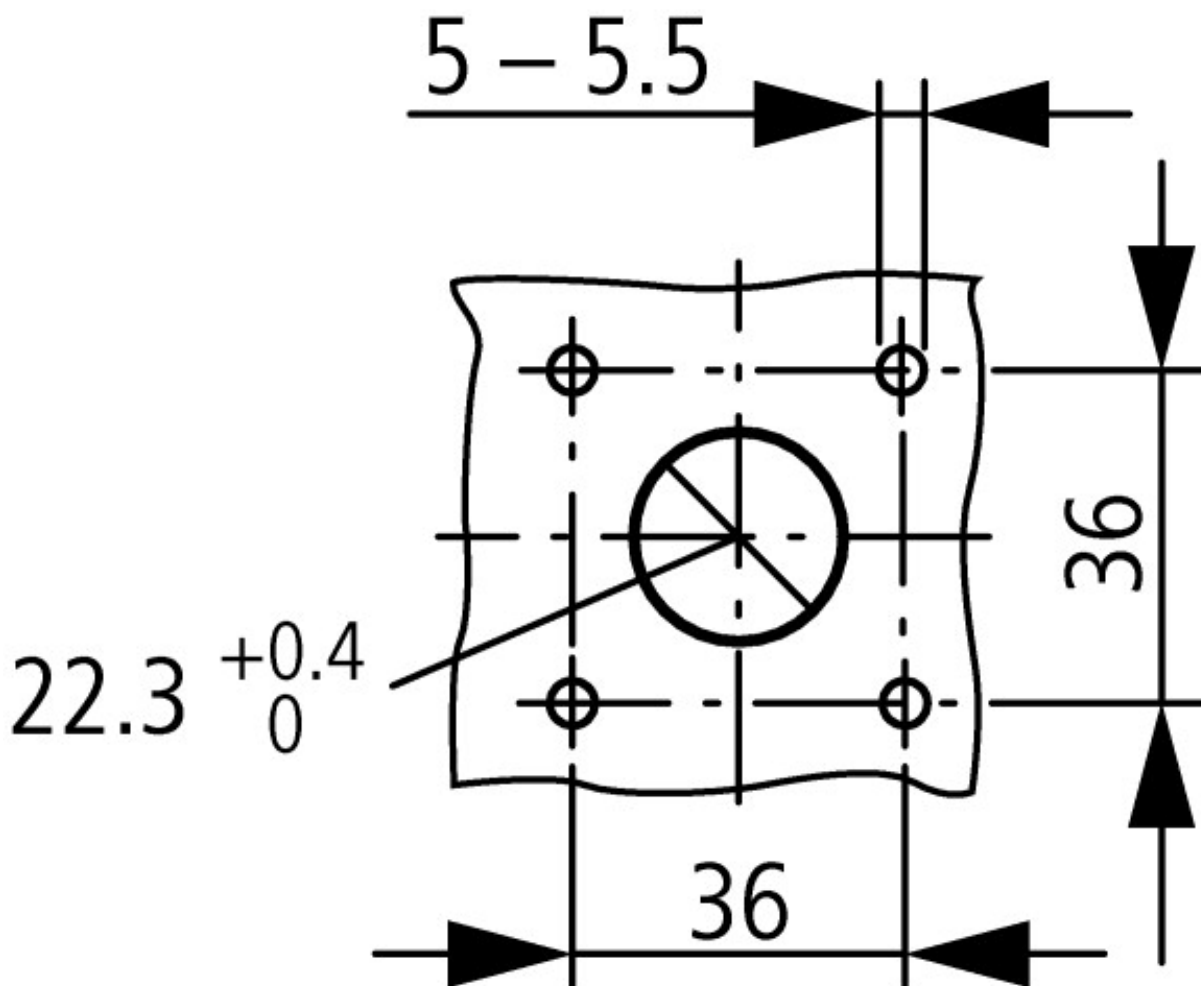
Dimensions



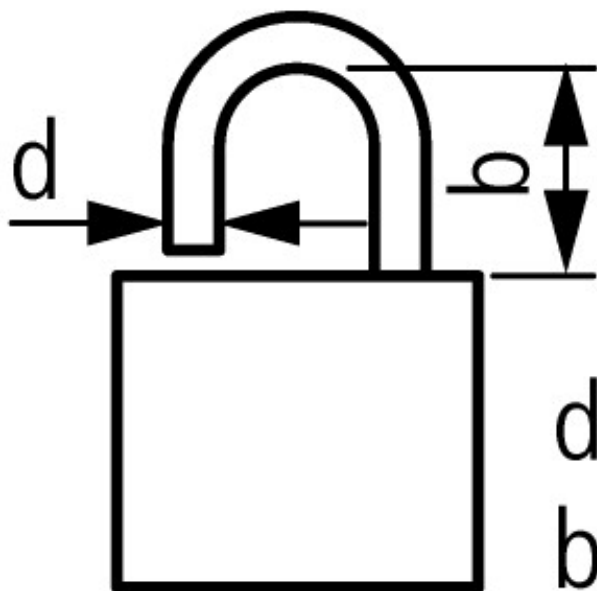
- ① Shaft and interlock extension with ZAV-T0 + ZVV-T0 possible, max. $4 \times 25 = 100$ mm
- ② ZFS-... Label mount not included as standard
- ③ Drilling dimensions base
- ④ Drilling dimensions door



Diameter of drilled hole Bottom



Diameter of drilled hole Door



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

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

 3 padlocks

Additional product information (links)

IL03802005Z (AWA1150-1981) Switch-Disconnectors for flush mounting

IL03802005Z (AWA1150-1981) Switch-Disconnectors for flush mounting

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03802005Z2013_02.pdf

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