



Main switch Surface mounting



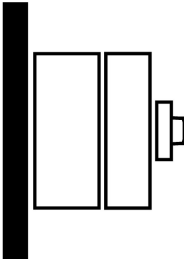
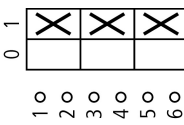
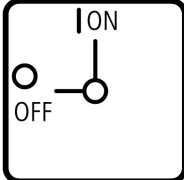
Powering Business Worldwide™

Part no. T0-2-1/11/SVB-SW

Article no. 207148

IP65

Delivery programme

Product range			Switch-disconnectors
Basic function			Main switches Maintenance switches Manual override switches
Part group reference			T0
Design			Surface mounting
			
Protection type			IP65
			totally insulated
Emergency stop			without emergency switching off/emergency stop function
			With black rotary handle and locking ring
Locking facility			Lockable in the 0 (Off) position
			without auxiliary contacts
Contact sequence			 1 0 2 0 3 0 4 0 5 0 6 0
Front plate no.			 FS 908
Main conducting paths			
No. of poles		M	3
Auxiliary contacts		N/O	0
		B	0
Max. motor rating			
AC-23A			
400/415 V 50-60 Hz			
400 V	P	kW	6.5
Rated uninterrupted current	I _u	A	20

General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnectors to IEC/EN 60947-3 Load-break switches to IEC/EN 60947-3
Lifespan, mechanical	Operations	$\times 10^6$	0.5
Maximum operating frequency		Operations/h	3000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	- 25 - 50
Enclosed		°C	- 25 - 40
Mounting position			As required
Mechanical shock resistance to IEC 60068-2-27	Half-sinusoidal shock 20 ms	g	> 15

Contacts

Rated operational voltage	U_e	V AC	690
Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current	I_u	A	
open	I_u	A	20
Enclosed	I_u	A	20
Load rating with intermittent operation, class 12			
AB 25 % DF		$\times I_e$	2
AB 40 % DF		$\times I_e$	1.6
AB 60 % DF		$\times I_e$	1.3
Short-circuit rating			
Fuse		A gG/ gL	20
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	320
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between the contacts		V AC	440
Switching angles		°	90 60 45 30
Contact units			11
Double-break contacts			max. 22
Current heat loss per contact at I_e		W	0.6

Terminal capacities

Solid or stranded		mm ²	1 x (1 - 2.5) 2 x (1 - 2.5)
Flexible with ferrules to DIN 46228		mm ²	
Flexible with ferrule		mm ²	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Terminal screw			M3.5
Tightening torque		Nm	1

Switching capacity

AC		$\times U_s$	
Rated making capacity $\cos \varphi = 0.35$		A	130
Rated breaking capacity, motor load switch $\cos \varphi = 0.35$		A	
230 V		A	100
400 V		A	110
500 V		A	80
690 V		A	60
Rated operational current 440 V load-break switch AC-21A	I_e	A	20

Rating, AC-3 motor load switch	P	kW	
220 V 230 V	P	kW	3
230 V Star-delta	P	kW	4
380 V 400 V	P	kW	4
400 V Star-delta	P	kW	5.5
500 V	P	kW	5.5
500 V Star-delta	P	kW	7.5
660 V 690 V	P	kW	4
690 V Star-delta	P	kW	5.5
AC-23A Motor load switches (main switches maintenance switches)	P	kW	
230 V	P	kW	3.5
400 V	P	kW	6.5
500 V	P	kW	7.5
Rated operational current control switch AC-15			
220 V 230 V 240 V	I _e	A	6
380 V 400 V 415 V	I _e	A	4
500 V	I _e	A	2
DC		x U _s	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	I _e	A	10
Voltage per contact pair in series		V	60
DC-21A	I _e	A	
Rated operational current 240 V	I _e	A	1
240 V Contacts		Quantity	1
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	I _e	A	10
Contacts		Quantity	1
48 V			
Rated operational current	I _e	A	10
Contacts		Quantity	2
60 V			
Rated operational current	I _e	A	10
Contacts		Quantity	3
120 V			
Rated operational current	I _e	A	5
Contacts		Quantity	3
240 V			
Rated operational current	I _e	A	5
Contacts		Quantity	5
DC-13, Control switches L/R = 50 ms			
Rated operational current	I _e	A	10
Voltage per contact pair in series		V	32
Control circuit reliability at 24 V DC, 10 mA	Fault probability	H _F	< 10 ⁻⁵ , < 1 fault in 100000 operations

Notes

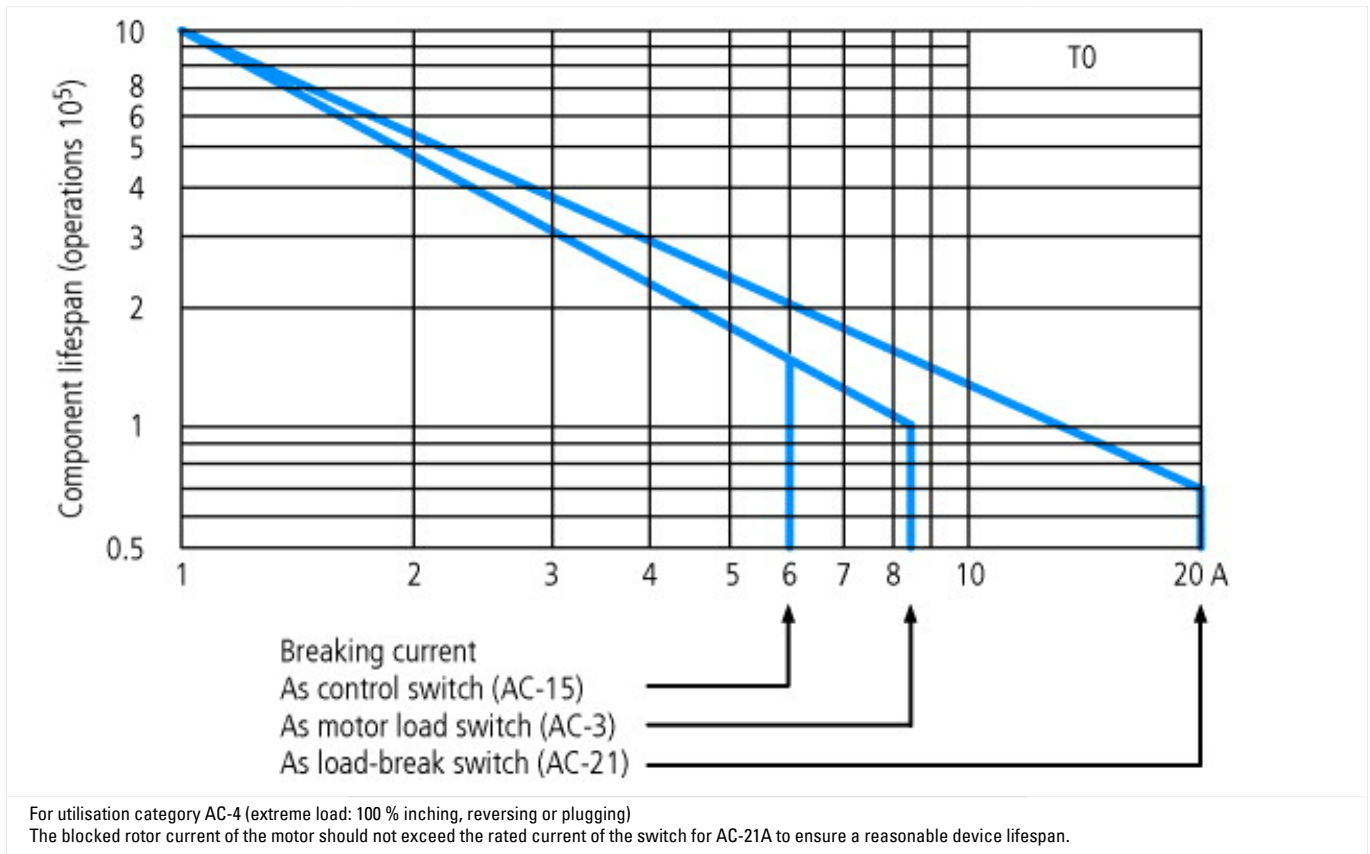
Notes Isolating characteristics as specified in IEC/EN 60947 for rated operating voltage U_e of up to 500 VAC
The following applies for solid, multiwire, and flexible terminal capacities:
If 2 conductors are being used, a max. difference of 2 cross-section categories is permissible

Technical data ETIM 4.0

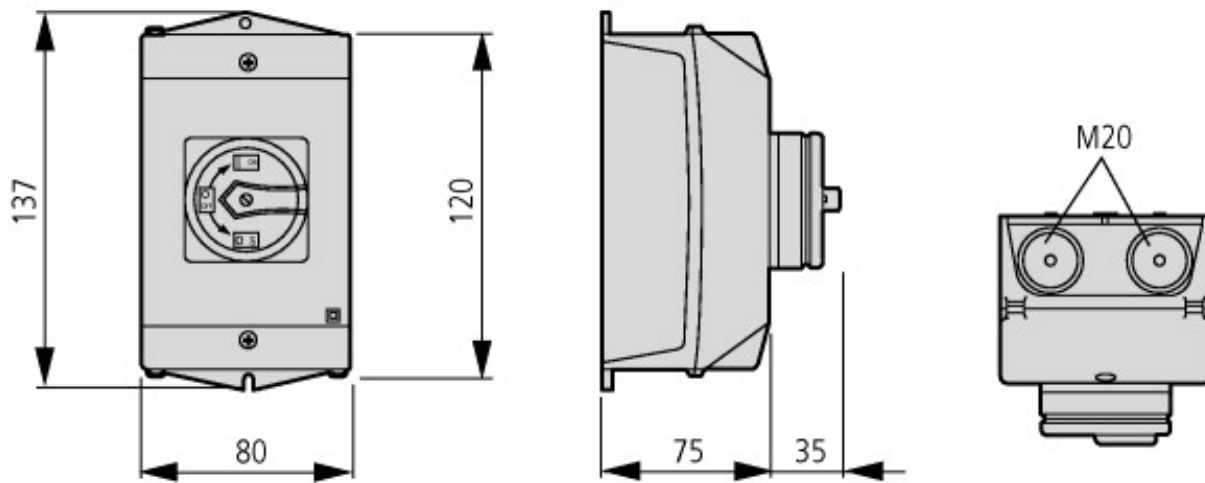
Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as normally closed contact			0
Rated permanent current I _u		A	20
Number of poles			3
Conditioned rated short-circuit current I _q		kA	0

Degree of protection (IP), front side			IP65
Number of auxiliary contacts as change-over contact			0
Interlockable			YES
Motor drive integrated			No
Connection type main current circuit			Screw connection
Version as emergency stop installation			No
Type of control element			-
Version as main switch			YES
Version as switch disconnecter compact			No
Version as safety switch			No
Version as maintenance-/service switch			YES
Rated operation power at AC-23, 400V		kWh	6.5
Rated operation power AC-3, 400 V		kWh	4
Suitable for ground mounting			YES
Suitable for front mounting			No
Suitable for front mounting center			No
Suitable for distribution board installation			No
Suitable for intermediate mounting			No
Max. rated operation voltage Ue AC		V	690
Motor drive optional			No
Voltage release optional			No
Device construction			Complete device in housing

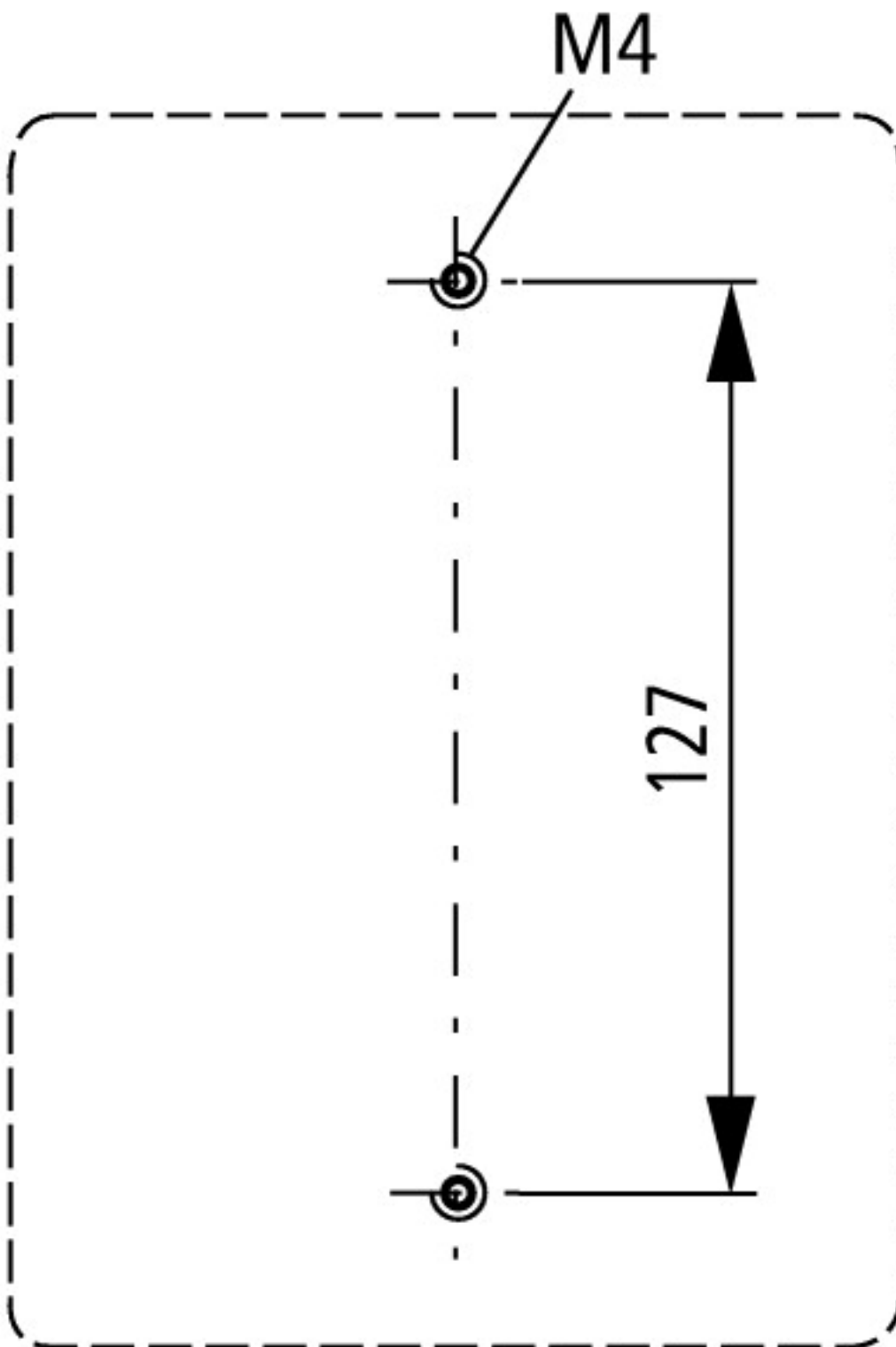
Characteristics

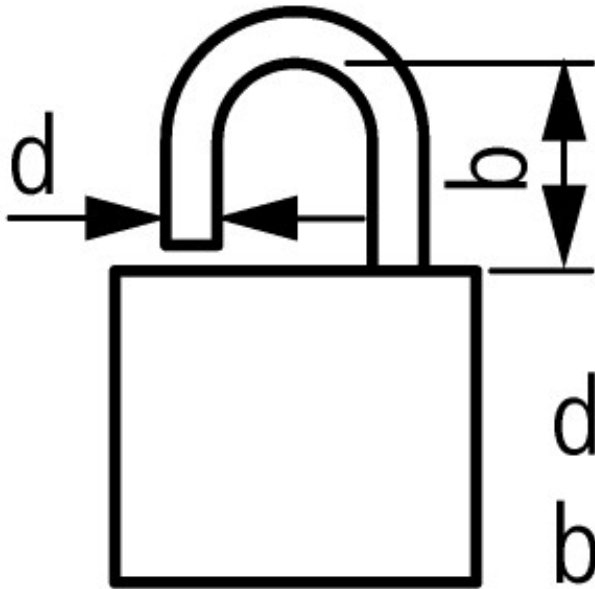


Dimensions




Depth of one contact unit: 9.5 mm





$$d = 4 - 8 \text{ mm}$$
$$b + d \leq 47 \text{ mm}$$

 3 Padlocks

Additional product information (links)

IL03801007Z (AWA1150-1687) Cam switch: Surface mounting enclosure

IL03801007Z (AWA1150-1687) Cam
switch: Surface mounting enclosure

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801007Z2011_06.pdf

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

<http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=40>