



Main switch Surface mounting



Powering Business Worldwide™

Part no.

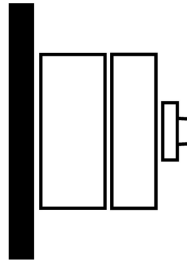
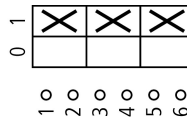
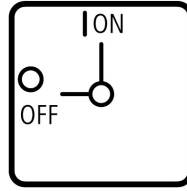
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Article no.

207373

IP65

Delivery programme

Product range			Switch-disconnectors
Basic function			Main switches Maintenance switches Manual override switches
Part group reference			P3
Design			Surface mounting
			
Protection type			IP65
			totally insulated
Emergency stop			As an emergency switching off/emergency stop device With red rotary handle and yellow locking ring
Standards			According to IEC/EN 60204-1, VDE 0113 Part 1
Locking facility			Lockable in the 0 (Off) position
Contact sequence			without auxiliary contacts 
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	P	kW	50
Rated uninterrupted current	I _u	A	100

Approvals

Product Standards
UL File No.
UL CCN

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
E36332
NLRV

General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch disconnecter according to IEC/EN 60947-3
Lifespan, mechanical	Operations	x 10 ⁶	0.1
Maximum operating frequency		Operations/h	50
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature			°C
Open			°C
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	100
Enclosed	I_u	A	100
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
Switching angles		°	90
Current heat loss per contact at I_e		W	7.5

Terminal capacities

Solid or stranded		mm ²	1 x (2.5 - 35) 2 x (2.5 - 10)
Flexible with ferrule to DIN 46228		mm ²	1 x (1.5 - 25) 2 x (1.5 - 6)
Terminal screw			M5
Tightening torque		Nm	3

Switching capacity

AC		x U _s	
Rated making capacity cos φ = 0.35		A	950
Rated breaking capacity, motor load switch cos φ = 0.35		A	
230 V		A	760
400 V		A	740
500 V		A	880
690 V		A	520
Rated operational current 440 V load-break switch AC-21A	I _e	A	100
Rating, AC-3 motor load switch	P	kW	
220 V 230 V	P	kW	22
380 V 400 V	P	kW	40

500 V	P	kW	45
660 V 690 V	P	kW	22
AC-23A Motor load switches (main switches maintenance switches)	P	kW	30
230 V	P	kW	30
400 V	P	kW	50
500 V	P	kW	67
690 V	P	kW	65
DC		x U _s	
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

Auxiliary contacts

Standards

According to IEC/EN 60204-1, VDE 0113 Part 1

Notes

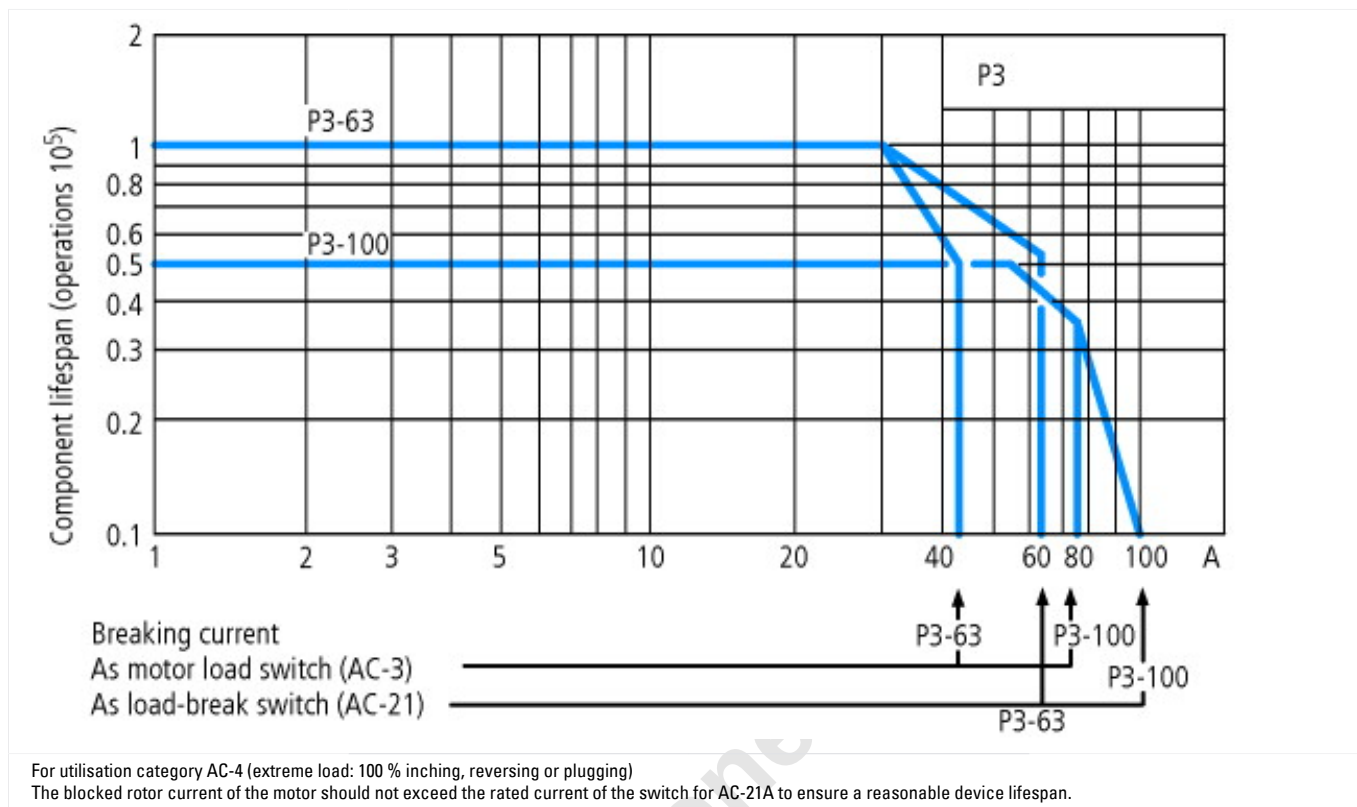
Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft
The rated uninterrupted current I_u is stated at max. connected cross-section.
For terminal capacity solid, stranded and flexible:
Max. 2 cross-section sizes difference admissible when using 2 conductors.

Technical data ETIM 4.0

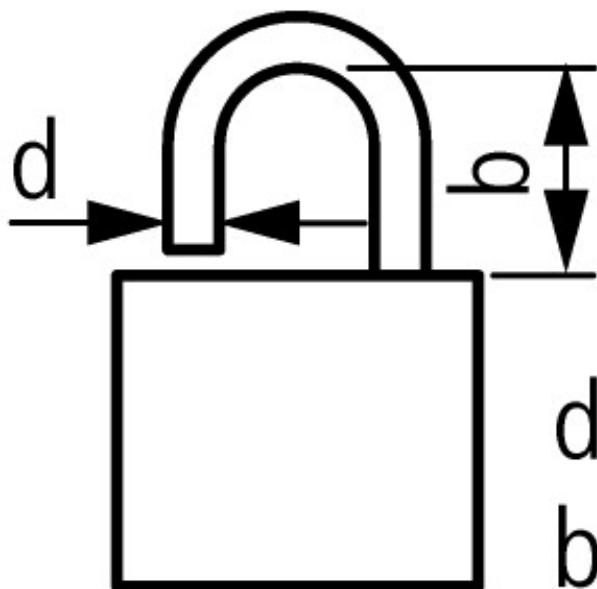
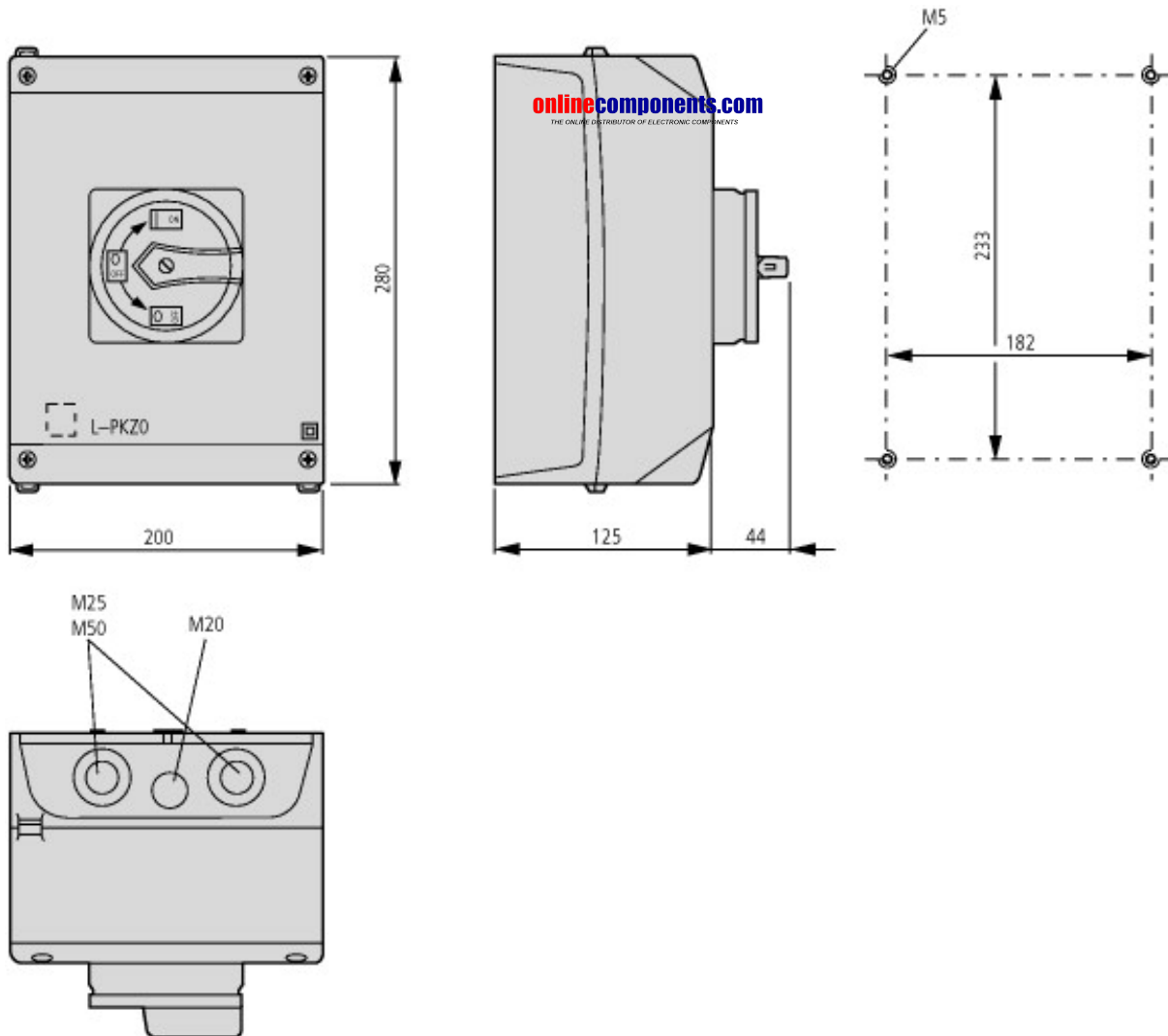
Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as normally closed contact			0
Rated permanent current I _u		A	100
Number of poles			3
Conditioned rated short-circuit current I _q		kA	0
Degree of protection (IP), front side			IP65
Number of auxiliary contacts as change-over contact			0
Interlockable			YES
Motor drive integrated			No
Connection type main current circuit			Screw connection
Version as emergency stop installation			YES
Type of control element			-
Version as main switch			YES
Version as switch disconnecter compact			YES
Version as safety switch			No
Version as maintenance-/service switch			YES
Rated operation power at AC-23, 400V		kWh	50
Rated operation power AC-3, 400 V		kWh	37
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



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

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

3 Padlocks

Additional product information (links)

IL03801010Z (AWA1150-1982) Cam switch: switch-disconnector

IL03801010Z (AWA1150-1982) Cam switch: switch-disconnector

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801010Z2011_06.pdf

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