Main switchFlush mounting

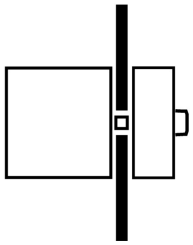
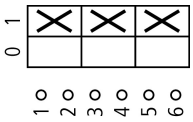
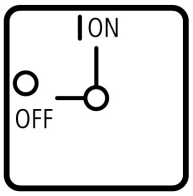
Part no. P3-63/EA/SVB

Article no. 031607

Powering Business Worldwide™

Front IP65

Program

Range			Load current switches
Basic function			Main switches Maintenance switches Manual override switches
Part group reference (e.g. DIL)			P3
Design			Flush mounting
			
Protection type			Front IP65
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
			without auxiliary contacts
Contact sequence			
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	30
Rated uninterrupted current	I_u	A	63

Approbationen

UL approval	Yes
CSA approval	Yes
Product Standards	UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL CCN	NLRV
CSA File No.	12528
CSA Class No.	3211-05
NA Certification	UL listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 3R, 12

General

Standards			IEC/EN 60 947, VDE 0660, IEC/EN 60 204, CSA,UL Switch-disconnectors to IEC/EN 60 947-3 NEMA3R, NEMA12, NEMA13
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	- 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	63
Enclosed	I_u	A	63
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	80
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	1260
Switching angles		°	90
Current heat loss per contact at I_e		W	4.5

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	800
Rated breaking capacity, motor load switch cos φ = 0.35		A	
230 V		A	640
400 V		A	600
500 V		A	590
690 V		A	340
Rated operational current 440 V load-break switch AC-21A	I_e	A	63
Rating, AC-3 motor load switch	P	kW	
220/230 V	P	kW	15
400 V	P	kW	30
500 V	P	kW	30
690 V	P	kW	20
AC-23A Motor load switches (main switches maintenance switches)	P	kW	
230 V	P	kW	18.5

400 V	P	kW	30
500 V	P	kW	37
690 V	P	kW	50
DC		x U_s	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	I_e	A	63
Voltage per contact pair in series		V	60
DC-23A, motor load switchL/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

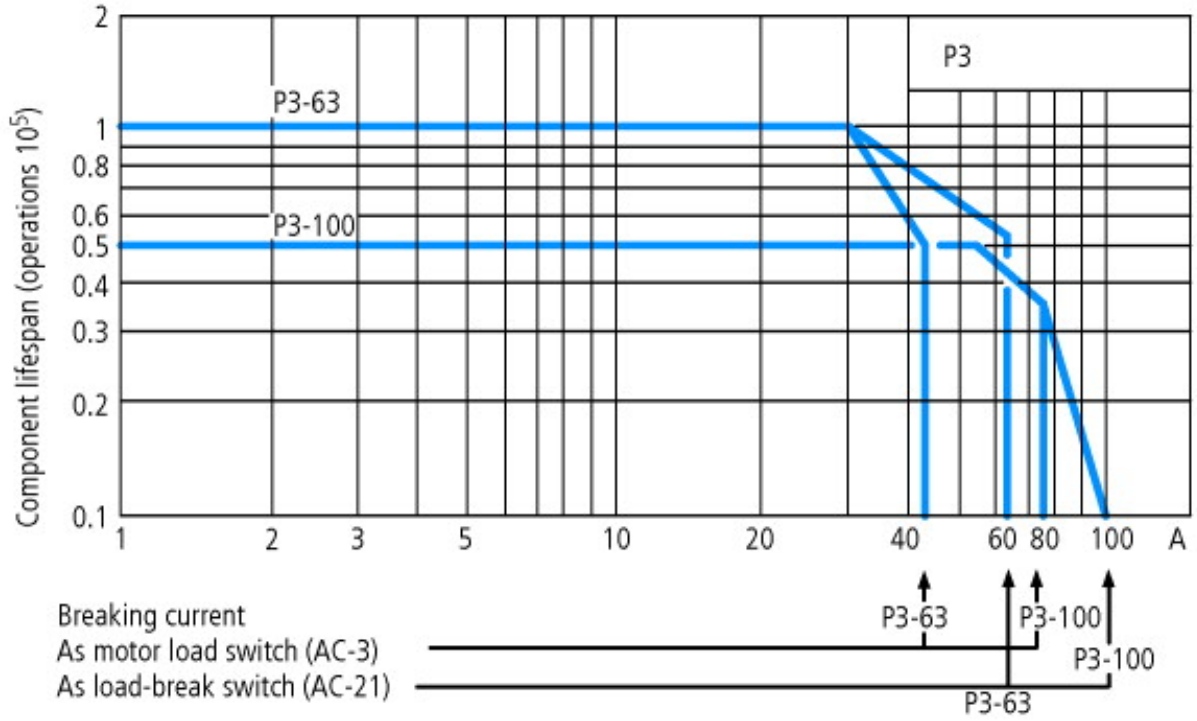
Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft
The rated uninterrupted current I_u is stated at max. connected cross-section.
For terminal capacity solid, stranded and flexible:
Max. 2 cross-section sizes difference admissible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

Technical data according to ETIM 4.0

Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as normally closed contact			0
Rated permanent current Iu		A	63
Number of poles			3
Conditioned rated short-circuit current Iq		kA	0
Degree of protection (IP), front side			IP55
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 disconnector compact			YES
Version as safety switch			No
Version as maintenance-/service switch			YES
Rated operation power at AC-23, 400V		kWh	37
Rated operation power AC-3, 400 V		kWh	30
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
Max. rated operation voltage Ue AC		V	690
Motor drive optional			No
Voltage release optional			No
Device construction			Built-in device fixed built-in technique

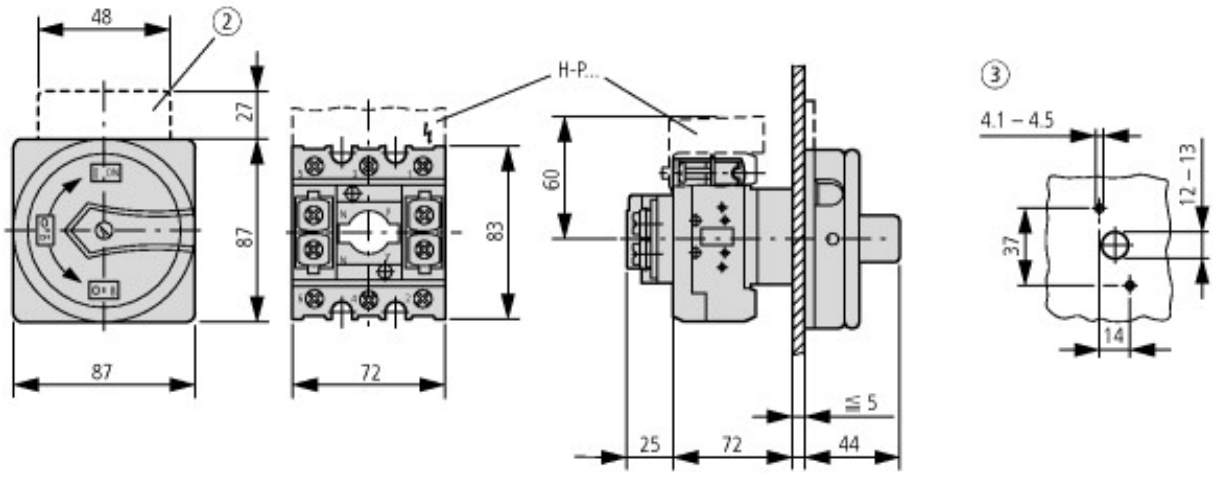
Characteristics

Form for ordering non-standard front plates

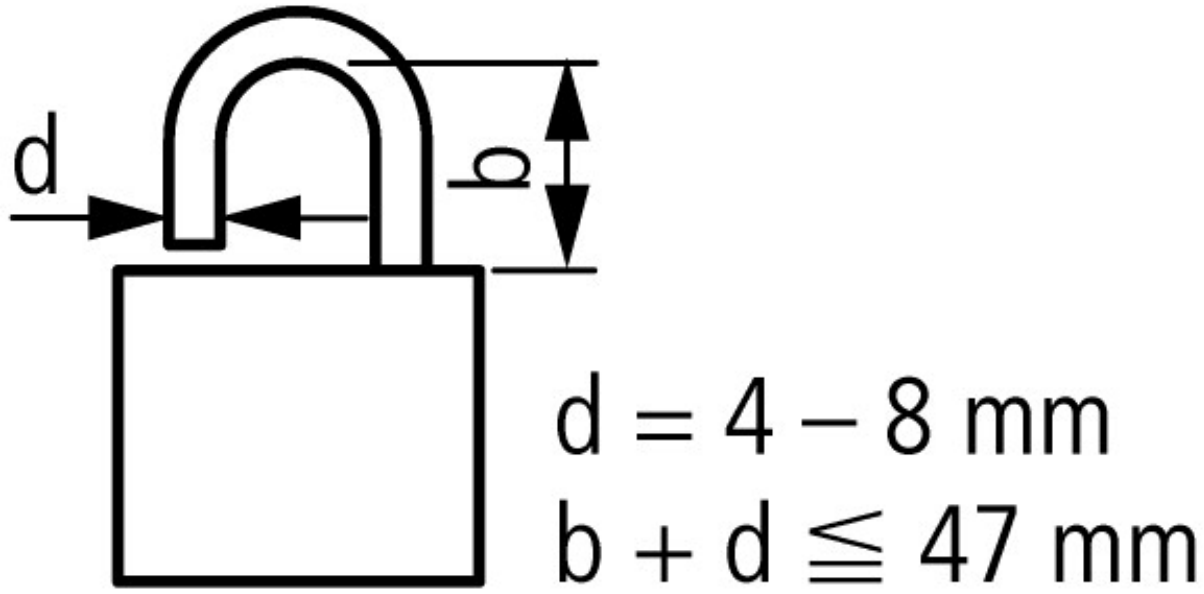


For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)
The blocked rotor current of the motor should not exceed the rated current of the switch for AC-21A to ensure a reasonable device lifespan.

Dimensions



② Label mount not included as standard



3 padlocks

Additional product information (links)

AWA1150-1690 (IL03802002Z) Switch-Disconnectors P3 for flush mounting	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/16900808.pdf
Engineering	
Technical overview	ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Ovt_t_p_Leistung_G.pdf
Key to part numbers, modular system	ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Ovt_t_p_Typenschluessel_G.pdf
Ordering of non-standard switches	ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Bestellformulare_de.pdf