

Main switchSurface mounting

Part no. P1-25/I2H/SVB



Article no. 226900

IP65

Basic function Basic function Basic function Part group reference le.g. DLI) Protection type Protection type Protection type Emargency step Emargency step Contact sequence Carriact sequence Front plate no. Main conducting paths No. of potes Auxiliary contacts Max. motor rating Auxiliary contacts Max. motor rating Ac-22A 409415 Y 594 8h 2 Auxiliary contents P. W. I3 Selection the control contents Max. motor rating Max. motor rating Ac-24A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection Max. motor rating Ac-24A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection Max. motor rating Ac-24A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-24A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-25A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-25A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-26A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-26A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-26A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Ac-26A 409415 Y 595 8h 2 Rate duministry contents P. W. I3 Selection the control contents Max. motor rating Act 26A 409415 Y 595 8h 2 4004 P. W. M.	Program			
Maintenance switches Maintenan	Range			Load current switches
Design Protection type Frostection type Emergency stop Emergency stop Emergency stop Contact sequence Contact sequence Front plate no. Main conducting paths No. of poles Auxiliary contacts No. of poles Max. motor rating Ac-23A 40.815 V 99 80 N Surface mounting IPES Lockable in the (OH) position without auxiliary contacts Lockable in the OH) position without auxiliary contacts Lockable in the OH) position without auxiliary contacts Lockable in the OH) position without auxiliary contacts Front plate no. I ON OFF M 3 Auxiliary contacts NO of poles M 3 Auxiliary contacts P NN 0 0 B 0 Max. motor rating AC-23A 40.815 V 90 8 N 13	Basic function			Maintenance switches
Protection type Emergency stop Emergency stop Standards Lucking facility Contact sequence Front plate no: Main conducting paths No. of poles Auxiliary contacts Max. motor rating AC-23IA 40-4151Y P	Part group reference (e.g. DIL)			P1
Emergency stop As an emergency switching off/emergency stop device With red rotary handle and yellow locking ring According to IEC/PR 68294-1, VDE 0113 Part 1 Lockaing facility Lockaing facility Contact sequence Contact sequence Front plate no. Main conducting paths No. of poles According to IEC/PR 68294-1, VDE 0113 Part 1 Lockain in the 0 (0ff) position without auxiliary contacts FS 908 Main conducting paths No. of poles Auxiliary contacts M 3 Auxiliary contacts M 3 Auxiliary contacts M 3 Auxiliary contacts N/O 0 B 0 Max. motor rating AC-23A MOX15V 50-60 Hz P NW 13	Design			Surface mounting
Emergency stop As an emergency switching off/emergency stop device With red rotary handle and yellow locking ring According to IEC/PR 68294-1, VDE 0113 Part 1 Lockaing facility Lockaing facility Contact sequence Contact sequence Front plate no. Main conducting paths No. of poles According to IEC/PR 68294-1, VDE 0113 Part 1 Lockain in the 0 (0ff) position without auxiliary contacts FS 908 Main conducting paths No. of poles Auxiliary contacts M 3 Auxiliary contacts M 3 Auxiliary contacts M 3 Auxiliary contacts N/O 0 B 0 Max. motor rating AC-23A MOX15V 50-60 Hz P NW 13				
Emergency stop Standards Locking facility Contact sequence Front plate no. Main conducting paths No. of poles Auxiliary contacts Max. motor rating AC-23A 400/415V 50-80 Hz As an emergency switching offlemergency stop device With red rotary handle and yellow locking ring According to 16L/CK 80204-1, VDE 0113 Part 1 Lockable in the 0 (0ffl position without auxiliary contacts I Lockable in the 0 (0ffl position without auxiliary contacts Front plate no. I Lockable in the 0 (0ffl position without auxiliary contacts FS 908 A 3 A 904 B 0 MX 13	Protection type			IP65
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Standards Locking facility Contact sequence Front plate no. Main conducting paths No. of poles Auxiliary contacts No. of poles Auxiliary contacts No. of poles Auxiliary contacts P	Emergency stop			As an emergency switching off/emergency stop device
Locking facility Contact sequence Contact sequence Front plate no. Main conducting paths No. of poles Auxiliary contacts Max. motor rating AC-23A 400/415 V 50-80 Hz Lockable in the 0 (0ff) position without auxiliary contacts FLORIDAD Without auxiliary contacts TON OFF P				With red rotary handle and yellow locking ring
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Contact sequence Front plate no. Main conducting paths No. of poles Auxiliary contacts Max. motor rating AC-23A 400/415 V 50-60 Hz Right Signature of the sequence of the	Locking facility			Lockable in the 0 (Off) position
Front plate no. Front plate no.				without auxiliary contacts
Main conducting paths No. of poles	Contact sequence			
No. of poles M 3 Auxiliary contacts N/O 0 N/O B 0 Max. motor rating V V AC-23A P kW 13 400/415 V 50-60 Hz P kW 13	Front plate no.			O OFF
Auxiliary contacts N/O 0 N/O 0 B 0 Max. motor rating V V V AC-23A V V V 400/415 V 50-60 Hz P kW 13	Main conducting paths			
N/0 0 B 0 Max. motor rating AC-23A 400/415 V P kW 13	No. of poles		М	3
B 0	Auxiliary contacts			
Max. motor rating AC-23A 400/415 V 50-60 Hz P kW 13			N/0	0
AC-23A 400/415 V 50-60 Hz P kW 13			В	0
400/415 V P kW 13 50-60 Hz	Max. motor rating			
50-60 Hz	AC-23A			
Rated uninterrupted current I _u A 25	400/415 V 50-60 Hz	Р	kW	13
	Rated uninterrupted current	I _u	Α	25

Approbationen
UL approval
CSA approval

No No

General Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA,
ocumuu oo			UL switch disconnector according to IEC/EN 60947-3
Lifespan, mechanical	Operations	x 10 ⁶	0.3
Maximum operating frequency		Operat h	ion ≸ 0
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	0000 2 00
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	l _u	Α	
open	lu	Α	25
Enclosed	l _u	Α	25
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
Switching angles		0	90
Current heat loss per contact at I _e		W	1.1
Terminal capacities			
Solid or stranded		mm ²	1 x (1.5 - 6) 2 x (1.5 - 6)
Flexible with ferrule to DIN 46228		mm ²	1 x (1 - 4) 2 x (1 - 4)
Terminal screw			M4
Fightening torque		Nm	1.6
Switching capacity			
AC		x U _s	
Rated making capacity $\cos \phi = 0.35$		Α	240
Rated breaking capacity, motor load switch $\cos \phi = 0.35$		Α	
230 V		A	190
400 V		A	150
500 V 690 V		A A	170 150
Rated operational current 440 V load-break switch AC-21A	l _e	A	25
Rating, AC-3 motor load switch	P	kW	
220/230 V	P	kW	5.5
400 V	P	kW	7.5
500 V	P	kW	7.5
690 V	Р	kW	7.5
AC-23A Motor load switches (main switches maintenance switches)	Р	kW	
230 V	Р	kW	7

400 V	Р	kW 13
500 V	Р	kW 11
690 V	Р	kW 11
DC		x U _s
DC-1, Load-break switches L/R = 1 ms		
Rated operational current	l _e	A 25
Voltage per contact pair in series		V 60
DC-23A, motor load switchL/R = 15 ms		
24 V		
Rated operational current	I _e	A 25
Contacts		Quantity 1
48 V		
Rated operational current	l _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

Auxiliary contacts

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

Notes

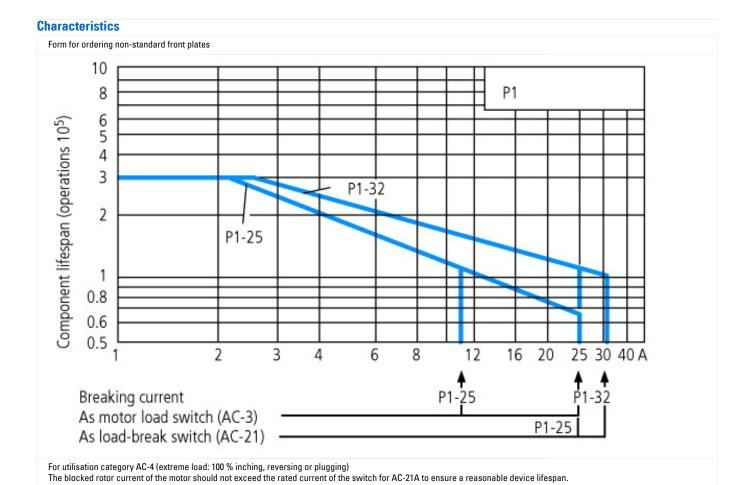
Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft The rated uninterrupted current I_u is stated at max. connected cross-section.

For terminal capacity solid, stranded and flexible:

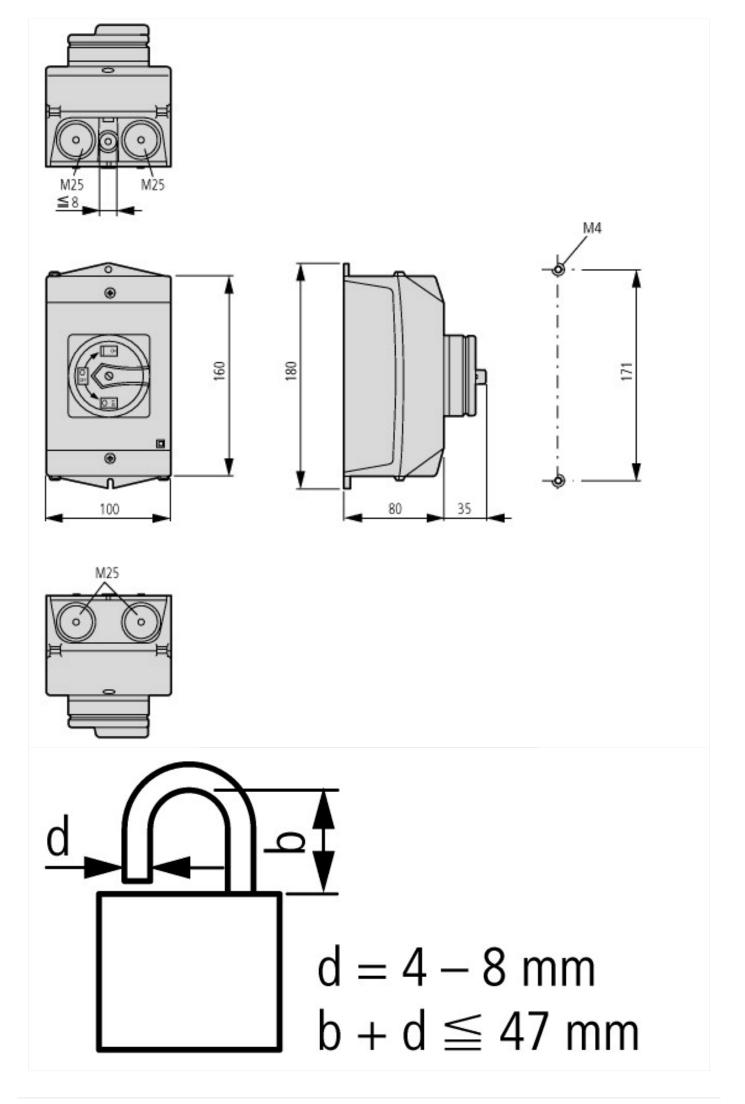
Max. 2 cross-section sizes difference admissible when using 2 conductors.

Technical data according to ETIM 4.0

recimical data according to ETHM 4.0		
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Rated permanent current lu	Α	25
Number of poles		3
Conditioned rated short-circuit current Iq	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 disconnector compact		YES
Version as safety switch		No
Version as maintenance-/service switch		YES
Rated operation power at AC-23, 400V	kWh	13
Rated operation power AC-3, 400 V	kWh	7.5
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	٧	690
Motor drive optional		No
Voltage release optional		No
Device construction		Complete device in housing



Dimensions





Additional product information (links)

AWA1150-1689 (IL03802001Z) Switch-Disconnectors in insulated enclosures	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/16890304.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