

## I2/SVB main switch

P1-32/I2/SVB-SW/HI11 Part no.

Article no. 207316





IP 65

IP 65

Delivery programme				
			Without Emergency-Stop function	
			With auxiliary contacts	
Contact sequence			23 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Main conducting paths				
No. of poles		M	3	
Auxiliary contacts				
		N/O	1	
		В	1	
Max. motor rating				
AC-23A				
400/415 V 50-60 Hz 	P	kW	15	
Rated uninterrupted current	<i>I</i> <sub>u</sub>	Α	32	
Design			Surface mounting	
Protection type				
Note for table headerWith black rotary handle and locking collar, lockable in the 0 position				

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General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch disconnector according to IEC/EN 60947-3
Lifespan, mechanical	Operations	× 10 <sup>6</sup>	0.3
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	<b>%#8211</b> ; -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	<i>U</i> e	V AC	690
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current	<i>I</i> <sub>u</sub>	Α	
open	<i>I</i> <sub>u</sub>	Α	32
Enclosed	<i>I</i> <sub>u</sub>	Α	32
Load rating with intermittent operation, class 12			
AB 25 % DF		× l <sub>e</sub>	2
AB 40 % DF		× l <sub>e</sub>	1.6
AB 60 % DF		× l <sub>e</sub>	1.3
Short-circuit rating			
Fuse		A gG/gL	50

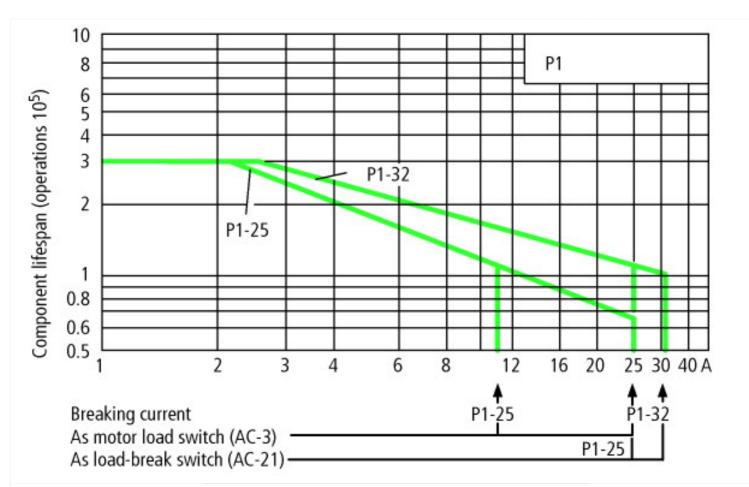
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Switching anglese         *         90           Curren hast loss per contact at la,         W         18           Terminal capacities           Flouble with forrule to DN 46228         mm²         1 x (15 - 8) 2 x (1 - 4)	Rated short-time withstand current (1 s current)	I <sub>cw</sub>	A <sub>rms</sub>	640
Current heat loss per contact at ℓ <sub>q</sub> W         1.8           Terminal capacities           Solid or standed         mm²         2 x(1.5 - 6) 2 x	Switching angles		•	90
Terminal capacities         mm²         1 x (1.5 - 6) (2 x (1.5 - 6))           Floothe with ferrule to DIN 48228         mm²         1 x (1 - 4) (2 x (1.5 - 6))           Terminal screw         M4         1.5 (1 - 4) (2 x (1.5 - 6))           Tightening torque         M4         1.5 (1 - 4) (2 x (1.5 - 6))           Switching capacity         W         1.5 (1 - 4) (2 x (1.5 - 6))           Rade draking capacity on # = 0.35         A         20 (2 x (1.5 - 6))           Rade of breaking capacity, motor load switch cos # = 0.35         A         200 (2 x (1.5 - 6))           400 V         A         200 (2 x (1.5 - 6))           400 V         A         200 (2 x (1.5 - 6))           400 V         A         200 (2 x (1.5 - 6))           8 Rade of perational current 440 V load-break switch AC-214         M         200 (2 x (1.5 - 6))           8 Rade of perational current 440 V load-break switch AC-214         M         A         20 (2 x (1.5 - 6))           8 Rade of operational current 400 V load-break switch AC-214         M         A         32 (2 x (1.5 - 6))           2 S0 V         P         kW         1.5 (2 x (1.5 - 6))         4 (1.5 k (1.5 - 6))           8 S0 V         P         kW         1.5 (2 x (1.5 - 6))         4 (1.5 k (1.5 - 6))           P Cot-1, Load-break switch EC R =			W	1.8
Solid or stranded         mm²         1 x (1.5 – 6) 2 x (1.6 – 6) 2 x (1.6 – 6)           Flexible with ferrule to DIN 48228         m²         1 x (1 – 4) 2 x (1 – 4) 2 x (1 – 4)           Terminal screw         M         M4           Toghteen proque         M         M6           Switching capacity         W. U.         M           Read making capacity, cost # = 0.35         x U.         A         30           Rated breaking capacity, motor load switch cos # = 0.35         A         200         400 V         A         200           400 V         A         300         400 V         A         200         400 V         800 V         8				
Teminal screw			mm <sup>2</sup>	
Typenening longue         Nime         1.6           Switching capacity           C         x U <sub>6</sub> 320           Rated making capacity, motor load switch cos # = 0.35         A         320           Rated breaking capacity, motor load switch cos # = 0.35         A         260           230 V         A         260           400 V         A         200           600 V         A         250           Rated operational current 440 V load-break switch AC-21A         I <sub>6</sub> A         32           Rated operational current 440 V load-break switch AC-21A         I <sub>6</sub> A         32           AC-23A Motor load switches (main switches maintenance switches (main switches (main switches maintenance switches (main switc	Flexible with ferrule to DIN 46228		mm <sup>2</sup>	
Switching capacity           AC         x U <sub>6</sub> x U <sub>6</sub> 320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         320         <	Terminal screw			M4
AC Rated making capacity, motor load switch cos # = 0.35 Rated breaking capacity, motor load switch cos # = 0.35  Rated breaking capacity, motor load switch cos # = 0.35			Nm	1.6
Rated making capacity, motor load switch cos # = 0.35       A       320         230 V       A       260         400 V       A       300         500 V       A       250         Rated operational current 440 V load-break switch AC-21A       I <sub>e</sub> A       32         AC-23A Motor load switches (main switches maintenance switches)       P       kW       32         230 V       P       kW       8.5         400 V       P       kW       15         500 V       P       kW       15         600 V       P       kW       18.5         DC-1, Load-break switches L/R = 1 ms       XU <sub>b</sub> 8.5         Rated operational current       V <sub>e</sub> A       32         Voltage per contact pair in series       V       B       Contacts       V         DC-23A, motor load switch L/R = 15 ms       V       Contacts       Contacts       Contacts       Contacts       Contacts       Contacts       Contacts       Contacts				
Rated breaking capacity, motor load switch cos # = 0.35         A         260           230 V         A         260           400 V         A         290           500 V         A         250           690 V         A         250           Rated operational current 440 V load-break switch AC-21A         I <sub>e</sub> A         32           AC-23A Motor load switches (main switches maintenance switches (main switches (main switches maintenance switches (main switches (main switches maintenance switches (main switches (	AC		× U <sub>s</sub>	
230 V       A       260         400 V       A       300         500 V       A       290         690 V       A       250         Rated operational current 440 V load-break switch AC-21A       I <sub>B</sub> A       32         AC-23A Motor load switches (main switches maintenance switches)       P       kW       35         230 V       P       kW       15         400 V       P       kW       18.5         500 V       P       kW       18.5         690 V       P       kW       18.5         DC-1, Load-break switches L/R = 1 ms       V       40         Rated operational current       I <sub>B</sub> A       32         Voltage per contact pair in series       V       60         DC-23A, motor load switch L/R = 15 ms       V       60         24 V       A       25         Rated operational current       I <sub>B</sub> A       25         48 V       Contacts       Quantity       1         60 V       Quantity       2         Rated operational current       I <sub>B</sub> A       25         Go V       Quantity       3         Rated operational current	Rated making capacity cos # = 0.35		Α	320
A   300     500 ∨	Rated breaking capacity, motor load switch cos # = 0.35		Α	
A   290     690 V   A   250     Rated operational current 440 V load-break switch AC-21A   I <sub>0</sub>   A   32     AC-23A Motor load switches (main switches maintenance switches)   P   kW   8.5     400 V   P   kW   15     500 V   P   kW   18.5     690 V   P   kW   18.5     690 V   P   kW   18.5     690 V   P   kW   18.5     DC-1, Load-break switches L/R = 1 ms   V     Rated operational current   I <sub>0</sub>   A   32     24 V   60     Contacts   Quantity   1     48 V   Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   2     Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   2     Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   2     Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   2     Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   2     Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   2     Rated operational current   I <sub>0</sub>   A   25     Contacts   Quantity   3     Rated operational current   I <sub>0</sub>   A   25     Contacts   A   25     Rated operational current   I <sub>0</sub>   A   25     Contacts   A   25     Contacts   A   25     Rated operational current   I <sub>0</sub>   A   25     Rated operational current   I <sub>0</sub>   A   25     Rated operational current   I <sub>0</sub>   A   25     Contacts   A   25     Rated operational current   I <sub>0</sub>   A   25     Rated operational current   A   A   25     Rated operational current   A   A   A   25     Rated operati	230 V		Α	260
690 V       Rated operational current 440 V load-break switch AC-21A       I <sub>6</sub> A       32         AC-23A Motor load switches (main switches maintenance switches)       P       kW       S         230 V       P       kW       8.5         400 V       P       kW       15         500 V       P       kW       18.5         690 V       P       kW       18.5         DC-1, Load-break switches L/R = 1 ms       X U <sub>6</sub> Y         Rated operational current       I <sub>6</sub> A       32         Voltage per contact pair in series       V       60         DC-23A, motor load switch L/R = 15 ms       V       60         24 V       V       Contacts       Quantity       1         48 V       Rated operational current       I <sub>6</sub> A       25         Contacts       Quantity       1       2         Contacts       Quantity       3       2         Rated operational current       I <sub>6</sub> A       25         Contacts       Quantity       3       3         Contacts       Quantity       3         Rated operational current       I <sub>6</sub> A       25         Contacts <td>400 V</td> <td></td> <td>Α</td> <td>300</td>	400 V		Α	300
Rated operational current 440 V load-break switch AC-21A         I <sub>6</sub> A         32           AC-23A Motor load switches (main switches maintenance switches)         P         kW         8.5           230 V         P         kW         15           400 V         P         kW         18.5           500 V         P         kW         18.5           690 V         P         kW         18.5           DC-1, Load-break switches L/R = 1 ms         VU         60           Rated operational current         I <sub>6</sub> A         32           Voltage per contact pair in series         V         60           DC-23A, motor load switch L/R = 15 ms         V         60           24 V         Rated operational current         I <sub>6</sub> A         25           Contacts         Quantity         1           48 V         Contacts         Quantity         2           Rated operational current         I <sub>6</sub> A         25           Contacts         Quantity         2           Rated operational current         I <sub>6</sub> A         25           Contacts         Quantity         3           Rated operational current         I <sub>6</sub> A	500 V		Α	290
AC-23A Motor load switches (main switches maintenance switches)   230 V	690 V		Α	250
switches)         P         kW         8.5           400 V         P         kW         15           500 V         P         kW         18.5           600 V         P         kW         18.5           DC-1, Load-break switches L/R = 1 ms         V         Western than the series of the switches L/R = 1 ms         V           Rated operational current         Interpretational current of the switch L/R = 15 ms         V         60           DC-23A, motor load switch L/R = 15 ms         V         60           24 V         V         60           Rated operational current         Ie         A         25           Contacts         Quantity         1           Rated operational current         Ie         A         25           Contacts         Quantity         2           Rated operational current         In the second of	Rated operational current 440 V load-break switch AC-21A	<i>l</i> e	Α	32
March   Marc	· ·	Р	kW	
F	230 V	P	kW	8.5
DC	400 V	P	kW	15
DC-1, Load-break switches L/R = 1 ms         x U <sub>S</sub> Rated operational current         I <sub>e</sub> A         32           Voltage per contact pair in series         V         60           DC-23A, motor load switch L/R = 15 ms         V         60           24 V         V         Contacts           Rated operational current         I <sub>e</sub> A         25           Contacts         Quantity         1           Rated operational current         I <sub>e</sub> A         25           Contacts         Quantity         2           60 V         V         Contacts         Quantity         2           Rated operational current         I <sub>e</sub> A         25           Contacts         Quantity         3           Contacts         Quantity         3           Rated operational current         I <sub>e</sub> A         25           Rated operational	500 V	Р	kW	18.5
DC-1, Load-break switches L/R = 1 ms       Ie       A       32         Rated operational current       Ie       A       32         Voltage per contact pair in series       V       60         DC-23A, motor load switch L/R = 15 ms       ————————————————————————————————————	690 V	P	kW	18.5
Rated operational current	DC		× U <sub>s</sub>	
Voltage per contact pair in series         V         60           DC-23A, motor load switch L/R = 15 ms         V         60           24 V         V         Eated operational current         Ie         A         25           Contacts         Quantity         1         1           48 V         A         25         2           Contacts         Quantity         2           Contacts         Quantity         2           60 V         A         25           Rated operational current         Ie         A         25           Contacts         Quantity         3           120 V         A         12	DC-1, Load-break switches L/R = 1 ms			
DC-23A, motor load switch L/R = 15 ms  24 V  Rated operational current  48 V  Rated operational current  Ie A 25  Quantity 1  AR 25  Contacts  Quantity 2  Contacts  Quantity 2  Contacts  Quantity 2  Contacts  Quantity 2  Contacts  Quantity 3  120 V  Rated operational current  Ie A 12	Rated operational current	l <sub>e</sub>	Α	32
24 V       Rated operational current       Ie       A       25         Contacts       Quantity       1         48 V       Taked operational current       Ie       A       25         Contacts       Quantity       2         60 V       Quantity       2         Rated operational current       Ie       A       25         Contacts       Quantity       3         120 V       Rated operational current       Ie       A       12	Voltage per contact pair in series		V	60
Rated operational current $I_{\rm e}$ A 25 Contacts Quantity 1  48 V	DC-23A, motor load switch L/R = 15 ms			
Contacts       Quantity       1         48 V	24 V			
A8 V  Rated operational current  I <sub>e</sub> A 25  Contacts Quantity 2  60 V  Rated operational current I <sub>e</sub> A 25  Contacts Quantity 3  120 V  Rated operational current I <sub>e</sub> A 12	Rated operational current	l <sub>e</sub>	Α	25
Rated operational current    Ie   A   25     Quantity   2     60 V	Contacts		Quantity	1
Contacts       Quantity       2         60 V       ————————————————————————————————————	48 V			
Contacts  Rated operational current  Contacts  Contacts  Rated operational current  Rated operational current  Rated operational current  Rated operational current  I <sub>e</sub> A  25  Quantity  3  120 V  Rated operational current  I <sub>e</sub> A  12	Rated operational current	<i>l</i> e	Α	25
Rated operational current  I <sub>e</sub> A 25 Contacts Quantity 3 120 V Rated operational current I <sub>e</sub> A 12	Contacts		Quantity	2
Rated operational current  le A 25  Contacts Quantity 3  120 V  Rated operational current le A 12				
Contacts Quantity 3 120 V Rated operational current I <sub>e</sub> A 12		l <sub>e</sub>	Α	25
120 V  Rated operational current  I <sub>e</sub> A  12			Quantity	
Rated operational current $I_{\rm e}$ A 12			,	
		l <sub>e</sub>	A	12
		0		

## **Notes**

Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft The rated uninterrupted current  $I_{\rm u}$  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.

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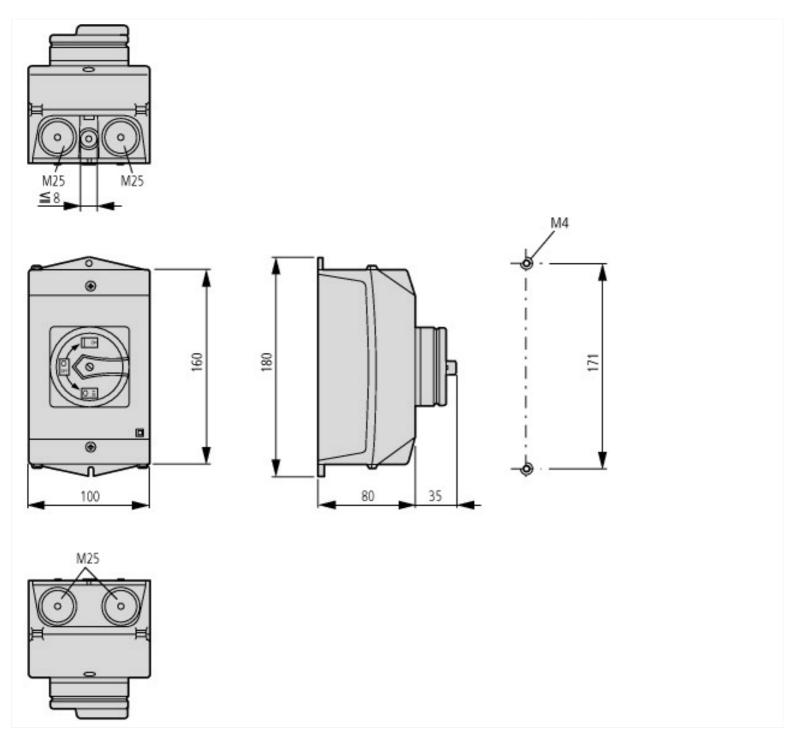


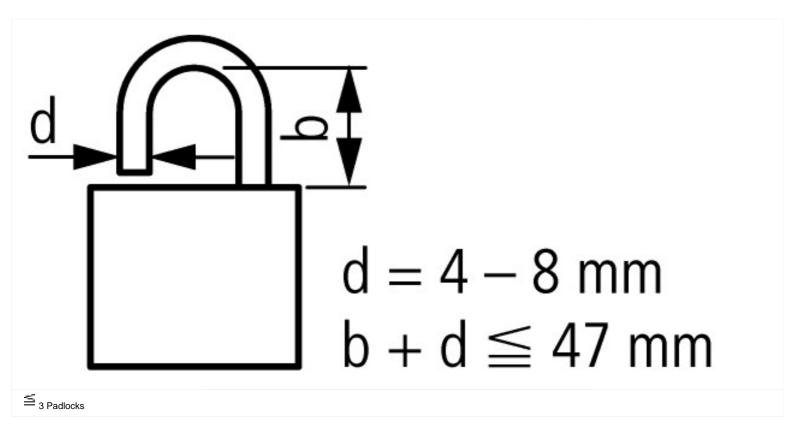
For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)

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** 

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