# DATASHEET - P5-125/V/SVB-SW/N



Main switch, P5, 125 A, rear mounting, 3 pole + N, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position



Part no. P5-125/V/SVB-SW/N Catalog No. 280919

	program

Delivery program			
Product range			Main switch maintenance switch Repair switch
Part group reference			P5
Stop Function			STOP function
			With black rotary handle and locking ring
Information about equipment supplied			auxiliary contact fitted by user.
Number of poles			3 pole + N
Auxiliary contacts			
f		N/0	0
<b>7</b>		N/C	0
Locking facility			Lockable in the 0 (Off) position
Degree of Protection			Front IP65
Design			rear mounting
Contact sequence			23 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Function			OFF ION
Motor rating AC-23A, 50 - 60 Hz			_
400 V	P .	kW	45
Rated uninterrupted current	I <sub>u</sub>	Α	125
Note on rated uninterrupted current !u			Rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$ is specified for max. cross-section.

## Technical data

General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnector according to IEC/EN 60947-3
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +50
Enclosed		°C	-25 - +40
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	$U_{imp}$	V AC	8000

Mounting position			As required
Contacts			
Mechanical variables			
Number of poles			3 pole + N
Auxiliary contacts			
		N/0	0
		N/C	0
Electrical characteristics			
Rated operational voltage	U <sub>e</sub>	V AC	690
Rated uninterrupted current	I <sub>u</sub>	Α	125
Note on rated uninterrupted current !u			Rated uninterrupted current $I_u$ is specified for max. cross-section.
Load rating with intermittent operation, class 12			
AB 25 % DF		x l <sub>e</sub>	2
AB 40 % DF		x I <sub>e</sub>	1.6
AB 60 % DF			1.3
		x I <sub>e</sub>	1.0
Short-circuit rating			
Fuse		A gG/gL	
Rated short-time withstand current (1 s current)	I <sub>cw</sub>	A <sub>rms</sub>	2500
Note on rated short-time withstand current lcw			Current for a time of 1 second
Rated conditional short-circuit current	Iq	kA	30
Switching capacity			ara.
cos φ rated making capacity as per IEC 60947-3		Α	850
Rated breaking capacity cos φ to IEC 60947-3		Α	
230 V		Α	800
400/415 V		А	750
500 V		Α	650
690 V		Α	340
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at I <sub>e</sub>		W	8
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Maximum operating frequency	Operations/h		50
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	22
400 V 415 V	P	kW	37
500 V	P	kW	45
690 V	P	kW	30
Rated operational current motor load switch			
230 V	I <sub>e</sub>	Α	72
400V 415 V	I <sub>e</sub>	Α	66
500 V	I <sub>e</sub>	A	58
690 V	I <sub>e</sub>	A	32
AC-21A	G		
Rated operational current switch			
440 V		A	125
	l <sub>e</sub>	A	123
AC-23A			
Motor rating AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	30
400 V 415 V	Р	kW	45
500 V	P	kW	55
690 V	P	kW	37
Rated operational current motor load switch			

230 V	I <sub>e</sub>	Α	96
400 V 415 V	I <sub>e</sub>	A	80
500 V			
	l <sub>e</sub>	A	78
690 V	l <sub>e</sub>	Α	39
DC			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	l <sub>e</sub>	Α	125
Voltage per contact pair in series		V	42
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	l <sub>e</sub>	Α	125
Contacts		Quantity	3
48 V			
Rated operational current	l <sub>e</sub>	Α	125
Contacts		Quantity	3
60 V			
Rated operational current	I <sub>e</sub>	Α	125
Contacts		Quantity	3
120 V			
Rated operational current	I <sub>e</sub>	Α	40
Contacts		Quantity	3
Control circuit reliability at 24 V DC, 10 mA	Fault	H <sub>F</sub>	< 10 <sup>-5</sup> ,< 1 failure in 100,000 switching operations
	probability	· ·	C to "," I failule in 100,000 switching operations
Terminal capacities			
Solid or stranded		mm <sup>2</sup>	1 x 95 2 x 35
Flexible with ferrules to DIN 46228		mm <sup>2</sup>	1 x 70 2 x 25
Copper strip	Number of segments x width x thickness	mm	1 x 13 x 3 2 x 13 x 1.5
Terminal screw			Allen screw 5
Tightening torque for terminal screw		Nm	14
Technical safety parameters:			
Notes			B10 <sub>d</sub> values as per EN ISO 13849-1, table C1
Rating data for approved types			
Contacts			
Rated operational voltage	U <sub>e</sub>	V AC	600
Rated uninterrupted current max.			
Main conducting paths			
General use		Α	150
Auxiliary contacts			
General Use	l <sub>U</sub>	Α	10
Pilot Duty			A 600
Switching capacity			
Maximum motor rating			
Single-phase			
120 V AC		HP	7.5
240 V AC		HP	20
277 V AC		HP	20
Three-phase			
120 V AC		HP	15
240 V AC		HP	30
480 V AC		HP	60
600 V AC		HP	60
Short Circuit Current Rating		SCCR	

Basic Rating	kA	10
max. Fuse	А	350 Class RK1
High fault rating	kA	65
max. Fuse	А	300, Class J
Terminal capacity		
Solid or flexible conductor with ferrule	AWG	3/0
Flexible	AWG	2/0
Terminal screw		Allen screw 5
Tightening torque	lb-in	125

# Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	125
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	3.1
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	50
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			UV resistance only in connection with protective shield.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **Technical data ETIM 7.0**

Low-voltage industrial components (EG000017) / Switch disconnector (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

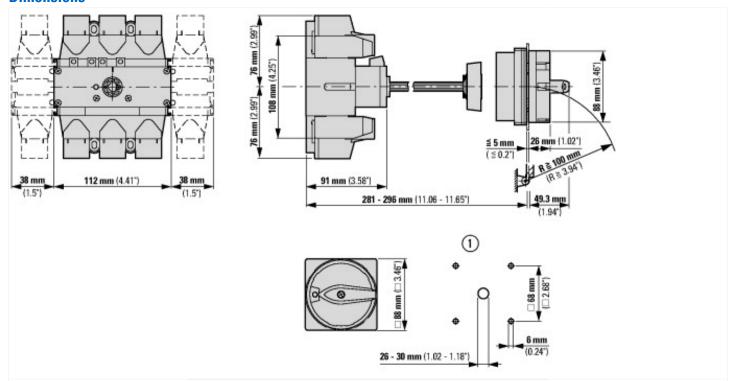
Version as main switch	Yes
Version as maintenance-/service switch	Yes
Version as safety switch	No
Version as emergency stop installation	No

Version as reversing switch         No           Number of switches         Image: Propertion of switches         Image: Propertion of switches         Image: Propertion of switches         V         880           Rated operating voltage         Image: Propertion of Switches         V         890         880           Rated operating voltage         Image: Propertion of Switches         A         125         125           Rated permanent current at AC-3, 400 V         Image: Propertion op Switches         Image: Propertion op Switches         125         125           Rated operation op ower at AC-3, 400 V         Image: Propertion op Switches         Image: Propertion op Switches         125         125           Rated short-time withstand current Iq         Image: Propertion op Switches         Image: Propertion op Switches         125 <t< th=""><th></th><th></th><th></th><th></th></t<>				
Max. rated operation voltage Un AC         V         699 - 690           Rated operating voltage         V         899 - 690           Rated operating voltage         A         125           Rated permanent current at AC-23, 400 V         A         30           Rated operation power at AC-3, 400 V         K         30           Rated short-time withstand current low         K         40         35           Rated short-time withstand current low         K         40         45           Rated short-time withstand current low         K         40         45           Rated operation power at AC-23, 400 V         KW         45           Rated short-time withstand current low         KW         40         40           Number of auxiliary contacts as normally closed contact         KW         40         40           Number of auxiliary contacts as change-over contact         KW         40         40	Version as reversing switch			No
Rated operating voltage         V         890 - 690           Rated permanent current Iu         A         125           Rated permanent current at AC-23, 400 V         A         80           Rated operation power at AC-3, 400 V         W         37           Rated short-time withstand current Iew         A         25           Rated short-time withstand current Iew         A         30           Rated short-time withstand current Iew         A         30           Rated short-time withstand current Iew         A         25           Rated short-time withstand current Iew         A         25           Rated operation power at AC-23, 400 V         AW         45           Switching power at 400 V         W         4           Conditioned rated short-circuit current Iq         A         30           Number of poles         A         6         4           Number of auxiliary contacts as normally open contact         B         0         0           Number of auxiliary contacts as change-over contact         B         0         0           Motor drive pitional         B         0         0           Motor drive pitional         B         0         0           Suitable for fortn mounting 4-bole         B <td>Number of switches</td> <td></td> <td></td> <td>1</td>	Number of switches			1
Rated permanent current lu         A         125           Rated permanent current at AC-23,400 V         4         A         125           Rated permanent current at AC-21,400 V         4         A         125           Rated permanent current at AC-3,400 V         4         A         25           Rated short-time withstand current lcw         4         A         4           Rated operation power at AC-23,400 V         6         AW         4           Switching power at 400 V         6         AW         5           Conditioned rated short-circuit current lq         AW         3         3           Number of poles         4         A         3           Number of auxiliary contacts as normally closed contact         B         B         B         B           Number of auxiliary contacts as change-over contact         B	Max. rated operation voltage Ue AC	٧	V	690
Rated permanent current at AC-23, 400 V         A         25           Rated operation power at AC-3, 400 V         KW         37           Rated operation power at AC-23, 400 V         KW         25           Rated short-time withstand current low         KW         40           Rated short-time withstand current low         KW         45           Switching power at AD-23, 400 V         KW         45           Switching power at 400 V         KW         5           Conditioned rated short-circuit current lq         KW         30           Number of poles         KW         4         4           Number of auxiliary contacts as normally closed contact         KW         6         6           Number of auxiliary contacts as change-over contact         KW         6         6           Motor drive optional         KW         7         No           Motor drive optional         KW         8         No           Voltage release optional         KW         8         No           Suitable for front mounting 4-hole         KW         9         No           Suitable for front mounting 2-hole         KW         No         No           Suitable for front mounting 2-hole         KW         Yes         No	Rated operating voltage	٧	V	690 - 690
Rated permanent current at AC-21, 400 V         A         125           Rated operation power at AC-3, 400 V         W         37           Rated short-time withstand current lcw         W         42         25           Rated operation power at AC-23, 400 V         WW         45           Switching power at 400 V         WW         45           Conditioned rated short-circuit current Iq         WW         30           Number of poles         W         4           Number of auxiliary contacts as normally closed contact         W         9           Number of auxiliary contacts as normally open contact         W         9           Motor drive optional         W         9         No           Motor drive integrated         W         9         No           Voltage release optional         N         No         No           Device construction         W         9         No           Suitable for ground mounting         W         9         No           Suitable for front mounting 4-hole         W         9         No           Suitable for front mounting 4-hole         W         No         No           Suitable for front mounting actore         W         No         No           S	Rated permanent current lu	A	A	125
Rated operation power at AC-3,400 V         KW         37           Rated short-time withstand current low         kA         2.5           Rated operation power at AC-23,400 V         kW         4.5           Switching power at 400 V         kW         4.0           Conditioned rated short-circuit current lq         kW         3.0           Number of poles         A         3.0           Number of auxiliary contacts as normally closed contact         C         4.0           Number of auxiliary contacts as change-over contact         C         9.0           Motor drive integrated         C         No.           Voltage release optional         C         No.           Device construction         C         No.           Suitable for ground mounting         C         No.           Suitable for front mounting 4-hole         No.         No.           Suitable for first mounting centre         No.         No.           Suitable for intermediate mo	Rated permanent current at AC-23, 400 V	A	A	80
Rated short-time withstand current low         kA         25           Rated operation power at AC-23, 400 V         kW         45           Switching power at 400 V         kW         45           Conditioned rated short-circuit current lq         kM         30           Number of poles         kM         4           Number of auxiliary contacts as normally closed contact         C         6           Number of auxiliary contacts as normally pone contact         C         0           Mumber of auxiliary contacts as change-over contact         C         0           Motor drive integrated         C         0           Motor drive integrated         No         0           Voltage release optional         C         No           Suitable for ground mounting         No         No           Suitable for ground mounting A-hole         No         No           Suitable for front mounting eartre         No         No           Suitable for front mounting centre         No         No           Suitable for intermediate mounting         No         No           Suitable for intermediate mounting         No         Yes           Colour control element         Po         No           Colour control element         Po<	Rated permanent current at AC-21, 400 V	A	A	125
Rated operation power at AC-23, 400 V         kW         45           Switching power at 400 V         kW         30           Conditioned rated short-circuit current lq         kA         30           Number of poles         F         4           Number of auxiliary contacts as normally closed contact         C         0           Number of auxiliary contacts as normally open contact         D         0           Number of auxiliary contacts as change-over contact         D         No           Motor drive integrated         No         No           Motor drive integrated         No         No           Voltage release optional         No         No           Suitable for ground mounting         No         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting 4-hole         No         No           Suitable for intermediate mounting         No         No           Suitable for intermediate mounting         No         No           Suitable for intermediate mounting         Yes         No           Colour control element         Yes         No           Type of control element         Yes         No           Type of control element         Yes	Rated operation power at AC-3, 400 V	k	kW	37
Switching power at 400 V         kW         45           Conditioned rated short-circuit current Iq         kA         30           Number of poles         4         4           Number of auxiliary contacts as normally closed contact         0         0           Number of auxiliary contacts as normally open contact         0         0           Number of auxiliary contacts as change-over contact         0         0           Motor drive optional         0         No           Motor drive integrated         No         No           Voltage release optional         0         No           Suitable for ground mounting         0         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting 4-hole         No         No           Suitable for distribution board installation         No         No           Suitable for intermediate mounting         Yes         No           Colour control element         No         No           Type of electrical connection of main circuit         No	Rated short-time withstand current lcw	k	kA	2.5
Conditioned rated short-circuit current Iq  Number of poles  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts  Number of auxiliary contacts  Number of auxi	Rated operation power at AC-23, 400 V	k	kW	45
Number of poles  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Notor drive optional  Notor drive integrated  Notor drive integrated  Notor drive integrated  Notor construction  Notitable for ground mounting  Suitable for ground mounting 4-hole  Suitable for front mounting 4-hole  Suitable for front mounting entre  Suitable for distribution board installation  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Type of control element  Personation  Type of electrical connection of main circuit  Type of electrical connection of main circuit  Degree of protection (IP), front side	Switching power at 400 V	k	kW	45
Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Notor drive optional  Motor drive integrated  No  Notor drive integrated  No  No  Suitable for ground mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for firont mounting centre  Suitable for firont mounting oentre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  Degree of protection (I/P), front side	Conditioned rated short-circuit current Iq	k	kA	30
Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Notor drive optional  Motor drive integrated  Notor drive integrated built-in technique  Notor drive built-in technique  Not	Number of poles			4
Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive optional  Motor drive integrated  No  No  No  Device construction  Suitable for ground mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for front mounting centre  Suitable for front mounting centre  Suitable for fortn mounting centre  Suitable for intermediate mounting  Fes  Suitable for intermediate mounting  Frame clamp  Degree of protection (IP), front side	Number of auxiliary contacts as normally closed contact			0
Motor drive optional Motor drive integrated Motor drive integrated No Voltage release optional Device construction Suitable for ground mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for intermediate mounting Suitable for front mounting 4-hole No Suitable for front mounting 4-hole No Suitable for front mounting 4-hole No Suitable for intermediate mounting No Suitable for intermediate mo	Number of auxiliary contacts as normally open contact			0
Motor drive integratedNoVoltage release optionalNoDevice constructionBuilt-in device fixed built-in techniqueSuitable for ground mountingNoSuitable for front mounting 4-holeNoSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingYesColour control elementBlackType of control elementDoor coupling rotary driveInterlockableYesType of electrical connection of main circuitFrame clampDegree of protection (IP), front sideIP65	Number of auxiliary contacts as change-over contact			0
Voltage release optionalNoDevice constructionBuilt-in device fixed built-in techniqueSuitable for ground mountingNoSuitable for front mounting 4-holeNoSuitable for distribution board installationNoSuitable for distribution board installationYesColour control elementBlackType of control elementDoor coupling rotary driveInterlockableYesType of electrical connection of main circuitFrame clampDegree of protection (IP), front sideIP65	Motor drive optional			No
Device construction  Suitable for ground mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  Degree of protection (IP), front side	Motor drive integrated			No
Suitable for ground mounting Suitable for ground mounting 4-hole Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Supe of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side  No  No  No  No  No  No  No  No  No  N	Voltage release optional			No
Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side  No No No No No No No Suitable for intermediate mounting Yes Slack Tyes Door coupling rotary drive Frame clamp Frame clamp IP65	Device construction			Built-in device fixed built-in technique
Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  Degree of protection (IP), front side  No  No  No  Suitable for intermediate mounting  Yes  Door coupling rotary drive  Yes  Frame clamp  IP65	Suitable for ground mounting			No
Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  Degree of protection (IP), front side  No  No  No  Suitable for intermediate mounting  Yes  Door coupling rotary drive  Yes  Frame clamp  1P65	Suitable for front mounting 4-hole			No
Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  Degree of protection (IP), front side  Yes  Yes  Type of electrical connection of main circuit  Degree of protection (IP), front side  Yes  Type of electrical connection of main circuit  Type of electrical c	Suitable for front mounting centre			No
Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  Degree of protection (IP), front side  Black  Door coupling rotary drive  Yes  Frame clamp  IP65	Suitable for distribution board installation			No
Type of control element Interlockable Type of electrical connection of main circuit Degree of protection (IP), front side  Door coupling rotary drive Yes Frame clamp IP65	Suitable for intermediate mounting			Yes
Interlockable Yes  Type of electrical connection of main circuit Frame clamp  Degree of protection (IP), front side IP65	Colour control element			Black
Type of electrical connection of main circuit  Degree of protection (IP), front side  Frame clamp  IP65	Type of control element			Door coupling rotary drive
Degree of protection (IP), front side IP65	Interlockable			Yes
	Type of electrical connection of main circuit			Frame clamp
Degree of protection (NEMA) 12	Degree of protection (IP), front side			IP65
	Degree of protection (NEMA)			12

# Approvals

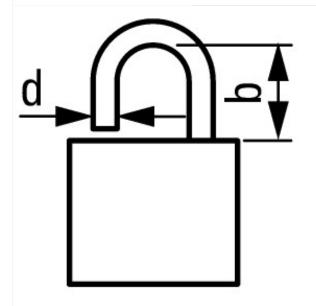
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Product Standards	UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL Category Control No.	NLRV, NLRV7
CSA File No.	223805
CSA Class No.	3211-05
North America Certification	UL listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 1, 12

### **Dimensions**



① Drilling dimensions door

Distance from mounting plate to front with complete axis.



d = 4 - 8 mm  $b + d \le 47 mm$  d = 0.16 - 0.31  $d + d \le 1.85$ 

 $\leq$  3 padlocks

### **Assets (links)**

**Declaration of CE Conformity** 

00003041

**Instruction Leaflets** 

IL03802011Z2018\_04

### **Additional product information (links)**

•	
IL03802011Z Cam Switch: Main switch, On-Off-	switch
IL03802011Z Cam Switch: Main switch, On-Offswitch	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03802011Z2018_04.pdf
Technical overview cam switch, switch-disconnector	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2
System overview cam switch T	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4
System overview switch-disconnector P	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6
Key to part numbers Cam switch	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8
Key to part numbers Switch-disconnector	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8