

safety switch, 6 pole + 1 N/O + 1 N/C, 63 A, Emergency stop function, Lockable in position 0 with cover interlock, surface mounting, with warning label "safety switch"



Part no. T5B-4-15682/I4-SI-SW Article no. 207255

salety switch art group reference T58 STOP function With black rotary handle and locking ring with warning label _safety switch* \$ pole NVC 1 NVC 1 Lockable in position 0 with cover interfock league of Protection Notally insulated Susting Sustance S	•			
Table group reference Table Function Table Function With black rotary handle and locking ring with warning label _safety switch* Spole N/C 1 N/C 1 Lockable in position 0 with cover interfack Pes Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interfack Interface mounting Lockable in position 0 with cover interface Rotary interface mounting Lockable in position 0 with cover interface Rotary interface mounting Lockable in position 0 with cover interface Rotary interface mounting Lockable in position 0 with cover interface Rotary interface mounting Lockable in position 0 with cover int	Delivery program			
Stop Function With black rotary handle and locking ring with warming label _safety switch* Received Auxiliary contacts N/O I N/C I Lockable in position 0 with cover interfacek IP85 Lockable in position 0 with cover in	Product range			safety switch
With black rotary handle and locking ring with varning label_safety switch* 6 pole N/C 1 N/C 1 Lockable in position 0 with cover interlock Pes Contact sequence Unclose Unclose With black rotary handle and locking ring with varning label_safety switch* 6 pole N/C 1 Lockable in position 0 with cover interlock IP65 Cotally insulated surface mounting With black rotary handle and locking ring with varning label_safety switch* 1 N/C 1 Lockable in position 0 with cover interlock IP65 Cotally insulated surface mounting With black rotary handle and locking ring with varning label_safety switch* Lockable in position 0 with cover interlock IP65 Cotally insulated Surface mounting With black rotary handle and locking ring with varning label_safety switch* I	Part group reference			T5B
with warning lobel safety switch" 5 pole	Stop Function			STOP function
Auxiliary contacts N/O N/C N/C Lockable in position 0 with cover interlock IPUS Lockable in position 0				With black rotary handle and locking ring
Auxiliary contacts N/O 1 N/C 1 Lockable in position 0 with cover interlock PPS Itotally insulated surface mounting Contact sequence unction N/O 1 Lockable in position 0 with cover interlock Itotally insulated surface mounting IDN OFF Wotor rating AC-23A, 50 - 60 Hz 400 V P	Notes			with warning label "safety switch"
N/O N/C 1 Lockable in position 0 with cover interfock IP65 Itotally insulated Serger Sourcet sequence Fig. 1 Lockable in position 0 with cover interfock IP65 Itotally insulated Sourcet sequence Fig. 1 Lockable in position 0 with cover interfock IP65 IOAN OFF Wotor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Lockable in position 0 with cover interfock IOAN OFF ACCURATE SEQUENCE IOAN OFF Wotor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Lockable in position 0 with cover interfock IOAN OFF ACCURATE SEQUENCE IOAN OFF Wotor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Lockable in position 0 with cover interfock IOAN OFF IOAN OFF Wotor rating AC-23A, 50 - 60 Hz ACCURATE SEQUENCE IOAN OFF Wotor rating AC-23A, 50 - 60 Hz ACCURATE SEQUENCE IOAN OFF IOAN IOAN OFF IOAN IOAN OFF IOAN I	Number of poles			6 pole
N/C 1 Lockable in position 0 with cover interfock PPS Lockable in position 0 with cover interfock IPPS	Auxiliary contacts			
Lockable in position 0 with cover interlock PES Lockable in position 0 with cover interlock Lockable in position	\ 1		N/0	1
Per legree of Protection Pesign Surface mounting Surface mounting Figure 1	7		N/C	1
Totally insulated Sesign Surface mounting Sur	ocking facility			Lockable in position 0 with cover interlock
Design Surface mounting	Degree of Protection			IP65
Contact sequence Contact sequence Unuction Motor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Rated uninterrupted current I U A 63 Rumber of contact units				totally insulated
Motor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Rated uninterrupted current Iu A 63 Sumber of contact units Contact Contact 4	Design			surface mounting
Motor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Rated uninterrupted current Iu A 63 Sumber of contact units Contact Contact 4				
Motor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Rated uninterrupted current I u A 63 Sumber of contact units	Contact sequence			
400 V P kW 30 Rated uninterrupted current I _u A 63 Number of contact units contact 4	Function			
Rated uninterrupted current I _u A 63 Number of contact units contact 4	Motor rating AC-23A, 50 - 60 Hz			
lumber of contact units contact 4	400 V	P	kW	30
Number of contact units contact unit(s) 4	Rated uninterrupted current	I _u	Α	63
	Number of contact units			4

Technical data

General

General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204 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			
Enclosed	0	C.	-25 - +40

Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U _{imp}	V AC	6000
Mechanical shock resistance		g	15
Mounting position		3	As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Contacts			,
Mechanical variables			
Number of poles			6 pole
Auxiliary contacts			
		N/0	1
		N/C	1
Electrical characteristics			
Rated operational voltage	U _e	V AC	690
Rated uninterrupted current	l _u	Α	63
Note on rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$			Rated uninterrupted current lu is specified for max. cross-section.
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}	1300
Note on rated short-time withstand current lcw			Current for a time of 1 second
Rated conditional short-circuit current	Iq	kA	2
Switching capacity			
$\cos \phi$ rated making capacity as per IEC 60947-3		Α	800
Rated breaking capacity cos φ to IEC 60947-3		Α	
230 V		Α	520
400/415 V		Α	600
500 V		Α	480
690 V		Α	340
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at l _e		W	4.5
Current heat loss per auxiliary circuit at I _e (AC-15/230 V)		CO	4.5
Lifespan, mechanical	Operations	x 10 ⁶	> 0.5
Maximum operating frequency	Operations/h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	Р	kW	15
230 V Star-delta	Р	kW	18.5
400 V 415 V	Р	kW	22
400 V Star-delta	Р	kW	30
500 V	P	kW	22
500 V Star-delta	P	kW	37
690 V	P	kW	15
690 V Star-delta	Р	kW	22
Rated operational current motor load switch			
230 V	l _e	A	51
230 V star-delta	I _e	Α	63
400V 415 V	le	Α	41
400 V star-delta	l _e	Α	63
500 V	l _e	Α	33

500 V star-delta	l _e	Α	57.2
690 V	l _e	Α	17
690 V star-delta	l _e	Α	29.4
AC-21A			
Rated operational current switch			
440 V	l _e	A	63
AC-23A	.6	^	
	D	134/	
Motor rating AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	18.5
400 V 415 V	P	kW	30
500 V	Р	kW	22
690 V	Р	kW	22
Rated operational current motor load switch			
230 V	l _e	Α	63
400 V 415 V	I _e	Α	63
500 V	I _e	Α	33
690 V	I _e	Α	23.8
DC			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	le	A	63
	'е	V	60
Voltage per contact pair in series		V	60
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	I _e	Α	50
Contacts		Quantity	1
48 V			
Rated operational current	le	Α	50
Contacts		Quantity	2
60 V			
Rated operational current	I _e	Α	50
Contacts		Quantity	3
120 V			
Rated operational current	I _e	A	25
Contacts	· ·	Quantity	3
240 V		Quantity	
Rated operational current	1	A	20
	l _e		
Contacts		Quantity	0
DC-13, Control switches L/R = 50 ms			
Rated operational current	l _e	Α	25
Voltage per contact pair in series		V	24
Control circuit reliability at 24 V DC, 10 mA	Fault probability	H _F	$< 10^{-5}, < 1$ fault in 100000 operations
Terminal capacities			
Solid or stranded		mm ²	1 x (2,5 - 35) 2 x (2,5 - 16)
Flexible with ferrules to DIN 46228		mm ²	1 x (1 - 25) 2 x (1.5 - 10)
Terminal screw			M6
Max. tightening torque		Nm	4
Technical safety parameters:			
Notes			B10 _d values as per EN ISO 13849-1, table C1
Rating data for approved types			
Terminal capacity			
Terminal screw			M6
Tightening torque		lb-in	35.32

esid	gn verification	as per	IEC/EN 614	139

Technical data for design verification

•			
Rated operational current for specified heat dissipation	In	Α	63
Heat dissipation per pole, current-dependent	P _{vid}	W	4.5
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	40
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			Please enquire
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 switch gear must be observed. $\label{eq:constraint}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:specification}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

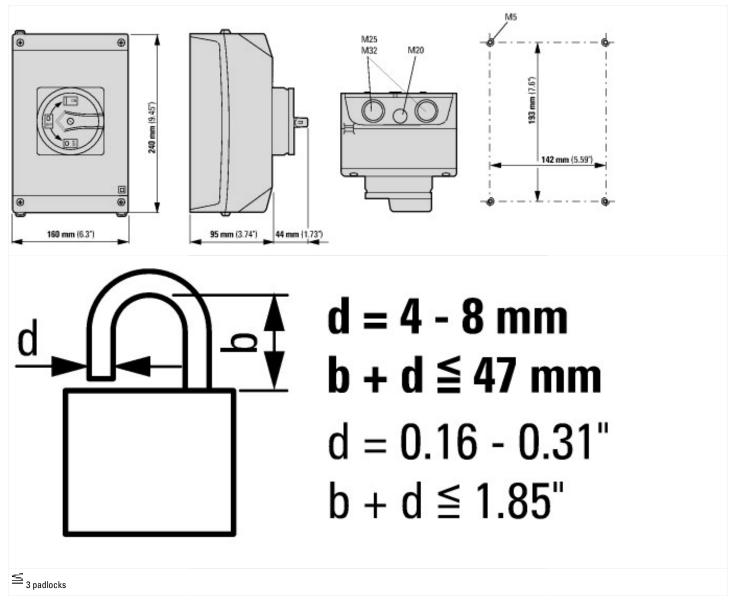
Low-voltage industrial components (EG000017) / Switch disconnector (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss8.1-27-37-14-03 [AKF060010])

[ANFU00U1U])		
Version as main switch		No
Version as maintenance-/service switch		No
Version as safety switch		Yes
Version as emergency stop installation		No
Version as reversing switch		No
Max. rated operation voltage Ue AC	V	690
Rated operating voltage	V	690 - 690
Rated permanent current lu	Α	63
Rated permanent current at AC-21, 400 V	Α	63
Rated operation power at AC-3, 400 V	kW	22
Rated short-time withstand current lcw	kA	1.3
Rated operation power at AC-23, 400 V	kW	30
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	2

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 Motor drive optional Motor drive integrated No Voltage release optional No Device construction Suitable for ground mounting Suitable for front mounting 4-hole 6 1 Number of auxiliary contacts as normally open contact 1 No No No Complete device in housing Yes Suitable for front mounting 4-hole No		6
Number of auxiliary contacts as normally open contact 1 Number of auxiliary contacts as change-over contact 0 Motor drive optional No Motor drive integrated No Voltage release optional Device construction Suitable for ground mounting 1 No Complete device in housing Yes	Number of auxiliary contacts as normally closed contact	
Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated No Voltage release optional Device construction Suitable for ground mounting O No Complete device in housing Yes		1
Motor drive optional Motor drive integrated No Voltage release optional Device construction Suitable for ground mounting No Complete device in housing Yes	Number of auxiliary contacts as normally open contact	1
Motor drive integrated Voltage release optional Device construction Suitable for ground mounting No Complete device in housing Yes	Number of auxiliary contacts as change-over contact	0
Voltage release optional Device construction Complete device in housing Suitable for ground mounting Yes	Motor drive optional	No
Device construction Complete device in housing Suitable for ground mounting Yes	Motor drive integrated	No
Suitable for ground mounting Yes	Voltage release optional	No
	Device construction	Complete device in housing
Suitable for front mounting 4-hole No	Suitable for ground mounting	Yes
	Suitable for front mounting 4-hole	No
Suitable for front mounting center No	Suitable for front mounting center	No
Suitable for distribution board installation No	Suitable for distribution board installation	No
Suitable for intermediate mounting No	Suitable for intermediate mounting	No
Colour control element Black	Colour control element	Black
Type of control element Door coupling rotary drive	Type of control element	Door coupling rotary drive
Interlockable Yes	Interlockable	Yes
Type of electrical connection of main circuit Screw connection	Type of electrical connection of main circuit	Screw connection
Degree of protection (IP), front side	Degree of protection (IP), front side	IP65

Dimensions



Additional product information (links)

IL03801009Z (AWA1150-1692) Cam switch: switch-disconnector

IL03801009Z (AWA1150-1692) Cam switch: switch-disconnector

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801009Z2016_07.pdf

Form for ordering you stondard front plates	http://good.mogllog.got/Spidition_LIDLENS.startages_4.07
Form for ordering non-standard front plates	http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87
Display flip catalog page.	http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=41
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
Switches for ATEX	http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html