### **DATASHEET - T0-1-102/I1/S**



ON-OFF switches, T0, 20 A, surface mounting, 2 pole, with black thumb grip and front plate, Key operated lock mechanism S-T0



Part no. T0-1-102/I1/S Catalog No. 207063

Delivery program			
Product range			Switch with locking mechanism
Part group reference			то
Basic function			ON-OFF switches
			with black thumb grip and front plate
Number of poles			2 pole
ocking arrangement			Key operated lock mechanism S-T0
Notes			Lockable with max. 3 padlocks.  If the locking slide is interlocked with lock in position 1 the switch can be switched off but not on again without removing the lock.
Locking facility			Lockable in the 0 (Off) position
Degree of Protection			IP53
			totally insulated
Design			surface mounting
Contact sequence			0 7 7 8 9 0 0 4 8 9 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Switching angle		o	90
Switching performance			maintained
Design number			102
Front plate no.			FS 908
front plate			0-1
Motor rating AC-23A, 50 - 60 Hz			
400 V	Р	kW	5.5
Rated uninterrupted current	Iu	Α	20
Note on rated uninterrupted current ! <sub>u</sub>	-		Rated uninterrupted current I <sub>u</sub> is specified for max. cross-section.
Number of contact units		contact	

#### 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		°C	-25 - +40
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Mechanical shock resistance		g	15
Mounting position			As required
Contacts			
Mechanical variables			
Number of poles			2 pole
Electrical characteristics			
Rated operational voltage	U <sub>e</sub>	V AC	690
Rated uninterrupted current	lu	Α	20
Note on rated uninterrupted current !u			Rated uninterrupted current $\mathbf{I}_{\mathbf{u}}$ is specified for max. cross-section.
Load rating with intermittent operation, class 12			
AB 25 % DF		x I <sub>e</sub>	2
AB 40 % DF		x I <sub>e</sub>	1.6
AB 60 % DF		x I <sub>e</sub>	1.3
Short-circuit rating			
Fuse		A gG/gL	20
Rated short-time withstand current (1 s current)	I <sub>cw</sub>	A <sub>rms</sub>	320
Note on rated short-time withstand current lcw			Current for a time of 1 second
Rated conditional short-circuit current	Iq	kA	6
Switching capacity			
cos φ rated making capacity as per IEC 60947-3		Α	130
Rated breaking capacity cos φ to IEC 60947-3		Α	
230 V		Α	100
400/415 V		Α	110
500 V		A	80
690 V		Α	60
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at I <sub>e</sub>		W	0.6
Current heat loss per auxiliary circuit at I <sub>e</sub> (AC-15/230 V)		CO	0.6
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.4
Maximum operating frequency	Operations/h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	3
230 V Star-delta	P	kW	5.5
400 V 415 V	P	kW	5.5
400 V Star-delta	P	kW	7.5
500 V	P P	kW	5.5
500 V Star-delta	P	kW	7.5
690 V 690 V Star-delta	P	kW	55
Rated operational current motor load switch	r	kW	5.5
230 V	I <sub>e</sub>	Α	11.5
230 V 230 V star-delta	l <sub>e</sub>	A	20
200 v Stat delta	.6	^	

Map   Varience of the second part of the second p	400V 415 V	1	Α	11.5
SIB V Varienchane				
S00 y san-infolia				
Mac		l <sub>e</sub>		
AC2NA  Ac4SY  Ac4SY  Motor ratios AC2NA 30-40142  AC9  AC9  AC9  AC9  AC9  AC9  AC9  AC		I <sub>e</sub>	Α	
Rule of operational current south	690 V star-delta	le	Α	8.5
Add				
Montroming AC 22A, 50 - 10 14 14				
Maint rating AC 23A, 51 -68 Hz	440 V	I <sub>e</sub>	Α	20
200				
March   Marc				
S00 V				
Figure   Part				
Rated operational current meter land switch   I				
200   1		Р	KVV	5.5
400 v 415 v			۸	12.2
BOB   Parameter				
DC-1_tood-break switchea L/R = 1 ms         Image: Contact of the contact pair in series         Image: Contact pair in serie				
DC-1, Loed-break switches L/R = 1 ms		le	А	7.6
Rated operational current         I <sub>e</sub> A         ICC Plan				
Voltage per contact pair in series         V         60           DC-21A         Ie         A           Rated operational current         Ie         A         1           Contacts         Contacts         V         20 usentry         1           DC-23A, motor load switch L/R = 15 ms         V         24 V         1           Contacts         V         0 usentry         1           Contacts         V         0 usentry         1           48 V         V         1         1           Rated operational current         Ie         A         10           Contacts         V         2         1           60 V         V         2         1           Rated operational current         Ie         A         10           Contacts         Outstrance         1         1         1           Contacts         Outstrance         1         0         1           Rated operational current         Ie         A         5           Contacts         Outstrance         1         0         0           Rated operational current         Ie         A         5           Rated operational current         Ie				
DC-21A		I <sub>e</sub>		
Rated operational current         Is         A         I           Contacts         Quantity         I           DC-22A, motor load switch L/R = 15 ms         V         V           24 V         V         V           Rott do operational current         Is         A         I0           Contacts         Quantity         I           Rott do operational current         Is         A         I0           Contacts         Quantity         2           60 V         V         V         V           Rated operational current         Is         A         I0           Contacts         Quantity         3         C           Rated operational current         Is         A         I         I           Contacts         Quantity         3         I				60
Contacts         Quantity         Quantity         1           DC-23A, motor load switch L/R = 15 ms         4         4         4           Rated operational current         Ie         A         10           Contacts         48 V         4         10           Rated operational current         Ie         A         10           Contacts         Quantity         2           60 V         4         10           Rated operational current         Ie         A         10           Contacts         Quantity         2           Contacts         Quantity         3           Rated operational current         Ie         A         5           Contacts         Quantity         3           Rated operational current         Ie         A         5           Rated operational current         Ie         A         5           Rated operational current         Ie         A         5           Contacts         Quantity         3           Contacts         Quantity         5           PC-13, Control switches L/R = 50 ms         Ye         2           Rated operational current         Ie         Ye         10     <				
DC-23A, motor load switch L/R = 15 ms         Is	Rated operational current	l <sub>e</sub>		
Altad operational current   International current			Quantity	1
Rated operational current   I				
Contacts				
A8 to doperational current   Ia		I <sub>e</sub>		
Rated operational current   Ia			Quantity	1
Contacts 60 V Rated operational current Rate				10
Rated operational current		I <sub>e</sub>		
Rated operational current Contacts  120 V  Rated operational current Contacts  120 V  Rated operational current Contacts  240 V  Rated operational current Contacts  DC-13, Control switches L/R = 50 ms Rated operational current Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fixible with ferrules to DIN 46228  Fixible with ferrules to DIN 46228  Terminal screw  I D Quantity  I D Quantity  I D Quantity I			Quantity	2
Contacts  Rated operational current  Contacts  Quantity  A 5  Quantity  A 6  Quantity  B 6  Quantity  A 7  Quantity  B 7  Quantity  A 9  Quantity  B 7  Quan			^	10
120 V Rated operational current Contacts Quantity Agree operational current Rated operational current Rated operational current Rated operational current Contacts Contacts Contacts DC-13, Control switches L/R = 50 ms Rated operational current Voltage per contact pair in series Voltage per contac	·	I <sub>e</sub>		
Rated operational current Contacts Quantity A 5 Quantity Rated operational current Rated operational current Rated operational current DC-13, Control switches L/R = 50 ms Rated operational current Voltage per contact pair in series Voltage per contact pair in series Rated operational current Voltage per contact pair in series Rated operational current Fault probability Rated operational current Fault probability Rated operational current Rated operational current Voltage per contact pair in series  Terminal capacities  Terminal capacities  Solid or stranded  mm² 1 x (1 - 2,5) 2 x (1 - 2,5) 2 x (1 - 2,5) 2 x (0.75 - 2.5) X (0.75			Quantity	3
Contacts  240 V  Rated operational current  Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Terminal capacities  Solid or stranded  Terminal capacities  Terminal screw  Terminal screw  Ma.5  Quantity  5  Quantity  6  Quantity  5  Quantity  5  Quantity  5  Quantity  5  Quantity  6  Quantity  5  Quantity  5  Quantity  6  Quantity  5  Quantity  6  Quantity  5  Quantity  5  Quantity  6  Quantity  7  Quantity  6  Quantity  7  Quantity  7			۸	E
Rated operational current  Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  Final screw  Terminal screw  M3.5		I <sub>e</sub>		
Rated operational current  Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  mm²  1x (1 - 2,5) 2x (1 - 2,5) 2x (0.75 - 2.5) 2x (0.75 - 2.5) Terminal screw  M3.5			quantity	3
Contacts  DC-13, Control switches L/R = 50 ms  Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  mm² 1 x (1 - 2,5) 2 x (0.75 - 2.5)  Terminal screw  M3.5		ı	Δ	5
Rated operational current  Voltage per contact pair in series  Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  Terminal capacities  Solid or stranded  mm²  1 × (1 - 2,5) 2 × (1 - 2,5) 2 × (1 - 2,5) 2 × (1 - 2,5) 2 × (0.75 - 2.5) 2 × (0.75 - 2.5)  Terminal screw  M3.5		·e		
Rated operational current  Voltage per contact pair in series  Vol			quantity	
Voltage per contact pair in series  Fault probability  HF		l <sub>o</sub>	Δ	10
Control circuit reliability at 24 V DC, 10 mA  Fault probability  Fault probability  HF  < 10 <sup>-5</sup> ,< 1 failure in 100,000 switching operations  Terminal capacities  Solid or stranded  mm²  1 x (1 - 2,5) 2 x (1 - 2,5) 2 x (1 - 2,5) 2 x (0.75 - 2.5) 2 x (0.75 - 2.5) 1 x (0.75 - 2.5) 2 x (0.75 - 2.5)  M3.5		·e		
Terminal capacities  Solid or stranded mm² 1 x (1 - 2,5) 2 x (1 - 2,5)  Flexible with ferrules to DIN 46228 mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5)  Terminal screw M3.5		Fault		
Solid or stranded         mm²         1 x (1 - 2,5) 2 x (1 - 2,5)           Flexible with ferrules to DIN 46228         mm²         1 x (0.75 - 2.5) 2 x (0.75 - 2.5)           Terminal screw         M3.5				< 10 ,< 1 failure in 100,000 switching operations
2 x (1 - 2,5)	Terminal capacities			
Flexible with ferrules to DIN 46228       mm²       1 x (0.75 - 2.5) 2 x (0.75 - 2.5)         Terminal screw       M3.5	Solid or stranded		mm <sup>2</sup>	1 x (1 - 2,5) 2 x (1 - 2,5)
2 x (0.75 - 2.5)  Terminal screw M3.5	Flexible with ferrules to DIN 46228		mm <sup>2</sup>	1 x (0.75 - 2.5)
				2 x (0.75 - 2.5)
Tightening torque for terminal screw Nm 1				
	Tightening torque for terminal screw		Nm	1

#### **Technical safety parameters:**

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Notes			B10 <sub>d</sub> values as per EN ISO 13849-1, table C1
Rating data for approved types			
Terminal capacity			
Terminal screw			M3.5
Tightening torque	II	b-in	8.83

### Design verification as per IEC/EN 61439

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	20
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.6
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	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			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**

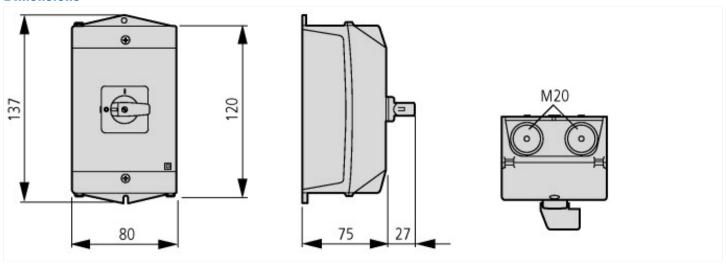
Low-voltage industrial components (EG000017) / Switch disconnector (EC000216)

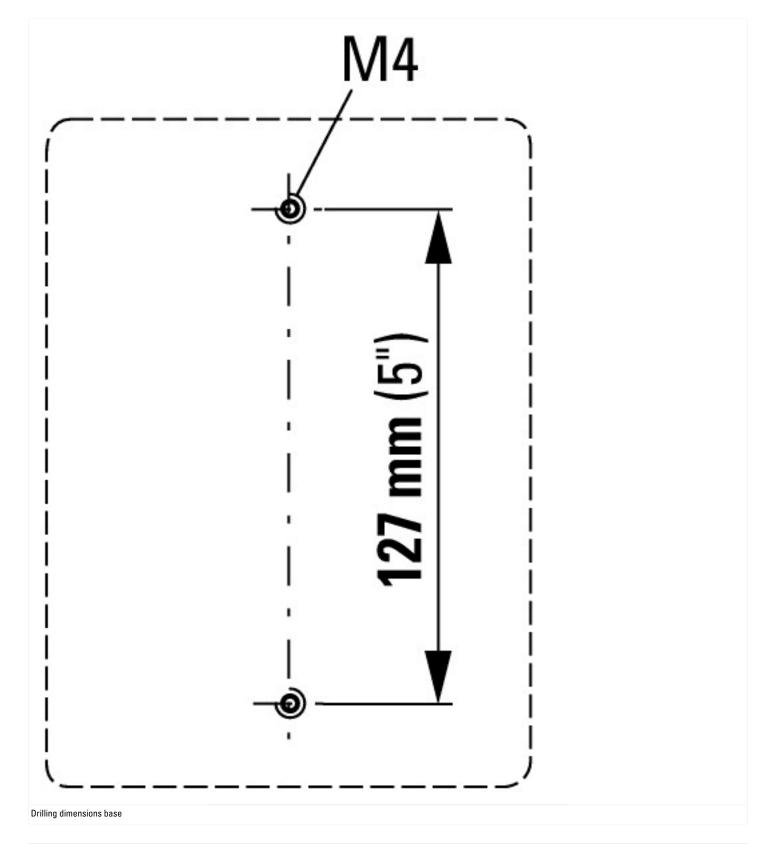
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

[AKF060013])		
Version as main switch		No
Version as maintenance-/service switch		No
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	/ 690
Rated operating voltage	V	690 - 690

Rated permanent current at AC-23, 400 V         A         13.3           Rated permanent current at AC-21, 400 V         W         5.5           Rated operation power at AC-3, 400 V         KA         0.32           Rated operation power at AC-23, 400 V         KA         0.5           Rated operation power at AC-23, 400 V         KA         5.5           Switching power at 400 V         KA         6           Conditioned rated short-circuit current Iq         KA         6           Number of poles         P         2           Number of auxiliary contacts as normally closed contact         P         0           Number of auxiliary contacts as change-over contact         P         0           Motor drive optional         P         No           Motor drive integrated         P         No           Voltage release optional         P         No           Device construction         P         Complete device in housing           Suitable for front mounting 4-hole         P         No           Suitable for front mounting centre         No         No           Suitable for first mounting centre         No         No           Suitable for first mounting centre         No         No           Suitable for intermediate				
Rated permanent current at AC-21, 400 V         A         20           Rated operation power at AC-3, 400 V         kW         5.5           Rated short-time withstand current low         kA         0.32           Rated operation power at AC-23, 400 V         kW         5.5           Switching power at 400 V         kW         5.5           Conditioned rated short-circuit current Iq         kA         6           Number of poles         kA         6           Number of auxiliary contacts as normally closed contact         kA         0           Number of auxiliary contacts as change-over contact         C         0           Motor drive optional         KA         No           Motor drive integrated         No         No           Voltage release optional         No         Complete device in housing           Suitable for ground mounting         Yes         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting active         No         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting active         No         No           Suitable for	Rated permanent current lu	А	4	20
Rated operation power at AC-3, 400 V         kW         5.5           Rated short-time withstand current lcw         kA         0.32           Rated operation power at AC-23, 400 V         kW         5.5           Switching power at 400 V         kW         5.5           Conditioned rated short-circuit current lq         kA         6           Number of poles         C         2           Number of auxiliary contacts as normally open contact         0         0           Number of auxiliary contacts as change-over contact         No         No           Motor drive integrated         No         No           Voltage release optional         No         No           Device construction         Complete device in housing           Suitable for ground mounting         Yes         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting centre         No         No           Suitable for front mounting centre         No         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting 4-hole         No         No           Suitable for intermediate mounting	Rated permanent current at AC-23, 400 V	А	4	13.3
Rated short-time withstand current lcw Rated operation power at AG-23, 400 V RW 5.5  Switching power at 400 V RODINGTION CONDITION CONTRICT CIVIT CURRENT LIGHT CONTRICT CONTRICT CIVIT CURRENT LIGHT CONTRICT CIVIT CURRENT LIGHT CONTRICT CONTRICT CONTRICT CONTRICT CONTRICT CURRENT LIGHT CONTRICT CONTRIC	Rated permanent current at AC-21, 400 V	А	4	20
Rated operation power at AC-23, 400 V  Switching power at 400 V  Conditioned rated short-circuit current Iq  Number of poles  Number of poles  Number of auxiliary contacts as normally closed contact  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  Device construction  Suitable for ground mounting  Suitable for front mounting 4-hole  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for intermediate mounting  Suitable for intermediate mounting  Colour control element  Type of control element  Type of control element  Type of electrical connection of main circuit  Degree of protection (IP), front side	Rated operation power at AC-3, 400 V	k\	:W	5.5
Switching power at 400 V         kW         5.5           Conditioned rated short-circuit current Iq         kA         6           Number of poles         E         2           Number of auxiliary contacts as normally closed contact         C         0           Number of auxiliary contacts as normally open contact         C         0           Motor drive optional         Motor drive optional         No         0           Motor drive integrated         No         Complete device in housing           Suitable for ground mounting         Yes         No           Suitable for front mounting 4-hole         No         No           Suitable for front mounting centre         No         No           Suitable for intermediate mounting         No         No           Colour control element         No         No           Type of control element         No         No           Type of control element         No         No           Type of electrical connection of main circuit         No         No           Type	Rated short-time withstand current lcw	k	£Α	0.32
Conditioned rated short-circuit current Iq         KA         6           Number of poles         2         2           Number of auxiliary contacts as normally closed contact         0         0           Number of auxiliary contacts as normally open contact         0         0           Mumber of auxiliary contacts as change-over contact         0         0           Motor drive optional         No         No           Motor drive integrated         No         Complete device in housing           Suitable for ground mounting         Yes         No           Suitable for front mounting 4-hole         No         No           Suitable for distribution board installation         No         No           Suitable for intermediate mounting         No         No           Colour control element         No         No           Type of control element         No         Key           Interlockable         No         Key           Type of electrical connection of main circuit         No         Sorew connection           Degree of protection (IP), front side         Fe5         Fe6	Rated operation power at AC-23, 400 V	k\	:W	5.5
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  Number of auxiliary contacts as change-over contact  No  Motor drive optional  Motor drive integrated  No  Voltage release optional  Device construction  Suitable for ground mounting  Suitable for front mounting 4-hole  Suitable for front mounting 4-hole  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Type of control element  Type of electrical connection of main circuit  Degree of protection (IP), front side  No  Screw connection  Degree of protection (IP), front side	Switching power at 400 V	k\	:W	5.5
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  Number of auxiliary contacts as change-over contact  No  Motor drive optional  No  No  Voltage release optional  No  Ocmplete device in housing  Ves  Suitable for ground mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  No  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  Type of electrical connection of main circuit  Degree of protection (IP), front side  Degree of protection (IP), front side	Conditioned rated short-circuit current Iq	k	:A	6
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 int	Number of poles			2
Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive integrated  No  No  Voltage release optional  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  No  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Type of electrical connection of main circuit  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 No Voltage release optional Device construction Complete device in housing Suitable for ground mounting Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for firont mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting Colour control element Type of control element No Type of electrical connection of main circuit Degree of protection (IP), front side	Number of auxiliary contacts as normally open contact			0
Motor drive integratedNoVoltage release optionalNoDevice constructionComplete device in housingSuitable for ground mountingYesSuitable for front mounting 4-holeNoSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingNoColour control elementOtherType of control elementKeyInterlockableNoType of electrical connection of main circuitScrew connectionDegree of protection (IP), front sideIP65	Number of auxiliary contacts as change-over contact			0
Voltage release optional       No         Device construction       Complete device in housing         Suitable for ground mounting       Yes         Suitable for front mounting 4-hole       No         Suitable for front mounting centre       No         Suitable for distribution board installation       No         Suitable for intermediate mounting       No         Colour control element       Other         Type of control element       Key         Interlockable       No         Type of electrical connection of main circuit       Screw connection         Degree of protection (IP), front side       IP65	Motor drive optional			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 distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Type of lectrical connection of main circuit  Degree of protection (IP), front side  Complete device in housing  Complete device in housing  Complete device in housing  Complete device in housing  Yes  No  No  No  Colour control element  No  Suitable for intermediate mounting  No  Strew connection  IP65	Motor drive integrated			No
Suitable for ground mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Suitable for intermediate mounting Colour control element Type of control element Suitable Suitable Suitable Suitable for intermediate mounting Suitable for distribution board installation Suitable for intermediate mounting Suitable for distribution board installation Suitable for front mounting 4-hole No Suitable for distribution board installation No Suitable for distribution board inst	Voltage release optional			No
Suitable for front mounting 4-hole Suitable for front mounting centre 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	Device construction			Complete device in housing
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  Screw connection  Possible  No  Possible  Possible  Possible  No  Possible  Possib	Suitable for ground mounting			Yes
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  Screw connection  IP65	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  No  No  No  Interlockable  IP65	Suitable for front mounting centre			No
Colour control element  Type of control element  Key  Interlockable  No  Type of electrical connection of main circuit  Degree of protection (IP), front side  Other  Key  No  Poesses Screw connection  IP65	Suitable for distribution board installation			No
Type of control element  Interlockable  No  Type of electrical connection of main circuit  Degree of protection (IP), front side  Key  No  Screw connection  IP65	Suitable for intermediate mounting			No
Interlockable No Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side IP65	Colour control element			Other
Type of electrical connection of main circuit  Degree of protection (IP), front side  Screw connection  IP65	Type of control element			Key
Degree of protection (IP), front side	Interlockable			No
	Type of electrical connection of main circuit			Screw connection
Degree of protection (NEMA) Other	Degree of protection (IP), front side			IP65
	Degree of protection (NEMA)			Other

## **Dimensions**





# **Additional product information (links)**

II 020010077 (AWA1150, 1697) Com cwitch: Surf	H 020040077 (AWA44E0 4007) Com quitab Curtae magnetine analyses		
IL03801007Z (AWA1150-1687) Cam switch: Surface mounting enclosure			
IL03801007Z (AWA1150-1687) Cam switch: Surface mounting enclosure	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801007Z2018_05.pdf		
Display flip catalog page.	http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=40		
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		

Ordering form for SOND switches and SOND front plates(DE\_EN)

Ordering form for SOND switches and SOND front plates(DE\_EN)

front plates(DE\_EN)

ftp://ftp.moeller.net/DOCUMENTATION/PDF/MZ008005ZU\_Orderform\_Customized\_Switch.pdf

ftp://ftp.moeller.net/DOCUMENTATION/PDF/MZ008006ZU\_Orderform\_Customized\_Switch.pdf

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