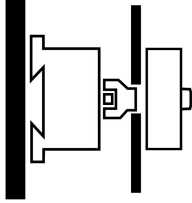
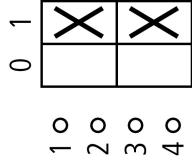




Main switch, 2p, Ie=63A, handle red yellow, 0-1, 90°, rear mounting

Part no. T5B-1-102/V/SVB
Article no. 094463
Catalog No. CT41-102-PMCRQ

Delivery programme

Product range				Main switch maintenance switch Repair switch
Part group reference				T5B
Emergency STOP				As an emergency switching off function With red rotary handle and yellow locking ring
Main circuits Poles				2
Locking facility				Lockable in the 0 (Off) position
Degree of Protection				Front IP65
Design				main switches rear mounting
				
Contact sequence				
Motor rating AC-23A, 50 - 60 Hz				
400 V	P		kW	22
Rated uninterrupted current	I _u		A	63

Approvals

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
CSA File No.	12528
CSA Class No.	3211-05
North America Certification	UL listed, CSA certified
Specially designed for North America	Yes, in combination with "+NA" (105864)
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 1, 3R, 12, 13

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		°C	
Open		°C	-25 - +50
Enclosed		°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			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof

Contacts

Mechanical variables			
Main circuits Poles			2
Electrical characteristics			
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current	I_u	A	63
Note on rated uninterrupted current I_u			Rated uninterrupted current I_u is specified for max. cross-section.
Load rating with intermittent operation, class 12			
AB 25 % DF		$\times I_e$	2
AB 40 % DF		$\times I_e$	1.6
AB 60 % DF		$\times I_e$	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 I_{cw}			Current for a time of 1 second

Switching capacity

cos φ rated making capacity as per IEC 60947-3		A	800
Rated breaking capacity cos φ to IEC 60947-3		A	
230 V		A	520
400/415 V		A	600
500 V		A	480
690 V		A	340
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at I_e		W	4.5
Current heat loss per auxiliary circuit at I_e (AC-15/230 V)		CO	4.5
Lifespan, mechanical	Operations	$\times 10^6$	> 0.5
Maximum operating frequency	Operations/h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	15
230 V Star-delta	P	kW	22
400 V 415 V	P	kW	22
400 V Star-delta	P	kW	37
500 V	P	kW	22
500 V Star-delta	P	kW	37
690 V	P	kW	22
690 V Star-delta	P	kW	37
Rated operational current motor load switch			
230 V	I_e	A	51
230 V star-delta	I_e	A	51

400V 415 V	I _e	A	41
400 V star-delta	I _e	A	41
500 V	I _e	A	33
500 V star-delta	I _e	A	33
690 V	I _e	A	17
690 V star-delta	I _e	A	17
AC-15			
Rated operational current control switch			
230 V	I _e	A	16
400 V 415 V	I _e	A	6
500 V	I _e	A	4
AC-21A			
Rated operational current switch			
440 V	I _e	A	63
AC-23A			
Motor rating AC-23A, 50 - 60 Hz			
230 V	P	kW	15
400 V 415 V	P	kW	22
500 V	P	kW	22
690 V	P	kW	22
Rated operational current motor load switch			
230 V	I _e	A	63
DC			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current			
	I _e	A	63
Voltage per contact pair in series			
		V	60
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current			
	I _e	A	50
Contacts			
		Quantity	1
48 V			
Rated operational current			
	I _e	A	50
Contacts			
		Quantity	2
60 V			
Rated operational current			
	I _e	A	50
Contacts			
		Quantity	3
120 V			
Rated operational current			
	I _e	A	25
Contacts			
		Quantity	3
240 V			
Rated operational current			
	I _e	A	20
Contacts			
		Quantity	6
DC-13, Control switches L/R = 50 ms			
Rated operational current			
	I _e	A	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:

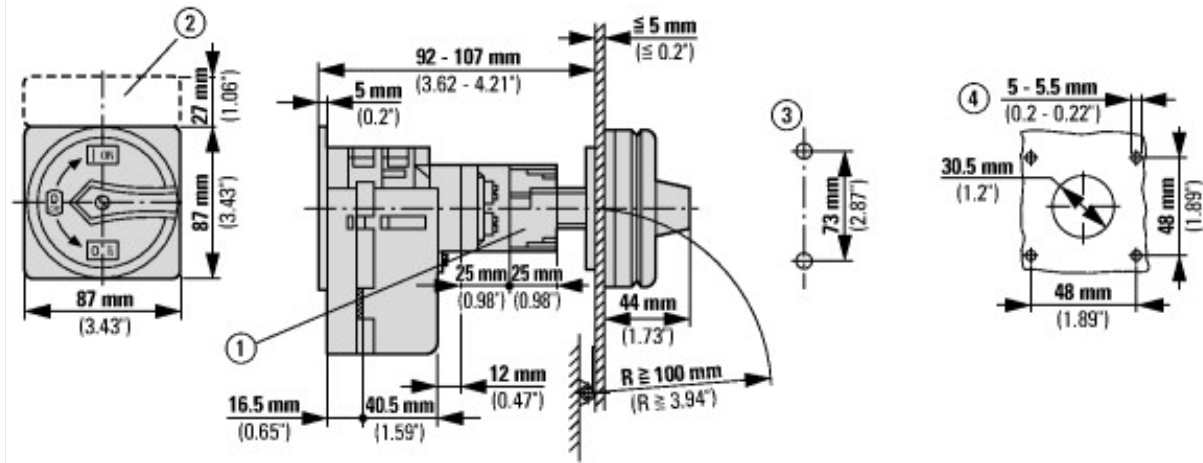
Technical data ETIM 5.0

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

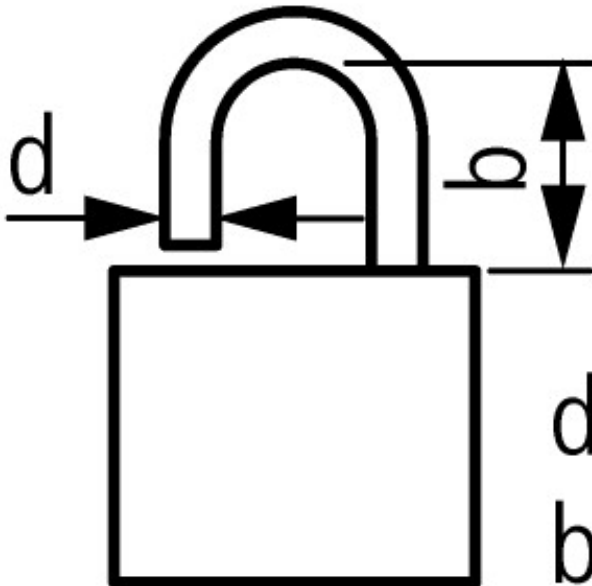
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecl@ss8-27-37-14-03 [AKF060009])


Version as switch disconnecter compact		No
Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		Yes
Max. rated operation voltage U _e AC	V	690
Rated permanent current I _u	A	63
Rated operation power AC-3, 400 V	kW	22
Rated operation power at AC-23, 400 V	kW	22
Conditioned rated short-circuit current I _q	kA	0
Number of poles		2
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
Motor drive optional		No
Motor drive integrated		No
Voltage release optional		No
Device construction		Built-in device fixed built-in technique
Suitable for ground mounting		Yes
Suitable for front mounting		No
Suitable for front mounting center		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		Yes
Type of control element		Door coupling rotary drive
Interlockable		Yes
Connection type main current circuit		Screw connection
Degree of protection (IP), front side		IP65

Dimensions



- ① Shaft and interlock extension with ZAV-P3 + ZVV-P3 possible; max. $4 \times 25 = 100$ mm
 - ② ZFS... Label mount not included as standard
 - ③ Drilling dimensions base
 - ④ Drilling dimensions door
- Cam switches T5B and T5 have the exact same design; the only difference between them is



 3 padlocks

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/IL03801009Z2011_06.pdf
IL03801009Z (AWA1150-1692) Cam switch: switch-disconnector	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801009Z2014_08.pdf
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=130
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
UL/CSA: Rating data for approved types	http://ecat.moeller.net/flip-cat/?edition=HPLTF&startpage=4.98