

Change over switch, 2-way switchServ.distr.board mount.



Part no. T0-3-8222/IVS Article no. 060205

Catalog No.

CT03-8222-SDKBQ



Delivery programme			
Product range			Switch-disconnectors
Basic function			Changeoverswitches
Part group reference			ТО
Design			Distribution board - assembly
Protection type			Front IP30
Emergency stop			without emergency switching off/emergency stop function
			Without 0 (Off) position with black thumb grip and front plate
Contact sequence			- X X X X
Front plate no.			FS 943
Main conducting paths			
No. of poles		M	3
Max. motor rating			
AC-23A			
400/415 V 50-60 Hz	Р	kW	6.5
Rated uninterrupted current	Iu	Α	20

Approvals

Product Standards UL File No.

UL Category Control No. CSA File No. CSA Class No.

North America Certification

Specially designed for North America

Suitable for

Degree of Protection

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking

E36332 NLRV 12528 3211-05

UL listed, CSA certified

Yes, in combination with "+NA" (105864)

Branch circuits

IEC: IP30; UL/CSA Type: -

General

General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnectors to IEC/EN 60947-3 Load-break switches to IEC/EN 60947-3
Lifespan, mechanical	Operations	x 10 ⁶	0.4
Maximum operating frequency		Operation h	on\$000

Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	- 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	U _e	٧	690
Rated impulse withstand voltage	U _{imp}	AC V AC	6000
Overvoltage category/pollution degree		710	111/3
Rated uninterrupted current	Iu	Α	,0
·			00
open	l _u	A	20
Enclosed	l _u	Α	20
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		Α	20
1 430		gG/ gL	20
Rated short-time withstand current (1 s current)	I _{cw}	A _{rms}	320
Safe isolation to EN 61140	'CW	rms	020
		V	440
between the contacts		V AC	440
Switching angles		0	90 60 45 30
Contact units			11
Double-break contacts			max. 22
Current heat loss per contact at I _e		W	0.6
Terminal capacities			
Solid or stranded		mm ²	1 x (1 - 2.5) 2 x (1 - 2.5)
Flexible with ferrules to DIN 46228		mm^2	
Flexible with ferrule		mm ²	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Terminal screw			M3.5
Tightening torque		Nm	1
Switching capacity			
AC		x U _s	
Rated making capacity $\cos \phi = 0.35$		Α	130
Rated breaking capacity, motor load switch cos $\phi = 0.35$		Α	
230 V		Α	100
400 V		Α	110
500 V		Α	80
690 V		Α	60
Rated operational current 440 V load-break switch AC-21A	l _e	Α	20
Rating, AC-3 motor load switch	Р	kW	
220 V 230 V	Р	kW	3
230 V Star-delta		kW	4
200 V Otal delta	Р	KVV	7
380 V 400 V	P	kW	4

	_		
500 V Star-delta	P	kW	7.5
660 V 690 V	Р	kW	4
690 V Star-delta	Р	kW	5.5
AC-23A Motor load switches (main switches maintenance switches)	Р	kW	
230 V	Р	kW	3.5
400 V	Р	kW	6.5
500 V	Р	kW	7.5
Rated operational current control switch AC-15			
220 V 230 V 240 V	l _e	Α	6
380 V 400 V 415 V	l _e	Α	4
500 V	l _e	Α	2
DC		xU_s	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	le	Α	10
Voltage per contact pair in series		V	60
DC-21A	l _e	Α	
Rated operational current 240 V	l _e	Α	1
240 V Contacts		Quantity	1
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	l _e	Α	10
Contacts		Quantity	1
48 V			
Rated operational current	l _e	Α	10
Contacts		Quantity	2
60 V			
Rated operational current	l _e	Α	10
Contacts		Quantity	3
120 V			
Rated operational current	I _e	Α	5
Contacts		Quantity	
240 V			
Rated operational current	I _e	Α	5
Contacts	-	Quantity	
DC-13, Control switches L/R = 50 ms			
Rated operational current	I _e	Α	10
Voltage per contact pair in series	J	V	32
Control circuit reliability at 24 V DC, 10 mA	Fault	H _F	< 10 ⁻⁵ , < 1 fault in 100000 operations
, ,	probability	•	Cio , Ci iauli ili 100000 operations

Notes

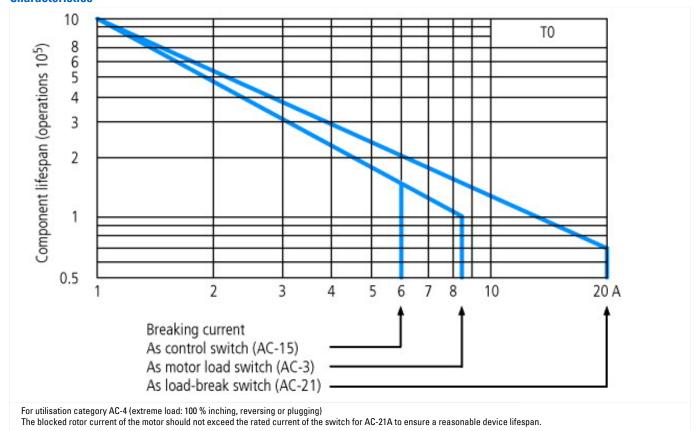
Notes The following applies for solid, multiwire, and flexible terminal capacities: If 2 conductors are being used, a max. difference of 2 cross-section categories is permissible

Technical data ETIM 4.0

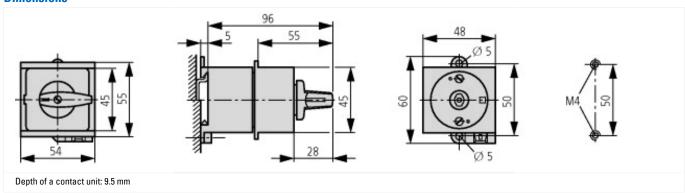
Model		Reverser
Number of poles		3
With 0 (off) position		No
Rated permanent current lu	Α	20
Rated operation power at AC-3, 400 V	kW	4
Degree of protection (IP), front side		IP30
Number of auxiliary contacts as normally closed contact		0
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as change-over contact		0
Suitable for ground mounting		Yes
Suitable for front mounting 4-hole		No

Suitable for distribution board installation	Yes
Suitable for intermediate mounting	No
Complete device in housing	No
Type of control element	Toggle
Connection type main current circuit	Screw connection

Characteristics



Dimensions



Additional product information (links)

http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87

http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=43