

UM-C

Motorized unit kit for base mounting changeover switches 3P - 3P+N

S5000F Size 0 standard (125A... 200A)

CCF Sizes 1-2 standard (200A... 800A)

S5000B Size 0 by-pass standard (125A... 200A)

S5000B Size 1 by-pass ready to motorize (250A... 400A)



		CODE - 3P ^{*(1)}	CODE - 3P+N ^{*(1)}	CODE - 230 Vac/dc ^{*(1)}
Size 0 S5F	125A	S5F01253PS0	S5F01253NS0	UM UM-C0A230Z
	160A	S5F01603PS0	S5F01603NS0	
	200A	S5F02003PS0	S5F02003NS0	
Size 1 CCF	200A	CCF02003PS0	CCF02003NS0	UM UM-C1A230Z
	250A	CCF02503PS0	CCF02503NS0	
	315A	CCF03153PS0	CCF03153NS0	
Size 2 CCF	400A	CCF04003PS0	CCF04003NS0	UM UM-C2A230Z
	500A	CCF05003PS0	CCF05003NS0	
	630A	CCF06303PS0	CCF06303NS0	
Size 0 S5B	800A	CCF08003PS0	CCF08003NS0	UM UM-C0A230Z
	125A	S5B01253PS0	S5B01253NS0	
	160A	S5B01603PS0	S5B01603NS0	
Size 1 S5B	200A	S5B02003PS0	S5B02003NS0	UM UM-C1A230Z
	250A	S5B02503PRC	S5B02503NRC	
	315A	S5B03153PRC	S5B03153NRC	
	400A	S5B04003PCC	S5B04003NCC	

UM + S5F & UM + S5B normal mounting

UM + CCF normal mounting

* Auxiliary manual handle supplied with the UM

Technical information



According to IEC 60947-3



		UM for sizes 0-1	UM for size 2
Operational torque	Nm	20	30
Voltage supply	V	230 Vac/dc	230 Vac/dc
Operating voltage range ^{*(2)}	ΔV	0,85*V to 1,15*V	0,85*V to 1,10*V
Operating voltage range according to IEC 60947-6	ΔV	0,95*V to 1,10*V	0,95*V to 1,10*V
Cable section of voltage supply	mm ²	1,5 - 2,5	1,5 - 2,5
Cable section area Input Signals	mm ²	0,5 - 1,5	0,5 - 1,5
Cable section area Auto-Lock mode Outputs	mm ²	0,5 - 1,5	0,5 - 1,5
Inrush Current	A	1,1	1,1
Use current (I _{rms})	mA	45	45
Use current (I _{max})	mA	137	137
Protective Fuse Reference F1AL250 V (Littelfuse)	A	1	1
Operating angle		-70° / 0° / +70° (I - 0 - II)	-70° / 0° / +70° (I - 0 - II)
Number of UM operations	Cycles	8000	5000
Operation rate (0 - I - II - 0)	Cycles/hour	120	60
Working temperature range		-25°C ... +55°C	-25°C ... +55°C
Transportation and storage temperature		-40°C ... +70°C	-40°C ... +70°C
UM weight	Kg	1,8	1,8

^{*(1)} UM Kit code is related to the code of switch from its section depending on size and it is for normal mounting.

For different type of mounting or different code of switch or UM Kit please consult.

^{*(2)} Based in our own tests.

There are changeover switch versions without 0 - OFF position:

S5F (I - II) = S5D_ _ _ _ _

CCF "overlapped" (I - I-II - II) = CCS_ _ _ _ _

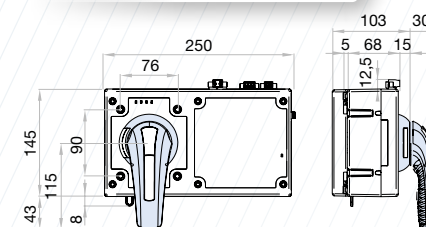
CCP "overlapped" (I - I-II - II) = CCT_ _ _ _ _

S5B "overlapped" (I - I + II - II) = S5S_ _ _ _ _ Consult.

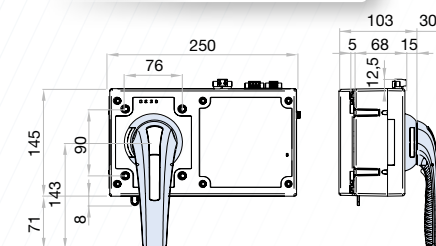
Pos.	Direction	Pos.	Operating time ^{*(2)}
0	→	I	750 ms
I	→	0	750 ms
0	→	II	750 ms
II	→	0	750 ms
I	→	II	1,5 sec
II	→	I	1,5 sec

Dimensions (mm)

UM for sizes 0 - 1



UM for size 2



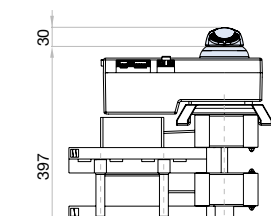
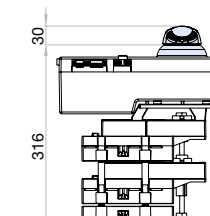
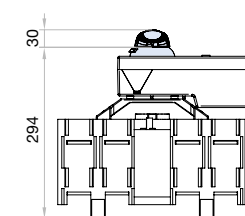
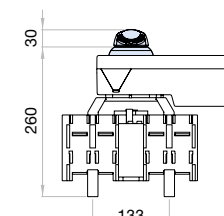
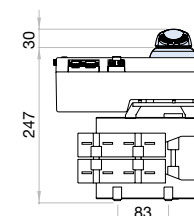
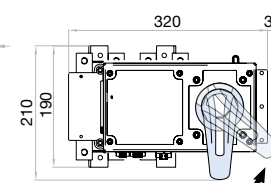
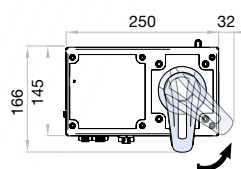
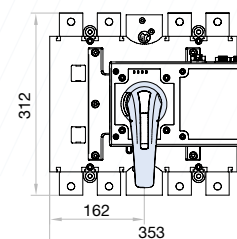
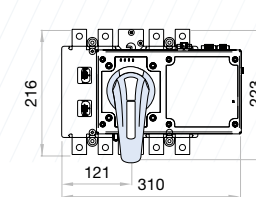
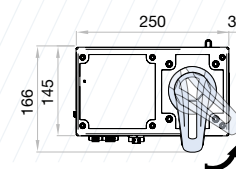
S5F size 0 + UM

CCF size 1 + UM

CCF size 2 + UM

S5B size 0 + UM

S5B size 1 + UM



EMC table (Electromagnetic compatibility)

Immunity					
Test	Standard	According to standard UNE/EN 61000	According to standard IEC 60947-6	Results achieved	Values achieved in tests
Electrostatic discharges	EN 61000-4-2	Special, B	Special, A	Special, A	±8KV air discharge ±4KV equipment discharge
Electromagnetic H.F. field	EN 61000-4-3	Level 3, A	Level 3, A	Level 3, A	10V/m. from 80MHz to 1 GHz
Fast transients (Burst)	EN 61000-4-4	Level 3, B	Level 3, A	Level 4, A	±4KV power supply, freq. Rep. 2,5kHz ±2KV signal supply, freq. Rep 5kHz
Fast transient (surge discharge)	EN 61000-4-5	Level 3, B	Level 3, A	Special, A	±4KV power supply L1-L2 Generator impedance 2Ω (wave 1,2/50 ms)
Conducted disturbances	EN 61000-4-6	Level 3, A	Level 3, A	Level 3, A	10V supply and signal
Electromagnetic field, industrial frequency	EN 61000-4-8	Level 4, A	-	Level 4, A	Field intensity 30A/m
Voltage dips, interruptions and voltage variations	EN 61000-4-11	Criterion B	-	Criterion A	30% Un - 1000 ms
		Criterion C	-	Criterion A	60% Un - 1000 ms
		Criterion C	-	Criterion B	95% Un - 5000 ms

Emission					
Test	Standard	According to standard UNE/EN 61000	According to standard IEC 60947-6	Results achieved	Values achieved in tests
Emission of harmonic current	EN 61000-3-2	Level 3	Level 3	Level 3	0,02A total current (manual mode)
Unwanted voltage	EN 55011	Level 3	Level 3	Level 3	0,04A total current (automatic mode)
Radiated emission	EN 55011	Level 3	Level 3	Level 3	Qualified

NOTE: The installation of this device in a domestic environment can cause radiofrequency interference

EN 61000 is equivalent to IEC 61000 - EN 55011 is equivalent to CISPR11

CRITERION A: Normal service behaviour in determined limits

CRITERION B: Transient alteration of the service. The appliance gets back to the normal performing without the intervention of the operator

Test level 3: Typical industrial environment, without special installation measures

Test level 4: Severe industrial environment

Special level: Level of higher electromagnetic severe environment