

UM-S

Motorized unit kit for base mounting switches 2P - 3P - 3P+N | 6P - 8P

S5000 Sizes 1-2 ready to motorize (250A... 800A)

S6000 Sizes 1-2 ready to motorize (200A... 800A)

S6000N Size 1 ready to motorize (125A... 400A)



		CODE - 2P ^{*(1)}	CODE - 3P ^{*(1)}	CODE - 3P+N ^{*(1)}	CODE - 230 Vac ^{*(1)}
Size 1 S5	250A	-	S5-02503PRC	S5-02503NRC	UM
	315A	-	S5-03153PRC	S5-03153NRC	
	400A	-	S5-04003PCC	S5-04003NCC	
	500A	-	S5-05003PRC	S5-05003NRC	
Size 2 S5	630A	-	S5-06303PRC	S5-06303NRC	UM
	800A	-	S5-08003PCC	S5-08003NCC	
Size 1 S6	200A	S6-02002PSC	S6-02003PSC	S6-02003NSC	UM
	250A	S6-02502PSC	S6-02503PSC	S6-02503NSC	
	315A	S6-03152PSC	S6-03153PSC	S6-03153NSC	
	400A	S6-04002PDC	S6-04003PDC	S6-04003NDC	
Size 2 S6	500A	S6-05002PSC	S6-05003PSC	S6-05003NSC	UM
	630A	S6-06302PSC	S6-06303PSC	S6-06303NSC	
	800A	S6-08002PDC	S6-08003PDC	S6-08003NDC	UM
Size 1 S6N	125A	-	S6N01256PSC	S6N01258PSC	UM
	160A	-	S6N01606PSC	S6N01608PSC	
	200A	-	S6N02006PSC	S6N02008PSC	
	250A	-	S6N02506PSC	S6N02508PSC	
	315A	-	S6N03156PSC	S6N03158PSC	
	400A	-	S6N04006PDC	S6N04008PDC	

UM + S5/S6/S6N normal mounting

* Auxiliary manual handle supplied with the UM

Technical information



According to IEC 60947-3

		UM for S5/S6 size 1	UM for S5/S6 size 2	UM for S6N size 1
Operational torque	Nm	20	30	30
Voltage supply	V	230 Vac ^{*(1)}	230 Vac ^{*(1)}	230 Vac ^{*(1)}
Operating voltage range ^{*(2)}	ΔV	0,85*V a 1,15*V	0,85*V a 1,10*V	0,85*V a 1,10*V
Operating voltage range according to IEC 60947-6	ΔV	0,95*V a 1,10*V	0,95*V a 1,10*V	0,95*V a 1,10*V
Cable section of voltage supply	mm ²	1,5 - 2,5	1,5 - 2,5	1,5 - 2,5
Cable section area Input Signals	mm ²	0,5 - 1,5	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	0,5 - 1,5
Inrush Current	A	1,1	1,5	1,5
Use current (I _{rms})	mA	45	45	45
Use current (I _{max})	mA	137	137	137
Protective Fuse Reference F1AL250 V (Littelfuse)	A	1	1	1
Operating angle		0-90° (0 - I)	0-90° (0 - I)	0-90° (0 - I)
Number of UM operations	Cycles	8000	5000	8000
Operation rate (0 - I)	Cycles/hour	120	60/120	120
Working temperature range		-25°C ... +55°C	-25°C ... +55°C	-25°C ... +55°C
Transportation and storage temperature		-40°C ... +70°C	-40°C ... +70°C	-40°C ... +70°C
UM weight	Kg	1,8	1,8	1,8

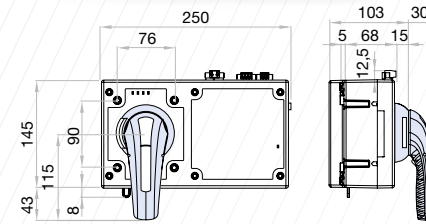
^{*(1)} UM Kit code is related to the code of switch from its section depending on size and it is for normal mounting. For DC values, consult please.
For different type of mounting or different code of switch or UM kit please consult.

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

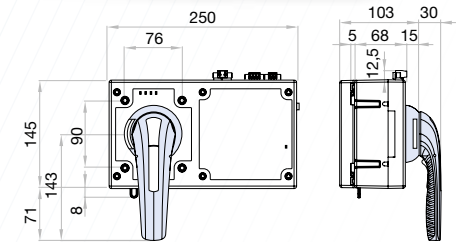
Pos.	Direction	Pos.	Operating time ^{*(2)}
0	→	I	750 ms
I	→	0	750 ms

Dimensions (mm)

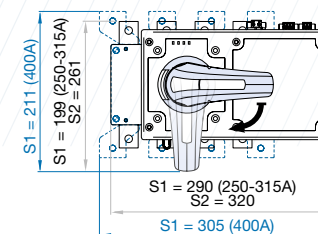
UM for size 1



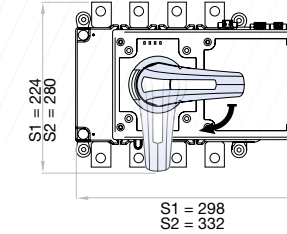
UM for size 2



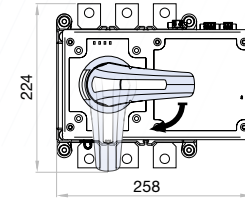
S5000 size 1-2 + UM



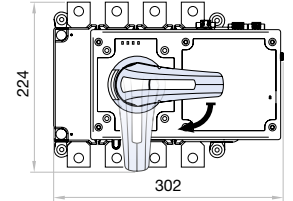
S6000 size 1-2 + UM



S6000N 6P size 1 + UM



S6000N 8P 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