

Kit motorized unit for switch or changeover switch

Motorized units to automate the drive system of the switch-disconnectors, changeover switches and by-pass changeover switches, with a high level of reliability, safety and ease of operation even in extreme situations.

series
UM

According to:
IEC 60947-1 & 3
RoHS



Testing and approvals:

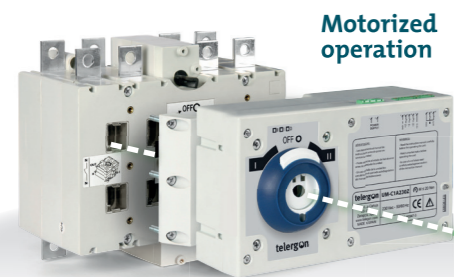


The motorized unit kits are manufactured with high safety self-extinguishing materials, providing an excellent level of electrical insulation, low smoke emission and high resistance to electromechanical stress.

They comply with environmental requirements and undergo strict quality controls for a reliable product that meets the most demanding requirements.

They consist of a body housing the motor, gears, electronics to command and control. They are equipped with a selector for automatic-manual-lock operating modes.

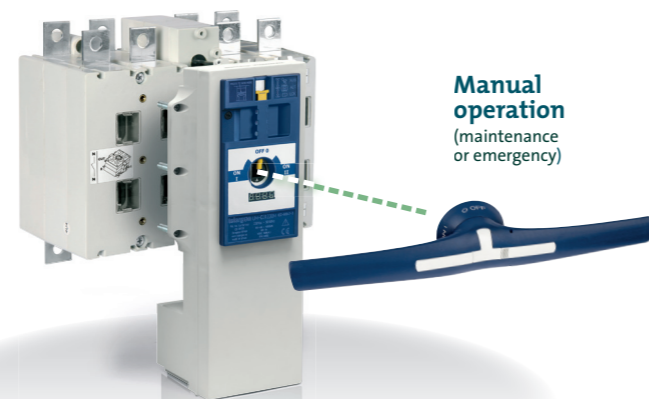
The kit concept simplifies both logistics and maintenance, for easy and simple assembly on the changeover switch or switch - disconnector as required.



Motorized operation



Manual operation (maintenance or emergency)



Motorized operation

Manual operation (maintenance or emergency)

> IEC60947-1 & 3. Low voltage devices. General part and switch - disconnectors.

> According to European Standard 2014/35/UE.
> According to European standard 2014/30/UE of EMC.

series
UM-S



1 2 3 4 5 6
UM-S

Supply voltage
230 Vac ^{*(1)}

For switch - disconnectors:

S5 Sizes 1-2 | 3P - 3P+N ready to motorize (250A... 800A)
S6 Sizes 1-2 | 2P - 3P - 3P+N ready to motorize (200A... 800A)
S6N Size 1 | 6P - 8P ready to motorize (125A... 400A)

^{*(1)} For DC values, consult please

series
UM-S



1 2 3 4 5 6
UM-S

Supply voltage
120 - 230 Vac ^{*(1)}
with MODBUS ^{MB}

For switch - disconnectors:

S5 Sizes 3-4 | 3P - 3P+N ready to motorize (800A... 2000A)
S5N Size 5 | 3P - 3P+N ready to motorize (2000A... 3150A)
S6N Size 2 | 6P - 8P ready to motorize (500A... 630A)
S5M Size 3 | 6P - 8P ready to motorize (800A... 1000A)
S5N Size 4 | 6P - 8P ready to motorize (1250A... 2000A)

^{*(1)} For DC values, consult please

series
UM-C



1 2 3 4 5 6
UM-C

Supply voltage
230 Vac ^{*(1)}

For changeover switches:

S5F Size 0 | 3P - 3P+N standard (125A... 200A)
CCF Sizes 1-2 | 3P - 3P + N standard (200A... 800A)
S5B Size 0 | 3P - 3P + N standard (125A... 200A)
S5B Size 1 | 3P - 3P + N ready to motorize (250A... 400A)

^{*(1)} For DC values, consult please

series
UM-C



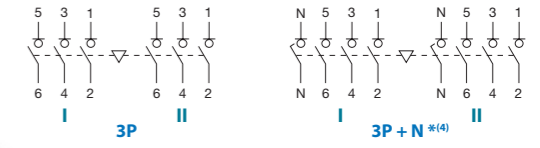
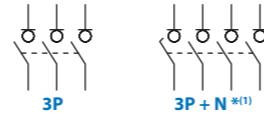
1 2 3 4 5 6
UM-C

Supply voltage
120 - 230 Vac ^{*(1)}
with MODBUS ^{MB}

For changeover switches:

CCF Sizes 2-3 | 3P - 3P+N standard (500A... 1250A)
S5F Sizes 4-5 | 3P - 3P+N standard (1600A... 3150A)
S5B Sizes 2-3 | 3P - 3P+N ready to motorize (500A... 1000A)
S5B Size 4 | 3P - 3P+N standard (1250A... 2000A)

^{*(1)} For DC values, consult please



S5 SSN S5 switches 3 & 4 poles (O-I) ready to motorize

Amp.	Size	Connection	3 pole (3P)		4 pole (3P + N) ^{*(1)}		Motorized unit kit (O - I) ^{*(2)}	
			Code	Code	Code	Code	120Vac ^{*(3)}	230Vac ^{*(3)}
250	1	I	S5-02503PRC	S5-02503NRC	-	UM-S1A230Z	196	
315			S5-03153PRC	S5-03153NRC	-	UM-S1A230Z	196	
400			S5-04003PCC	S5-04003NCC	-	UM-S1A230Z	196	
500			S5-05003PRC	S5-05003NRC	-	UM-S1A230Z	196	
630	2	I	S5-06303PRC	S5-06303NRC	-	UM-S2A230Z	196	
800			S5-08003PCC	S5-08003NCC	-	UM-S2A230Z	196	
1000			S5-10003PRC	S5-10003NRC	MB UM-S31120M	MB UM-S31230M	198	
1250			S5-12503PCC	S5-12503NCC	MB UM-S31120M	MB UM-S31230M	198	
1000	4	I	S5-10003PSC	S5-10003NSC	-	UM-S41120M	198	
1250			S5-12503PSC	S5-12503NSC	-	UM-S41120M	198	
1600			S5-16003PSC	S5-16003NSC	-	UM-S41120M	198	
1800			S5-18003PSC	S5-18003NSC	-	UM-S41120M	198	
2000			S5-20003PDC	S5-20003NDC	-	UM-S41120M	198	
2000			S5N20003PPC	S5N20003NPC	-	UM-S41120M	198	
2500			S5N25003PPC	S5N25003NPC	-	UM-S41120M	198	
3150			S5N31503PPC	S5N31503NPC	-	UM-S41120M	198	

UM + S5 sizes 1 - 2 normal mounting
 UM + S5 size 3 normal mounting
 UM + S5 size 4 normal mounting
 UM + SSN size 5 normal mounting

S6 S6 switches 2, 3 & 4 poles (O-I) ready to motorize

Amp.	Size	Connection	Bipolar (2P)	3 pole (3P)	4 pole (3P + N) ^{*(1)}	Motorized unit kit (O - I) ^{*(2)}	
			Code	Code	Code	Code	Code
200	1	I	S6-02002PSC	S6-02003PSC	S6-02003NSC	UM-S1A230Z	
250			S6-02502PSC	S6-02503PSC	S6-02503NSC	UM-S1A230Z	
315			S6-03152PSC	S6-03153PSC	S6-03153NSC	UM-S1A230Z	
400			S6-04002PDC	S6-04003PDC	S6-04003NDC	UM-S1A230Z	
500	2	I	S6-05002PSC	S6-05003PSC	S6-05003NSC	UM-S2A230Z	
630			S6-06302PSC	S6-06303PSC	S6-06303NSC	UM-S2A230Z	
800			S6-08002PDC	S6-08003PDC	S6-08003NDC	UM-S2A230Z	

UM

S5M SSN S6N S5 switches 6 & 8 poles (O-I) ready to motorize

Amp.	Size	Connection	6 pole (6P)		8 pole (8P)		Motorized unit kit (O - I) ^{*(2)}	
			Code	Code	Code	Code	Code	Code
125	1	I	S6N01256PSC	S6N01258PSC	-	-	UM-S2A230Z	196
160			S6N01606PSC	S6N01608PSC	-	-	UM-S2A230Z	196
200			S6N02006PSC	S6N02008PSC	-	-	UM-S2A230Z	196
250			S6N02506PSC	S6N02508PSC	-	-	UM-S2A230Z	196
315	2	I	S6N03156PSC	S6N03158PSC	-	-	UM-S2A230Z	196
400			S6N04006PDC	S6N04008PDC	-	-	UM-S2A230Z	196
500			S6N05006PRC	S6N05008PRC	MB UM-S26120M	MB UM-S26230M	200	
630			S6N06306PRC	S6N06308PRC	MB UM-S26120M	MB UM-S26230M	200	
800	3	I	S5M08006PRC	S5M08008PRC	MB UM-S35120M	MB UM-S35230M	200	
1000			S5M10006PCC	S5M10008PCC	MB UM-S35120M	MB UM-S35230M	200	
1250			S5N12506PSC	S5N12508PSC	-	-	UM-S56230M	200
1600			S5N16006PSC	S5N16008PSC	-	-	UM-S56230M	200
1800	4	I	S5N18006PSC	S5N18008PSC	-	-	UM-S56230M	200
2000			S5N20006PDC	S5N20008PDC	-	-	UM-S56230M	200

UM + S6N normal mounting
 UM + S5M size 3 normal mounting
 UM + SSN size 3 inverted mounting
 UM + SSN size 4 normal mounting
 UM + S5M size 3 inverted mounting (please consult UM codes)

^{*(1)} Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available, please consult.
^{*(2)} 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.
^{*(3)} For DC values, please consult.

For all solutions, please indicate in your order the switch code and the UM Kit code, as these both products are managed separately.

S5F CC S5 changeover switches 3 & 4 poles (I-O-II) ready to motorize ^{*(5)}

Amp.	Size	Connection	Series	3 pole (3P)		4 pole (3P + N) ^{*(4)}		Motorized unit kit (I - O - II) ^{*(6)}	
				Code	Code	Code	Code	Code	Code
125	0	I	S5F	S5F01253PS0	S5F01253NS0	-	-	UM-C0A230Z	202
160			S5F	S5F01603PS0	S5F01603NS0	-	-	UM-C0A230Z	202
200			S5F	S5F02003PS0	S5F02003NS0	-	-	UM-C0A230Z	202
200	1	I	CCF	CCF02003PS0	CCF02003NS0	-	-	UM-C1A230Z	202
250			CCF	CCF02503PS0	CCF02503NS0	-	-	UM-C1A230Z	202
315			CCF	CCF03153PS0	CCF03153NS0	-	-	UM-C1A230Z	202
400			CCF	CCF04003PS0	CCF04003NS0	-	-	UM-C1A230Z	202
500	2	I	CCF	CCF05003PS0	CCF05003NS0	MB UM-C21120M	UM-C2A230Z	UM-C2A230Z	202
630			CCF	CCF06303PS0	CCF06303NS0	MB UM-C21120M	MB UM-C21230M	UM-C2A230Z	204
800	3	I	CCF	CCF08003PS0	CCF08003NS0	-	-	UM-C2A230Z	204
1000			CCF	CCF10003PS0	CCF10003NS0	MB UM-C31120M	MB UM-C31230M	UM-C3A230Z	204
1250	4	I	CCF	CCF12503PS0	CCF12503NS0	MB UM-C31120M	MB UM-C31230M	UM-C3A230Z	204
1600			S5F	S5F16003PS0	S5F16003NS0	MB UM-C45120M	MB UM-C45230M	UM-C4A230Z	204
1800	5	I	S5F	S5F18003PS0	S5F18003NS0	MB UM-C45120M	MB UM-C45230M	UM-C4A230Z	204
2000			S5F	S5F20003PDC	S5F20003NDC	-	-	UM-C4A230Z	204
2000	5	I	S5F	S5F20003PP0	S5F20003NP0	-	-	UM-C5A230Z	204
2500			S5F	S5F25003PP0	S5F25003NP0	-	-	UM-C5A230Z	204
3150	5	I	S5F	S5F31503PP0	S5F31503NP0	-	-	UM-C5A230Z	204

UM + S5F size 0 normal mounting
 UM + CCF sizes 1 - 2 normal mounting
 UM + CCF size 3 normal mounting
 UM + S5F sizes 4 - 5 normal mounting
 UM + CCF size 3 inverted mounting (please consult UM codes)
 UM + S5F sizes 4 - 5 inverted mounting (please consult UM codes)



S5B S5 bypass changeover switches 3 & 4 poles (I-O-II) ready to motorize ^{*(7)}

Amp.	Size	Connection	3 pole (3P)		4 pole (3P + N) ^{*(4)}		Motorized unit kit (I - O - II) ^{*(6)}	
			Code	Code	Code	Code	Code	Code
125	0	I	S5B01253PS0	S5B01253NS0	-	-	UM-C0A230Z	202
160			S5B01603PS0	S5B01603NS0	-	-	UM-C0A230Z	202
200			S5B02003PS0	S5B02003NS0	-	-	UM-C0A230Z	202
250	1	I	S5B02503PRC	S5B02503NRC	-	-	UMC14230Z	202
315			S5B03153PRC	S5B03153NRC	-	-	UMC14230Z	202
400			S5B04003PCC	S5B04003NCC	-	-	UMC14230Z	202
500			S5B05003PRC	S5B05003NRC	MB UM-C24120M	MB UM-C24230M	206	
630	2	I	S5B06303PRC	S5B06303NRC	MB UM-C24120M	MB UM-C24230M	206	
800			S5B08003PRC	S5B08003NRC	MB UM-C34120M	MB UM-C34230M	206	
1000	3	I	S5B10003PCC	S5B10003NCC	MB UM-C34120M	MB UM-C34230M	206	
1250			S5B12503PS0	S5B12503NS0	-	-	UM-C44230M	206
1600	4	I	S5B16003PS0	S5B16003NS0	-	-	UM-C44230M	206
1800			S5B18003PS0	S5B18003NS0	-	-	UM-C44230M	206
2000	4	I	S5B20003PDC	S5B20003NDC	-	-	UM-C44230M	206

UM + S5B sizes 0 - 1 normal mounting
 UM + S5B sizes 2 - 3 - 4 normal mounting
 UM + S5B sizes 2 - 3 - 4 inverted mounting (please consult UM codes)

^{*(4)} Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available, please consult.
^{*(5)} There are versions of changeover switch without 0 - OFF position:
 S5F (I - II) = S5D _____
 CCF "overlapped" (I - II - II) = CCS _____
 Please consult.
^{*(6)} UM Kit code is related to the code of changeover from its section depending on size and it is for normal mounting. For different type of mounting or different code of changeover or UM kit, please consult.
^{*(7)} There are versions of bypass changeover switch without 0 - OFF position "overlapped":
 S5B "overlapped" (I - II - II) = S5S _____
 Please consult.
^{*(8)} For DC values, please consult.

Please indicate in your order the changeover switch code and the UM Kit code, as these both products are managed separately.