

AC Switch - disconnectors

Switch - disconnectors with high operating load capacity and a high level disconnection insulation; high reliability and safety in abnormal situations, available in different construction models, with a wide range of currents and several accessories.

series
S5|S5M

series
S6

series
CIS

According to:
IEC/EN 60947-3
IEC/EN 61439-1
RoHS



Testing and approvals:
AIT AUSTRIAN INSTITUTE OF TECHNOLOGY
TOMORROW TODAY



Functional and ergonomic handle

- > Good grip and excellent torque/resistance
- > Padlockable handle in **0 OFF** position (up to three locks Ø 5-8 mm)
- > Door interlock in **ON I** position
- > When lock is in **0 OFF** position, door is interlocked
- > Defeatable feature in **ON I** position (with the use of a tool for maintenance operations). Handle interlock is restored when closing
- > Self-centering shaft for door handle

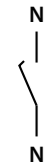


The switch - disconnectors in its different series, are manufactured with high safety self-extinguishing materials, providing an excellent level of electrical insulation, low smoke emission and high resistance to electromechanical stress.

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

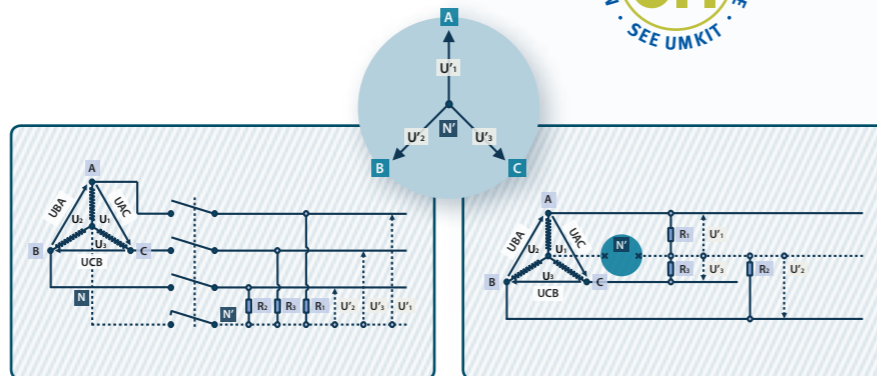
They consist of a sandwich-type body containing self-cleaning blade type contacts, with pre-arc zones to ensure long term, fault-free energy transmission and coated with silver alloy for long electromechanical life. The detent mechanism provides quick and independent switching due to the accumulation of elastic potential energy, which is transmitted at high speed to the contacts for arc extinction.

Neutral pole early make & late break



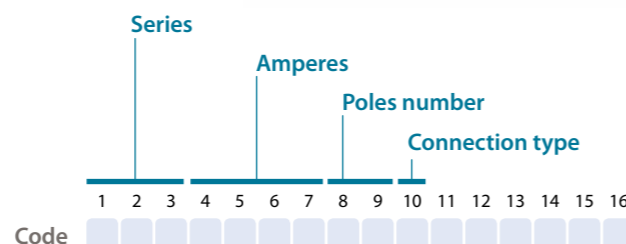
This safety feature prevents accidental overvoltage when making/breaking of loads connected between phase and neutral.

Due to the design in our 3P+N switch - disconnectors and changeover switches, the neutral contact closes before the main phases and opens later, thus ensuring this operation mode.



Range coding:

The S5|S5M|S6 series, are identified by a code that describes their most important characteristics as described below



series
S5

Wide range of currents.
Base mounting with screws.
Switching under load up to 1000Vac (inductive and capacitive).
Breaking current up to 8 times the operational current.
Able to establish and withstand short-circuit currents up to 100kA.
External or direct handles.



series
S5M

Back to back arrangement to increase the number of available contacts between 6 or 8.
Base mounting with screws.
External or direct handles.



series
S6

Switch - disconnectors with housings for 2P - 3P or 3P+N.
Base mounting with screws.
External or direct handles.
Wide range of devices and accessories.



series
CIS25D

S5000 polyester enclosed switch.
External padlockable handle with locking cover in ON I position.
Removing cover blocked by padlock when handle is in 0 OFF position.



series
CIS25C

S5000 metal enclosed switch.
External padlockable handle with locking door in ON I position.
Door opening blocked by padlock when handle is in 0 OFF position.



series
CIS25A

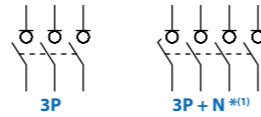
S5000 polyester enclosed switch and fuse holders.
External padlockable handle with locking cover in ON I position.
Removing cover blocked by padlock when handle is in 0 OFF position.



series
CIS25F

S5000 metal enclosed switch and fuse holders.
External padlockable handle with locking door in ON I position.
Door opening blocked by padlock when handle is in 0 OFF position.

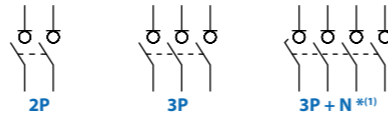
Series S5 - S5N | Base mounting switches



S5 - S5N Switches S5000 3 & 4 poles (40 - 6300A) (O - I)					Manual handle		
Amp.	Size	Connection	3 pole (3P)	4 pole (3P + N) ^{*(1)}	External ^{*(2)}	Direct	Emergency external ^{*(2)}
			Code	Code			
40	00		S5-00403PB0	S5-00403NB0	DS-SA01	DS-SI01	DS-SR01
63			S5-00633PB0	S5-00633NB0			
80			S5-00803PB0	S5-00803NB0			
125	0		S5-01253PB0	S5-01253NB0	DS-SA01	DS-SI01	DS-SR01
125			S5-01253PS0	S5-01253NS0			
160			S5-01603PB0	S5-01603NB0			
160			S5-01603PS0	S5-01603NS0			
200			S5-02003PS0	S5-02003NS0			
250	1		S5-02503PD0	S5-02503ND0	DS-SA11	DS-SI11	DS-SR11
250			S5-02503PR0	S5-02503NR0			
315			S5-03153PR0	S5-03153NR0			
400			S5-04003PC0	S5-04003NC0			
500	2		S5-05003PR0	S5-05003NR0	DS-LA21	DS-LI21	DS-LR21
630			S5-06303PR0	S5-06303NR0			
800			S5-08003PC0	S5-08003NC0			
800	3		S5-08003PR0	S5-08003NR0	DS-LA31	DS-LI31	DS-LR31
1000			S5-10003PC0	S5-10003NC0			
1250			S5-12503PC0	S5-12503NC0			
2000	3		S5-20003PC0	S5-20003NC0	DS-LA41	DS-LI41	DS-LR41
1000	4		S5-10003PS0	S5-10003NS0	DS-LA41	DS-LI41	DS-LR41
1250			S5-12503PS0	S5-12503NS0			
1600			S5-16003PS0	S5-16003NS0			
1800			S5-18003PS0	S5-18003NS0			
2000			S5-20003PD0	S5-20003ND0			
2000	5 (S5N)		S5N20003PP0	S5N20003NP0	DS-LA41	DS-LI41	DS-LR41
2500			S5N25003PP0	S5N25003NP0			
3150			S5N31503PP0	S5N31503NP0			
4000	6		S5-40003PP0	S5-40003NP0	DS-EN61 ^{*(3)}	-	-
5000			S5-50003PP0	S5-50003NP0			
6300			S5-63003PP0	S5-63003NP0			

Size	□	Extended shafts ^{*(4)}		Auxiliary contacts ^{*(5)}		DIN rail mounting	Safety key lock device ^{*(6)}		Terminal protection ^{*(7)}	Terminal shrouds ^{*(7)}
		Type 1 & 2		1NA+1NC	2NA+2NC	Only switches	Simple	Double	Only switches	Only switches
		L	Code ^{*(e1)}	Code	Code	Code	Code ^{*(e1)}	Code ^{*(e1)}	Code	Code
00	7	250	DS-EP04	D5LAU01	D5LAU02	-	DS-CAB1	DS-CEB1	-	-
		387	DS-EP05							
		7	250							
387	DS-EP05									
1	10	375	DS-EP14	D5LAU01	D5LAU02	-	DS-CA11	DS-CE11	DS-CU12	DS-CU11
		536	DS-EP15							
2	14	345	DS-EP23	D5LAU01	D5LAU02	-	DS-CB21	DS-CF21	DS-CU22	DS-CU21
		535	DS-EP24							
3	14	345	DS-EP23	D5LAU01	D5LAU02	-	DS-CB31	DS-CF31	-	DS-CU31
		535	DS-EP24							
3	14	485	DS-EP44	DS-AU11	DS-AU12	-	DS-CB31	DS-CF31	-	-
		635	DS-EP45							
4	14	485	DS-EP44	D5LAU01	D5LAU02	-	DS-CB41	DS-CF41	-	DS-CU41
		635	DS-EP45							
5 (S5N)	-	-	-	D5LAU01	D5LAU02	-	DS-CB41	DS-CF41	-	-
6	-	-	-	DS-AU11	DS-AU12	-	DS-CS41	DS-CD41	-	-

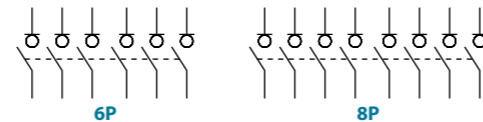
Series S6 | Base mounting switches



S6 Switches S6000 2, 3 & 4 poles (200 - 800A) (O - I)						Manual handle		
Amp.	Size	Connection	Bipolar (2P)	3 pole (3P)	4 pole (3P + N) ^{*(1)}	External ^{*(2)}	Direct	Emergency external ^{*(2)}
			Code	Code	Code			
200	1		S6-02002PS0	S6-02003PS0	S6-02003NS0	DS-SA11	DS-SI11	DS-SR11
250			S6-02502PS0	S6-02503PS0	S6-02503NS0			
315			S6-03152PS0	S6-03153PS0	S6-03153NS0			
400			S6-04002PD0	S6-04003PD0	S6-04003ND0			
500	2		S6-05002PS0	S6-05003PS0	S6-05003NS0	DS-LA21	DS-LI21	DS-LR21
630			S6-06302PS0	S6-06303PS0	S6-06303NS0			
800			S6-08002PD0	S6-08003PD0	S6-08003ND0			

Size	□	Extended shafts ^{*(4)}		Auxiliary contacts ^{*(5)}		Safety key lock device ^{*(6)}		Spacers	Phase barriers			Terminal shrouds ^{*(7)}		
		Type 1 & 2		1NA+1NC	2NA+2NC	Simple	Double	(4 units)	(1 unit)	(2 units)	(3 units)			
		L	Code ^{*(e1)}	Code	Code	Code ^{*(e1)}	Code ^{*(e1)}	Code	Code	Code	Code	Code	Code	Code
10	7	375	DS-EP14	D5LAU01	D5LAU02	DS-CA11	DS-CE11	DR-EL11	DR-SF11	DR-SF12	DR-SF13	DR-CU11	DR-CU12	DR-CU13
		536	DS-EP15											
14	7	345	DS-EP23	D5LAU01	D5LAU02	DS-CB21	DS-CF21	DR-EL21	DR-SF21	DR-SF22	DR-SF23	DR-CU21	DR-CU22	DR-CU23
		535	DS-EP24											

Series S5M - S5N | Base mounting switches 6P & 8P



S5M - S5N Switches S5000 6 & 8 poles (125 - 2000A) (O - I)					Manual handle		
Amp.	Size	Connection	6 pole (6P)	8 pole (8P)	External ^{*(2)}	Direct	Emergency external ^{*(2)}
			Code	Code			
125	0		S5M01256PS0	S5M01258PS0	DS-LA01	DS-SI01	DS-LR01
160			S5M01606PS0	S5M01608PS0			
200			S5M02006PS0	S5M02008PS0			
250	1		S5M02506PR0	S5M02508PR0	DS-LA12	DS-LI12	DS-LR12
315			S5M03156PR0	S5M03158PR0			
400			S5M04006PC0	S5M04008PC0			
500	2		S5M05006PR0	S5M05008PR0	DS-LA22	DS-LI22	DS-LR22
630			S5M06306PR0	S5M06308PR0			
800			S5M08006PR0	S5M08008PR0			
1000	3		S5M10006PC0	S5M10008PC0	DS-LA41	DS-LI41	DS-LR41
1250			S5N12506PS0	S5N12508PS0			
1600			S5N16006PS0	S5N16008PS0			
1800	4 (S5N)		S5N18006PS0	S5N18008PS0	DS-LA41	DS-LI41	DS-LR41
2000			S5N20006PD0	S5N20008PD0			

Size	Auxiliary contacts ^{*(5)}		Safety key lock device ^{*(6)}		Terminal protection ^{*(7)}	Terminal shrouds ^{*(7)}
	1NA+1NC	2NA+2NC	Simple	Double	Only switches	Only switches
Code	Code	Code ^{*(e1)}	Code ^{*(e1)}	Code	Code	
0	DS-AU11	DS-AU12	DS-CAB1	DS-CEB1	DS-CU01	-
1	DS-AU11	DS-AU12	DS-CB12	DS-CF11	DS-CU12	DS-CU11
2	DS-AU11	DS-AU12	DS-CB21	DS-CF21	-	DS-CU21
3	DS-AU11	DS-AU12	DS-CB41	DS-CF41	-	DS-CU31
4 (S5N)	D5LAU01	D5LAU02	DS-CB41	DS-CF41	-	-

^{*(1)} Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available. Please consult.

^{*(2)} Padlockable handle in OFF 0 position. Possibility of unlocking the door in ON I position (with the use of a tool). Door interlock by a padlock in OFF 0 position.

^{*(3)} Slide bar handle, only standard door interlock. Please consult.

Please indicate in your order the switch code and the handle code, as these both products are managed separately. A standard shaft is included with the handle.

^{*(4)} A standard shaft is included with the external handle.

^{*(5)} To be used as signalling or control contacts. - Whilst closing, it switches after the main contacts. Whilst opening, it switches before the main contacts. Ie= 16 (4) A (250 V).

^{*(6)} Handle interlock in OFF 0 position by means of a key. Interlocking in other positions available upon request.

^{*(7)} One set for input or output. S5M or S5N only for frontal switch.

^{*(e1)} All these codes are related to the new handle , in case of replacements for old design handles, please consult.