

According to:  
IEC 60947-3  
IEC 61439-2  
RoHS



Testing and approvals:



series  
**CCF**



1 2 3 4 5  
**CCF**

Compact model.  
Visible cut-off.  
Common output from the front.  
Wide range of currents.  
Base mounting by screws.  
External or direct handle.

series  
**CCP**



1 2 3 4 5  
**CCP**

Compact model.  
Visible cut-off.  
Common output from the rear.  
Wide range of currents.  
Base mounting by screws.  
External or direct handle.

series  
**S5F**



1 2 3 4 5  
**S5F**

Back to back or line arrangement.  
Base mounting by screws.  
External or direct handle.

series  
**S5B**



By-pass

1 2 3 4 5  
**S5B**

Back to back arrangement.  
Base mounting by screws.  
External or direct handle.

series  
**CEC**



1 2 3 4 5  
**CEC**

Compact efficient changeover switches.  
Reduced size.  
Common output from the up.  
Flexible mounting.  
Innovative single mechanism for COS function.  
Lower energy losses.  
External or direct handle.

series  
**CTR2**



1 2 3 4 5  
**CTR2**

Manual changeover switch in metallic enclosure.  
External padlockable handle with locking door in ON I - ON II positions.

IP65

series  
**CTRC**



1 2 3 4 5  
**CTRC**

Motorized changeover switch in metallic enclosure.  
Outdoor lights position indicators (mains - 0 - generator).  
Power connections on the bottom for direct access.  
Power part protected against accidental contact.  
Physical separation between power and control parts.  
Including manual handle (for emergency operation or maintenance).  
Other special combinations under request.

IP55

IP66

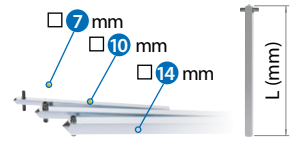
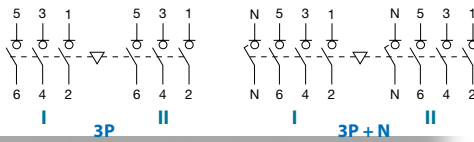
series  
**CTRC**



1 2 3 4 5  
**CTRC**

Motorized changeover switch in metallic enclosure with automatic transfer switch for the generator control with automated switching Main - Gen management.  
Configurable through software programming.  
Power part protected against accidental contact.  
Including manual handle (for emergency operation or maintenance).

IP66



**CEC** **S5F** **S5L** **CCF** **CCP**

**Changeover switches**  
3 & 4 poles (40 - 3150A) (I-O-II) <sup>\*(2)</sup>

Manual handle

Shaft extensions <sup>\*(4)</sup>



CEC



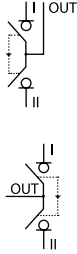
S5F



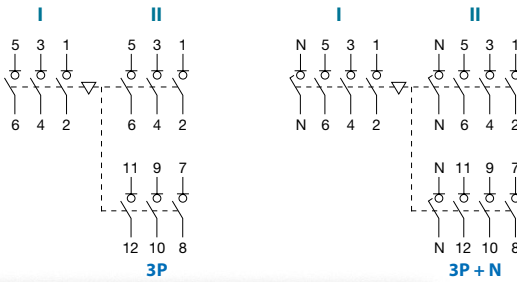
CCF



CCP

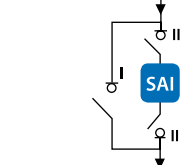
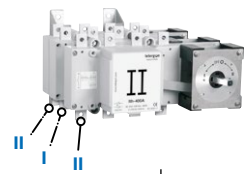


Amp.	Size	Connection	Series	3 pole (3P)	4 pole (3P + N) <sup>*(1)</sup>	External <sup>*(3)</sup>	Direct	□	Type 1 & 2			
				Code	Code				Code	Code	L	Code <sup>*(e1)</sup>
63	00		CEC	CEC00633PB0	CEC00633NB0	DCELAB1	D5LSI01	7	250	DS-EP04		
63			CEC	CEC00633PS0	CEC00633NS0					387	DS-EP05	
80			CEC	CEC00803PB0	CEC00803NB0							
80			CEC	CEC00803PS0	CEC00803NS0							
100			CEC	CEC01003PS0	CEC01003NS0							
125			CEC	CEC01253PS0	CEC01253NS0							
125	0		S5F	S5F01253PS0	S5F01253NS0	D5LLA01	D5LSI01	7	250	DS-EP04		
160			S5F	S5F01603PS0	S5F01603NS0					387	DS-EP05	
200			S5F	S5F02003PS0	S5F02003NS0							
200			CCF	CCF02003PS0	CCF02003NS0							
200			CCP	CCP02003PS0	CCP02003NS0							
250			CCF	CCF02503PS0	CCF02503NS0							
250	1		CCP	CCP02503PS0	CCP02503NS0	DCCLA11	DCCLI11	10	375	DS-EP14		
315			CCF	CCF03153PS0	CCF03153NS0					536	DS-EP15	
315			CCP	CCP03153PS0	CCP03153NS0							
400			CCF	CCF04003PS0	CCF04003NS0							
400			CCP	CCP04003PS0	CCP04003NS0							
500			CCF	CCF05003PS0	CCF05003NS0							
500	2		CCP	CCP05003PS0	CCP05003NS0	DCCLA21	DCCLI21	14	345	DS-EP23		
630			CCF	CCF06303PS0	CCF06303NS0					535	DS-EP24	
630			CCP	CCP06303PS0	CCP06303NS0							
800			CCF	CCF08003PS0	CCF08003NS0							
800			CCP	CCP08003PS0	CCP08003NS0							
1000			CCF	CCF10003PS0	CCF10003NS0							
1000	3		CCP	CCP10003PS0	CCP10003NS0	DCCLA31	DCCLI31	14	345	DS-EP23		
1250			CCF	CCF12503PS0	CCF12503NS0					535	DS-EP24	
1250			CCP	CCP12503PS0	CCP12503NS0							
1600			S5F	S5F16003PS0	S5F16003NS0							
1800			S5F	S5F18003PS0	S5F18003NS0							
2000			S5F	S5F20003PD0	S5F20003ND0							
2000	4		S5F	S5F20003PP0	S5F20003NP0	D5LLA31	D5LLI32	-	-	-		
2500			S5F	S5F25003PP0	S5F25003NP0							-
3150			S5F	S5F31503PP0	S5F31503NP0							-



**S5B** **Bypass changeover switches S5**  
3 & 4 poles (125 - 2000A) (I-O-II) <sup>\*(5)</sup>

Manual handle



Amp.	Size	Connection	3 pole (3P)	4 pole (3P + N) <sup>*(1)</sup>	External <sup>*(3)</sup>	Direct
			Code	Code		
125	0		S5B01253PS0	S5B01253NS0	D5LLA01	D5LSI02
160			S5B01603PS0	S5B01603NS0		
200			S5B02003PS0	S5B02003NS0		
250	1		S5B02503PR0	S5B02503NR0	D5LLA11	D5LLI12
315			S5B03153PR0	S5B03153NR0		
400			S5B04003PC0	S5B04003NC0		
500	2		S5B05003PR0	S5B05003NR0	D5LLA21	D5LLI22
630			S5B06303PR0	S5B06303NR0		
800			S5B08003PR0	S5B08003NR0		
1000	3		S5B10003PC0	S5B10003NC0		
1250			S5B12503PS0	S5B12503NS0	D5LLA31	D5LLI32
1600			S5B16003PS0	S5B16003NS0		
1800	S5B18003PS0	S5B18003NS0				
2000	4		S5B20003PD0	S5B20003ND0		

<sup>\*(1)</sup> Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available, please consult.

<sup>\*(2)</sup> There are versions of changeover switch without 0 - OFF position:

**S5F** (I - II) = **S5D** \_\_\_\_\_, please consult.

**CCF** "overlapped" (I - I+II - II) = **CCS** \_\_\_\_\_, please consult.

<sup>\*(3)</sup> Padlockable handle only in OFF 0 position.

<sup>\*(4)</sup> A standard shaft is included with the external handle.

<sup>\*(5)</sup> There are versions of bypass changeover switch without 0 - OFF position "overlapped":

**SSB** "overlapped" (I - I + II - II) = **SSS** \_\_\_\_\_, 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.



Size	Auxiliary contacts <sup>*(6)</sup>		Safety <sup>*(7)</sup> key lock device		Rear protective plate	Bridging links	Terminal shrouds <sup>*(8)</sup>				Terminal shrouds <sup>*(8)</sup> (1 unit)			Phase barrier <sup>*(8)</sup>		Full details in page
	1NO+1NC	2NO+2NC	Simple	Double	Code	Code (4 units)	3P input	3P common output	4P input position I & II	4P common output	Up	Down	Up or Down	Only changeover switches		
	Code	Code	Code <sup>*(e1)</sup>	Code <sup>*(e1)</sup>			Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
00	DCEAUB1	-	-	-	-	-	-	-	-	-	-	-	-	DCECUB1	DCECUB2	150
0	DS-AU11	DS-AU12	D5LCBB1	D5LCEB1	-	D5LPC03	-	-	-	-	DS-CU02	DS-CU03	DS-CU04	DS-PB01	DS-PB02	154
											DS-CU05	DS-CU06	DS-CU07	DS-PB04	DS-PB03	
1	D5LAU01	D5LAU02	D5LCB11	D5LCF11	3P DCCPP11	-	position I DM2CU12	DCCCU11	DM2CU13	DCCCU12	-	-	-	-	-	156
					4P DCCPP12		position II DM2CU11									
2	D5LAU01	D5LAU02	D5LCB21	D5LCF21	3P DCCPP21	-	position I DM2CU22	DCCCU21	DM2CU23	DCCCU22	-	-	-	-	-	158
					4P DCCPP22		position II DM2CU21									
3	D5LAU01	D5LAU02	D5LCB31	D5LCF31	3P DCCPP31	-	position I DM2CU32	DCCCU31	DM2CU33	DCCCU32	-	-	-	-	-	160
					4P DCCPP32		position II DM2CU31									
4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	D5LPC42	-	-	DS-CU41	DS-CU41	-	-	-	-	-	162
5	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	-	-	-	-	-	-	-	-	-	-	164



Size	Auxiliary contacts <sup>*(6)</sup>		Safety key lock device <sup>*(7)</sup>		Terminal <sup>*(8)</sup> protection	Terminal shrouds <sup>*(8)</sup> (2 units)	Terminal shrouds <sup>*(8)</sup> (1 unit)			Full details in page
	1NO+1NC	2NO+2NC	Simple	Double	Code	Only changeover switches	Up	Down	Up or Down	
	Code	Code	Code <sup>*(e1)</sup>	Code <sup>*(e1)</sup>		Code	Code	Code	Code	
0	DS-AU11	DS-AU12	D5LCBB1	D5LCFB1	DS-CU01	-	DS-CU02	DS-CU03	DS-CU04	166
							DS-CU05	DS-CU06	DS-CU07	
1	DS-AU11	DS-AU12	D5LCB11	D5LCF11	DS-CU12	DS-CU11	-	-	-	168
2	DS-AU11	DS-AU12	D5LCB21	D5LCF21	-	DS-CU21	-	-	-	170
3	DS-AU11	DS-AU12	D5LCB31	D5LCF31	-	DS-CU31	-	-	-	172
4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	DS-CU41	-	-	-	174

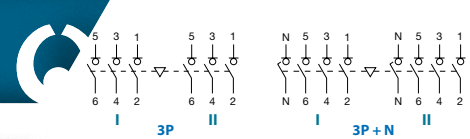
<sup>\*(6)</sup> To be used as signalling or control contacts - I<sub>e</sub> = 16A (resistive loads) 4A (inductive loads) at 250 Vac.

Whilst closing, it switches after the main contacts. Whilst opening, it switches before the main contacts.

<sup>\*(7)</sup> Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked.

<sup>\*(8)</sup> One set or one unit for input or output. Terminals shrouds for **SSB** and **SSF** only for frontal switch. These accessories aren't compatible with each other.

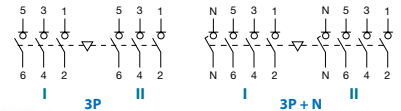
<sup>\*(e1)</sup> All these codes are related to the new handle , in case of replacements for old design handles, please consult.



**CTR2** Metal enclosed manual changeover switches IP65  
3 & 4 poles (63 - 3150A) (I - O - II)<sup>\*(2)</sup>



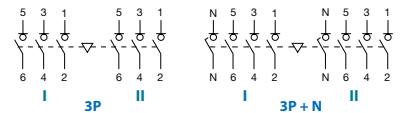
Amp.	Size	Connection	3 pole (3P)	4 pole (3P + N) <sup>*(1)</sup>
			Code	Code
63	00		CTR2EC00633PS	CTR2EC00633NS
80			CTR2EC00803PS	CTR2EC00803NS
100			CTR2EC01003PS	CTR2EC01003NS
125			CTR2EC01253PS	CTR2EC01253NS
125	0		CTR2FC01253PS	CTR2FC01253NS
160			CTR2FC01603PS	CTR2FC01603NS
200			CTR2FC02003PS	CTR2FC02003NS
200			CTR2CC02003PS	CTR2CC02003NS
250	1		CTR2CC02503PS	CTR2CC02503NS
315			CTR2CC03153PS	CTR2CC03153NS
400			CTR2CC04003PS	CTR2CC04003NS
500			CTR2CC05003PS	CTR2CC05003NS
630	2		CTR2CC06303PS	CTR2CC06303NS
800			CTR2CC08003PS	CTR2CC08003NS
1000	3		CTR2CC10003PS	CTR2CC10003NS
1250			CTR2CC12503PS	CTR2CC12503NS
1600	4		CTR2FC16003PS	CTR2FC16003NS
1800			CTR2FC18003PS	CTR2FC18003NS
2000			CTR2FC20003PD	CTR2FC20003ND
2000			CTR2FC20003PP <sup>*(3)</sup>	CTR2FC20003NP <sup>*(3)</sup>
2500	5		CTR2FC25003PP <sup>*(3)</sup>	CTR2FC25003NP <sup>*(3)</sup>
3150			CTR2FC31503PP <sup>*(3)</sup>	CTR2FC31503NP <sup>*(3)</sup>



**CTRC** Metal enclosed motorized changeover switches IP66  
3 & 4 poles (125 - 3150A) (I - O - II)<sup>\*(2)</sup>



Amp.	Size	Connection	3 pole (3P)	4 pole (3P + N) <sup>*(1)</sup>
			Code	Code
125	0		CTRCFC01253PSAN	CTRCFC01253NSAN
160			CTRCFC01603PSAN	CTRCFC01603NSAN
200			CTRCFC02003PSAN	CTRCFC02003NSAN
200	1		CTRCCC02003PSAN	CTRCCC02003NSAN
250			CTRCCC02503PSAN	CTRCCC02503NSAN
315			CTRCCC03153PSAO	CTRCCC03153NSAO
400			CTRCCC04003PSAO	CTRCCC04003NSAO
500	2		CTRCCC05003PSAO	CTRCCC05003NSAO
630			CTRCCC06303PSAO	CTRCCC06303NSAO
800			CTRCCC08003PSAO	CTRCCC08003NSAO
1000			CTRCCC10003PSAP	CTRCCC10003NSAP
1250	3		CTRCCC12503PSAP	CTRCCC12503NSAP
1600			CTRCFC16003PSAP	CTRCFC16003NSAP
1800	4		CTRCFC18003PSAP	CTRCFC18003NSAP
2000			CTRCFC20003PDAP	CTRCFC20003NDAP
2000			CTRCFC20003PPAP <sup>*(3)</sup>	CTRCFC20003NPAP <sup>*(3)</sup>
2500			CTRCFC25003PPAP <sup>*(3)</sup>	CTRCFC25003NPAP <sup>*(3)</sup>
3150	CTRCFC31503PPAP <sup>*(3)</sup>	CTRCFC31503NPAP <sup>*(3)</sup>		



**CTRC+ CONTROL MODULE** Metal enclosed changeover switches with motorized unit & control module IP54 4 poles (125 - 2000A) (I - O - II)



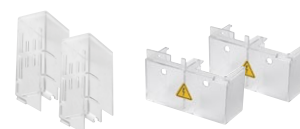
Amp.	Size	Connection	4 pole (3P + N) <sup>*(1)</sup>
			Code
125	0		CTRCFC01253NSBJ
200			CTRCFC02003NSBJ
250	1		CTRCCC02503NSBJ
400			CTRCCC04003NSBK
630	2		CTRCCC06303NSBK
1000	3		CTRCCC10003NSBK
1250			CTRCCC12503NSBK
1600	4		CTRCFC16003NSBK
2000			CTRCFC20003NSBK

<sup>\*(1)</sup> Neutral pole early make-late break.

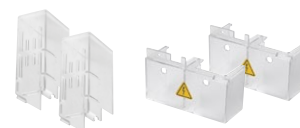
<sup>\*(2)</sup> External padlockable handle in OFF 0 position.

<sup>\*(3)</sup> IP55.

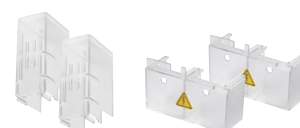
<sup>\*(4)</sup> Consult control module data.



Auxiliary contacts <sup>*(5)</sup>		Safety <sup>*(6)</sup> key lock device		Bridging links	Phase barrier <sup>*(7)</sup>		Terminal shrouds <sup>*(7)</sup> (1 unit)			Terminal shrouds <sup>*(7)</sup>				Full details in page		
Size	1NO+1NC	2NO+2NC	Simple	Double	Code (4 units)	3P	4P	Up	Down	Up or Down	Inputs		Common outputs			
	Code S5F	Code S5F	Code <sup>*(e1)</sup>	Code <sup>*(e1)</sup>		Code	Code	Code	Code	Code	Code	3P	4P		3P	4P
00	DCEAUB1	-	-	-	-	DCECUB1	DCECUB2	-	-	-	-	-	-	-	-	176
0	DS-AU11	DS-AU12	D5LCBB1	D5LCEB1	D5LPC03	DS-PB01 DS-PB04	DS-PB02 DS-PB03	DS-CU02 DS-CU05	DS-CU03 DS-CU06	DS-CU04 DS-CU07	-	-	-	-	-	180
1	D5LAU01	D5LAU02	D5LCBB1	D5LCEB1	-	-	-	-	-	-	Position I DM2CU12	Position I&II DM2CU13	DCCCU11	DCCCU12	-	182
2	D5LAU01	D5LAU02	D5LCB21	D5LCF21	-	-	-	-	-	-	Position I DM2CU22	Position I&II DM2CU23	DCCCU21	DCCCU22	-	184
3	D5LAU01	D5LAU02	D5LCB31	D5LCF31	-	-	-	-	-	-	Position I DM2CU32	Position I&II DM2CU33	DCCCU31	DCCCU32	-	186
4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	D5LPC42	-	-	-	-	-	-	-	-	-	-	188
5	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	-	-	-	-	-	-	-	-	-	-	190



Auxiliary contacts <sup>*(5)</sup>		Safety <sup>*(6)</sup> key lock device		Bridging links	Phase barrier <sup>*(7)</sup>		Terminal shrouds <sup>*(7)</sup> (1 unit)			Terminal shrouds <sup>*(7)</sup>				Full details in page		
Size	1NO+1NC	2NO+2NC	Simple	Double	Code (4 units)	3P	4P	Up	Down	Up or Down	Inputs		Common outputs			
	Code S5F	Code S5F	Code <sup>*(e1)</sup>	Code <sup>*(e1)</sup>		Code	Code	Code	Code	Code	Code	3P	4P		3P	4P
0	DS-AU11 S5F	DS-AU12 S5F	-	-	-	-	-	-	-	-	-	-	-	-	-	180
1	D5LAU01	D5LAU02	-	-	-	-	-	-	-	-	-	-	-	-	-	182
2	D5LAU01	D5LAU02	-	-	-	-	-	-	-	-	-	-	-	-	-	184
3	D5LAU01	D5LAU02	-	-	-	-	-	-	-	-	-	-	-	-	-	186
4	DS-AU11	DS-AU12	-	-	-	-	-	-	-	-	-	-	-	-	-	188
5	DS-AU11	DS-AU12	-	-	-	-	-	-	-	-	-	-	-	-	-	190




Auxiliary contacts <sup>*(5)</sup>		Safety <sup>*(6)</sup> key lock device		Bridging links	Phase barrier <sup>*(7)</sup>		Terminal shrouds <sup>*(7)</sup> (1 unit)			Terminal shrouds <sup>*(7)</sup>				Full details in page		
Size	1NO+1NC	2NO+2NC	Simple	Double	Code (4 units)	3P	4P	Up	Down	Up or Down	Inputs		Common outputs			
	Code S5F	Code S5F	Code <sup>*(e1)</sup>	Code <sup>*(e1)</sup>		Code	Code	Code	Code	Code	Code	3P	4P		3P	4P
0	DS-AU11 S5F	DS-AU12 S5F	-	-	-	-	-	-	-	-	-	-	-	-	-	180
1	D5LAU01	D5LAU02	-	-	-	-	-	-	-	-	-	-	-	-	-	182
2	D5LAU01	D5LAU02	-	-	-	-	-	-	-	-	-	-	-	-	-	184
3	D5LAU01	D5LAU02	-	-	-	-	-	-	-	-	-	-	-	-	-	186
4	DS-AU11	DS-AU12	-	-	-	-	-	-	-	-	-	-	-	-	-	188

<sup>\*(5)</sup> To be used as signalling or control contacts - I<sub>e</sub> = 16A (resistive loads) 4A (inductive loads) at 250 Vac.

Whilst closing, it switches after the main contacts. Whilst opening, it switches before the main contacts.

<sup>\*(6)</sup> Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked.

<sup>\*(7)</sup> One set or one unit for input or output. These accessories aren't compatible with each other.

<sup>\*(e1)</sup> All these codes are related to the new handle , in case of replacements for old design handles, please consult.