Changeover switches

CCF|CCP|S5F|S5L|S5B CEC

Changeover switches 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, motorized units and various accessories.



The changeover switches in the series CCF|CCP|S5F|S5L|S5B, 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,

Functional and ergonomic handle

- > Good grip and excellent torque/ resistance
- > Padlockable handle in **O OFF** position (up to three locks Ø 5-8 mm) 🖬
- > Door interlock in ON I ON II position
- > Self-centering shaft for door handle

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.

The compact models are with visible cutoff and performed internally the common output without the need for external connections.



EDKITAL

KIT

According to: IEC 60947-3 IEC 61439-2

CCF

Compact model.

Common output

Visible cut-off.

from the front.

Wide range of

Base mounting by

External or direct

CTR2

CTR2

enclosure.

currents.

screws.

handle.

RoHS



IEC





Common output

Base mounting by

External or direct

from the rear.

Wide range of

currents.

screws.

handle.

Manual changeover switch in metallic

External padlockable handle with

locking door in ON I - ON II positions.

CCP





CCP

1 2 3 Compact model S 5 L Visible cut-off.

> screws. handle.





CTRC

direct access. tal contact. request.

Neutral pole early make & late break

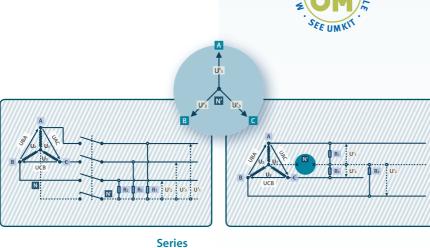
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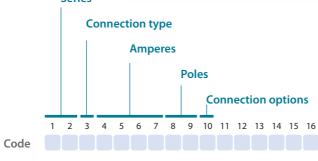
This safety feature prevents accidental overvoltage when making/breaking of loads connected between phase and neutral.

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 codification:

The CCF|CCP|S5F|S5L|S5B series, are identified by a code that describes their most important characteristics as described below.







Testing and approvals:

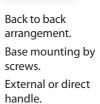






Back to back or line arrangement. Base mounting by External or direct







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.



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



Motorized changeover switch in metallic enclosure with automatic transfer switch for the generator control with automated switching Main - Gen management.

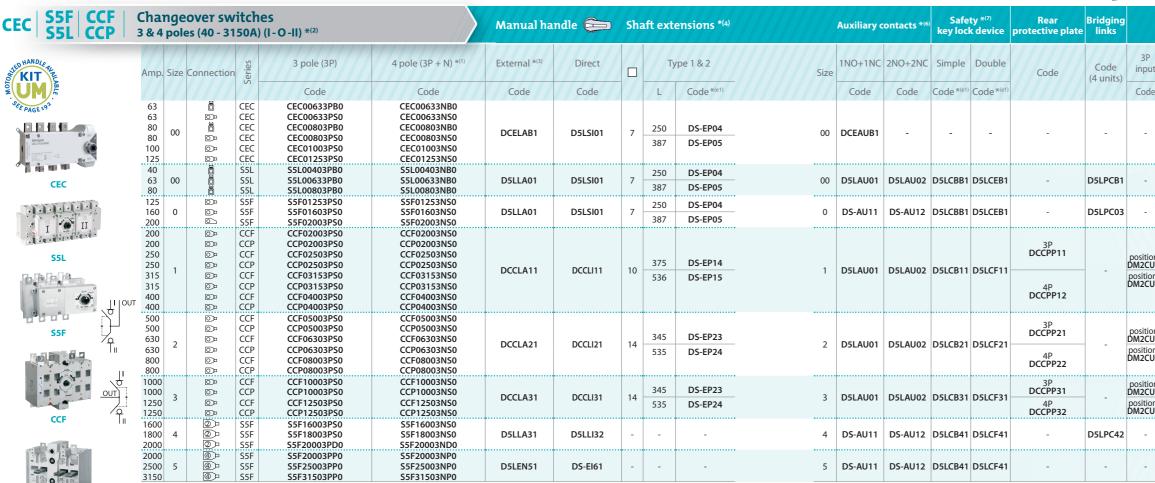
Configurable through software programming.

Power part protected against accidental contact.

Including manual handle (for emergency operation or maintenance).







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S5B	S5BBypass changeover switches S5 3 & 4 poles (125 - 2000A) (I-O-II) *(5)			Manual h	Manual handle 😑			Auxiliary contacts * ⁽⁶⁾ Sa		Safety key lock device *(7)		Terminal shrouds ^{*(8)} (2 units)	т	Terminal shrouds * ⁽⁸⁾ (1 unit)		R		
DLL AL	Amp.	Size	Connection	3 pole (3P)	4 pole (3P + N) *(1)	External *(3)	Direct	Size	1NO+1NC	2NO+2NC	Simple	Double	Code	Only changeover switches 🖾	Up 3P	Down 3P	Up or Down 4P	Full detai
M				Code	Code	Code	Code		Code	Code	Code *(e1)	Code *(e1)	1//////	Code	Code	Code	Code	
iE 192	125 160 200	0	6	S5B01253PS0 S5B01603PS0 S5B02003PS0	S5B01253NS0 S5B01603NS0 S5B02003NS0	D5LLA01	D5LSI02	0	DS-AU11	DS-AU12	D5LCBB1	D5LCFB1	DS-CU01	-	DS-CU02 DS-CU05	DS-CU03 DS-CU06	DS-CU04 DS-CU07	166
	200 250 315 400	1	66	S5B02503PR0 S5B03153PR0 S5B04003PC0	S5B02503NR0 S5B03153NR0 S5B04003NC0	D5LLA11	D5LLI12	1	DS-AU11	DS-AU12	D5LCB11	D5LCF11	DS-CU12	DS-CU11	-	-	-	168
	500 630	2		S5B05003PR0 S5B06303PR0	S5B05003NR0 S5B06303NR0	D5LLA21	D5LLI22	2	DS-AU11	DS-AU12	D5LCB21	D5LCF21	-	DS-CU21	-	-	-	170
/ II	800 1000	3	0 D	S5B08003PR0 S5B10003PC0	S5B08003NR0 S5B10003NC0			3	DS-AU11	DS-AU12	D5LCB31	D5LCF31	-	DS-CU31	-	-	-	172
	1250 1600 1800 2000	4	6 6 6	S5B12503PS0 S5B16003PS0 S5B18003PS0 S5B20003PD0	S5B12503NS0 S5B16003NS0 S5B18003NS0 S5B20003ND0	D5LLA31	D5LLI32	4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	DS-CU41	-	-	-	174
	*(1) Neutr	2000 Image: Constraint of the state of the					Please indicate in your order the writch code and the handle code,	Whilst	losing, it switche	es after the main c	ontacts. Whilst op	ening, it switche	ductive loads) at 25 s before the main	contacts.				

as these both products are

managed separately. A standard

shaft is included with the handle.

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

CCF "overlapped" (I - I+II - II) = **CCS**_____, please consult. *⁽³⁾ Padlockable handle only in OFF 0 position.

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

*(5) There are versions of bypass changeover switch without 0 - OFF position "overlapped":

S5B "overlapped" (I - I + II - II) = **S5S** _____, please consult.

ССР

KIT EE PAGE

> *⁽⁷⁾ Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked. *(8) One set or one unit for input or output. Terminals shrouds for S5B and S5F only for frontal switch. These accessories aren't compatible with each other.

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

	The the The The T	
4		

Te	erminal s	hrouds *	·(8)	Те	rminal sl (1 u	nrouds * ⁽⁸⁾ nit)	Phase ba	R		
ut	3P common output	4P input position	4P common output	Up Down U 3P 3P		Up or Down 4P	Only changeover switches 3P 4P		Full details	
le	Code	Code	Code	Code	Code	Code	Code		in page	
	-	-	-	-	-	-	DCECUB1	DCECUB2	150	
	-	-	-	-	-	-	-	-	152	
	-	-	-		DS-CU03 DS-CU03 DS-CU06	DS-CU04 DS-CU04 DS-CU07	DS-PB01 DS-PB01 DS-PB04	DS-PB02	154	
on I U12 on II U11	DCCCU11	DM2CU13	DCCCU12	-	-	-	-	-	156	
on I U22 on II U21	DCCCU21	DM2CU23	DCCCU22	-	-	-	-	-	158	
on I U32 on II U31	DCCCU31	DM2CU33	DCCCU32	-	-	7	-	-	160	
	-	DS-CU41	DS-CU41	-	-	-	-	-	162	
	-	-	-	-	-	-	-	-	164	



