

telergon
gorlan team

Quick selection guide 2018

AC DC





telergon

Telergon is one of the leading companies in the field of the switchgear engineering.

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www.telergon.com



pronutec

Pronutec is considered one of the leading companies specialised in the fabrication and marketing of capital goods for the low voltage switchgear sector.

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Vizcaya-Spain
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tripus

Tripus has become the leading manufacturer of complete switch-plug combinations for do-it-yourself and construction industries in Europe.

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Fax: (+49) 8221 3073
sales@tripus.de
www.tripus.de



merytronic

Merytronic is a company with a high added value in research, development and production of electronic equipment, both fixed and portable, for monitoring, control and indication of electronic distribution networks.

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Tel.: (+34) 94 605 24 62
merytronic@merytronic.com
www.merytronic.com



pronutec GmbH

Pronutec GmbH. After many years of experience in the German market, Pronutec GmbH was established to provide customers a more personalized and direct service.

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www.germany.gorlanteam.com



plastibor

Dedicated to plastics injection moulding, Plastibor separates production into two different sections: The thermosetting polymers section and thermoplastic materials section. In the first section thermoset polyester parts are moulded from moist polyester, and in the second section, thermoplastic materials such as polyamides, polycarbonates, PBT, PPS, PEI, PP, PARA, etc. are injected.

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inaselec

Inaselec Assembly is a recent established Company within Gorlan group, is devoted to the manufacturing activity. As a result of this exclusive dedication to the manufacture and assembly by means of the most developed and modern systems, as well as rigorous quality controls, Inaselec offers an excellent end-product.

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www.inaselec.com



gorlan Polska

Gorlan Polska was established to spread the group's solutions and attend the local customers needs in the Polish market.

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www.polska.gorlanteam.com



gorlan Shanghai

Gorlan Electric Shanghai was established to offer its group's solutions to the Chinese market in order to attend to this market's needs in the most customised and efficient fashion possible.

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gorlan India

Gorlan India Switchgears Private Limited was formed as a result of the merger of Gem Telergon Switchgears Pvt Ltd and Gorlan Technologies Pvt Ltd.

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Quick selection guide

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For further details about the related products in this quick guide, please consult the catalogue, visit our website or contact us directly.



Wide range
of currents and accessories



Different types
of mounting

Modular switch-disconnectors and changeover switches



Plastic enclosure



Changeover switch
with modular direct handle



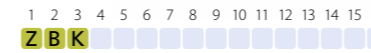
Series ZBK

Switch from 3P up to 8P.

Base mounting by screws or DIN rail mounting and handle with clutch device ø22.

- Available from 20 up to 125A 3P - 3P+N, from 25 up to 80A 6P - 8P.

- Two sizes of padlockable external handles with clutch devices.
- Possibility of incorporating auxiliary terminals and other accessories.
- Shaft extension depth-adjustable.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Z B K



Series ZBK

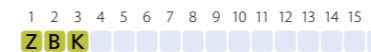
Switch 3P or 3P+N.

Door mounting by screws.

- Available from 20 up to 125A.

- Two sizes of padlockable handles.

- Possibility of incorporating auxiliary terminals and other accessories.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Z B K



Series ZBK

Switch from 3P up to 8P.

Base mounting by screws or DIN rail mounting.

- Available from 20 up to 125A 3P - 3P+N, from 25 up to 80A 6P - 8P.

- Modular padlockable direct handle.
- Possibility of incorporating auxiliary terminals and other accessories.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Z B K



Series ZBK

Changeover switch 3P+N.

Base mounting by screws or DIN rail mounting.

- Available from 20 up to 63A.

- Modular padlockable direct handle.
- Supplied with bridging links included.
- Possibility of incorporating auxiliary terminals and other accessories.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Z B K



Series ZBK

Switch from 3P up to 8P.

In plastic enclosure (sealable).

- Available from 20 up to 125A 3P - 3P+N, from 25 up to 80A 6P - 8P.

- Padlockable handle.
- Changeover I-0-2 upon request.



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Z B K




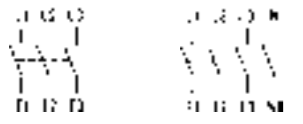
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Z B K

Accessories for these series

- Auxiliary contacts
- N - Terminal
- PE - Terminal
- N - Fixed neutral
- Extended shafts


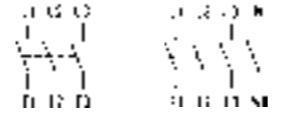
Series ZBK | Switches and accessories

Series ZBK | Switches and accessories


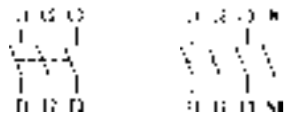
Switch O - I base mounting switch with padlockable handle with clutch device					
		Red - Yellow		Black	
		3P	3P+N ^{*(1)}	3P	3P+N ^{*(1)}
Amp	Plate \varnothing (mm)	Code	Code	Code	Code
20	64	ZBK20VZVHN4A3	ZBK20VZVHN4A4	ZBK20VZVH4A3	ZBK20VZVH4A4
25	64	ZBK25VZVHN4A3	ZBK25VZVHN4A4	ZBK25VZVH4A3	ZBK25VZVH4A4
40	64	ZBK40VZVHN4A3	ZBK40VZVHN4A4	ZBK40VZVH4A3	ZBK40VZVH4A4
63	64	ZBK63VZVHN4A3	ZBK63VZVHN4A4	ZBK63VZVH4A3	ZBK63VZVH4A4
80	64	ZBK80VZVHN4A3	ZBK80VZVHN4A4	ZBK80VZVH4A3	ZBK80VZVH4A4
125	64	ZBK125VZVHN4A3	ZBK125VZVHN4A4	ZBK125VZVH4A3	ZBK125VZVH4A4

^{*(1)} Neutral pole early make and late break. (Shaft of 152 mm of length included | depth-adjustable).


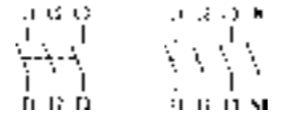
Switch O - I door mounting by 4 screws with padlockable handle IP66					
		Red - Yellow		Black	
		3P	3P+N ^{*(1)}	3P	3P+N ^{*(1)}
Amp	Plate \varnothing (mm)	Code	Code	Code	Code
20	64	ZBK20EHN4A3	ZBK20EHN4A4	ZBK20EH4A3	ZBK20EH4A4
25	64	ZBK25EHN4A3	ZBK25EHN4A4	ZBK25EH4A3	ZBK25EH4A4
40	64	ZBK40EHN4A3	ZBK40EHN4A4	ZBK40EH4A3	ZBK40EH4A4
63	64	ZBK63EHN4A3	ZBK63EHN4A4	ZBK63EH4A3	ZBK63EH4A4
80	64	ZBK80EHN4A3	ZBK80EHN4A4	ZBK80EH4A3	ZBK80EH4A4
125	64	ZBK125EHN4A3	ZBK125EHN4A4	ZBK125EH4A3	ZBK125EH4A4

^{*(1)} Neutral pole early make and late break. (Depth-adjustable shaft).

Switch O - I base mounting switch with padlockable handle with clutch device					
		Red - Yellow		Black	
		3P	3P+N ^{*(1)}	3P	3P+N ^{*(1)}
Amp	Plate \varnothing (mm)	Code	Code	Code	Code
25	48	ZBK25VZVHN1A3	ZBK25VZVHN1A4	ZBK25VZVH1A3	ZBK25VZVH1A4
40	48	ZBK40VZVHN1A3	ZBK40VZVHN1A4	ZBK40VZVH1A3	ZBK40VZVH1A4
63	48	ZBK63VZVHN1A3	ZBK63VZVHN1A4	ZBK63VZVH1A3	ZBK63VZVH1A4
80	48	ZBK80VZVHN1A3	ZBK80VZVHN1A4	ZBK80VZVH1A3	ZBK80VZVH1A4
125	48	ZBK125VZVHN1A3	ZBK125VZVHN1A4	ZBK125VZVH1A3	ZBK125VZVH1A4


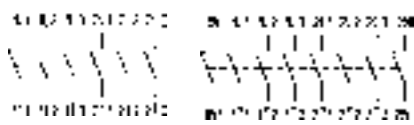
^{*(1)} Neutral pole early make and late break. (Shaft of 152 mm of length included | depth-adjustable).

Switch O - I door mounting by 4 screws with padlockable handle IP66					
		Red - Yellow		Black	
		3P	3P+N ^{*(1)}	3P	3P+N ^{*(1)}
Amp	Plate \varnothing (mm)	Code	Code	Code	Code
20	48	ZBK20EHN1A3	ZBK20EHN1A4	ZBK20EH1A3	ZBK20EH1A4
25	48	ZBK25EHN1A3	ZBK25EHN1A4	ZBK25EH1A3	ZBK25EH1A4
40	48	ZBK40EHN1A3	ZBK40EHN1A4	ZBK40EH1A3	ZBK40EH1A4
63	48	ZBK63EHN1A3	ZBK63EHN1A4	ZBK63EH1A3	ZBK63EH1A4
80	48	ZBK80EHN1A3	ZBK80EHN1A4	ZBK80EH1A3	ZBK80EH1A4


^{*(1)} Neutral pole early make and late break.


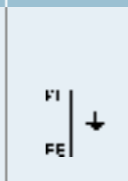
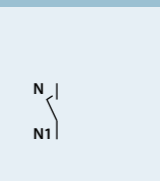
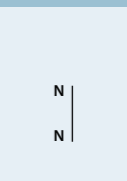
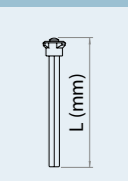
ZBK | Accessories

Switch O - I base mounting switch with padlockable handle with clutch device					
		Red - Yellow		Black	
		6P	8P ^{*(2)}	6P	8P ^{*(2)}
Amp	Plate \varnothing (mm)	Code	Code	Code	Code
25	64	ZBK25VZVHN4A6	ZBK25VZVHN4A8	ZBK25VZVH4A6	ZBK25VZVH4A8
40	64	ZBK40VZVHN4A6	ZBK40VZVHN4A8	ZBK40VZVH4A6	ZBK40VZVH4A8
80	64	ZBK80VZVHN4A6	ZBK80VZVHN4A8	ZBK80VZVH4A6	ZBK80VZVH4A8

^{*(2)} 6P + 2N Neutral poles early make and late break. (Shaft of 152 mm of length included | depth-adjustable).




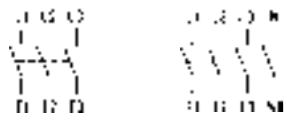
	Auxiliary contacts	PE - Terminal	N - Terminal	N - Fixed neutral	Extended shaft			
	 1NO+1NC	 F1 FE	 N N1	 N N	 L (mm)			
For currents A (Ith)	20 - 125	20 - 80	20 - 40	63 - 80	20 - 80			
Code	ZBKLN11	ZBKLN11X	ZBKPE80V	ZBKN40V	ZBKN80V	ZBKPEN80V	ZBK-0002	200
	ZBKLN11	ZBKLN11X	ZBKPE80E	ZBKN40E	ZBKN80E	ZBKPEN80E	ZBK-0003	300

Other options also available upon request:

- Products with customized shaft dimensions (max. L = 400mm)
- Products for door mounting \varnothing 22
- Terminal shrouds


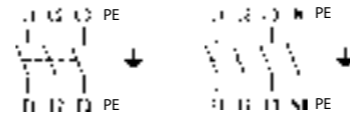
Series ZBK | Switches, changeover switches and accessories

Series ZBK | Switches and accessories


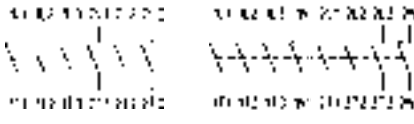
Switch O - I DIN rail mounting with modular padlockable handle IP40					
		Red - Yellow		Black	
		3P	3P+N ^{*(1)}	3P	3P+N ^{*(1)}
Amp	Plate □ (mm)	Code	Code	Code	Code
20	52x45	ZBK20SMAHN1A3	ZBK20SMAHN1A4	ZBK20SMAH1A3	ZBK20SMAH1A4
25	52x45	ZBK25SMAHN1A3	ZBK25SMAHN1A4	ZBK25SMAH1A3	ZBK25SMAH1A4
40	52x45	ZBK40SMAHN1A3	ZBK40SMAHN1A4	ZBK40SMAH1A3	ZBK40SMAH1A4
63	52x45	ZBK63SMAHN1A3	ZBK63SMAHN1A4	ZBK63SMAH1A3	ZBK63SMAH1A4
80	52x45	ZBK80SMAHN1A3	ZBK80SMAHN1A4	ZBK80SMAH1A3	ZBK80SMAH1A4
125	78x45	ZBK125SMAHN1A3	ZBK125SMAHN1A4	ZBK125SMAH1A3	ZBK125SMAH1A4

^{*(1)} Neutral pole early make and late break.


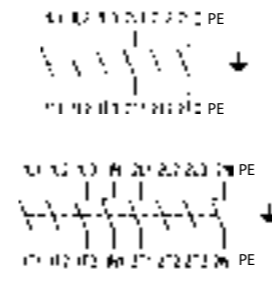
Switch O-I in plastic enclosure with padlockable handle			
		Red - Yellow ^{*(2)}	
		3P	3P+N ^{*(1)}
Amp	Plate □ (mm)	Code	Code
20	64	ZBK20PFHN4A3	ZBK20PFHN4A4
25	64	ZBK25PFHN4A3	ZBK25PFHN4A4
40	64	ZBK40PFHN4A3	ZBK40PFHN4A4
63	64	ZBK63PFLHN4A3	ZBK63PFLHN4A4
80	64	ZBK80PFLHN4A3	ZBK80PFLHN4A4
125	64	ZBK125PFLHN4A3	ZBK125PFLHN4A4

^{*(1)} Neutral pole early make and late break.

Switch O - I DIN rail mounting with modular padlockable handle IP40					
		Red - Yellow		Black	
		6P	8P ^{*(2)}	6P	8P ^{*(2)}
Amp	Plate (mm)	Code	Code	Code	Code
25	52x45	ZBK25SMAHN1A6	ZBK25SMAHN1A8	ZBK25SMAH1A6	ZBK25SMAH1A8
40	52x45	ZBK40SMAHN1A6	ZBK40SMAHN1A8	ZBK40SMAH1A6	ZBK40SMAH1A8
80	97x45	ZBK80SMAHN1A6	ZBK80SMAHN1A8	ZBK80SMAH1A6	ZBK80SMAH1A8


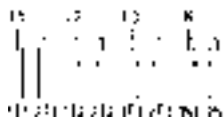
^{*(2)} 6P + 2N Neutral poles early make and late break.

Switch O-I in plastic enclosure with padlockable handle			
		Red - Yellow ^{*(2)}	
		6P	8P ^{*(3)}
Amp	Plate □ (mm)	Code	Code
25	64	ZBK25PFLHN4A6	ZBK25PFLHN4A8
40	64	ZBK40PFLHN4A6	ZBK40PFLHN4A8
80	64	ZBK80PFLHN4A6	ZBK80PFLHN4A8


^{*(2)} Black/grey handle under request.




^{*(3)} 6P + 2N Neutral poles early make and late break.

		Changeover switch 1-0-2 DIN rail mounting with modular padlockable handle IP 40	
		Black	
		3P+N ^{*(1)}	
Amp	Plate (mm)	Code	
20	97x45	ZBK20SMAH1U4	
25	97x45	ZBK25SMAH1U4	
40	97x45	ZBK40SMAH1U4	
63	126x45	ZBK63SMAH1U4	

^{*(1)} Neutral pole early make and late break. (Supplied with bridging links included). (Also available in plastic enclosure - upon request).



	Auxiliary contacts	PE - Terminal	N - Fixed neutral
			
For currents A (Ith)	20 - 125	20 - 80	20 - 80
Code	ZBK1H11	ZBKPE80V	ZBKPEN80V

Other options also available upon request:

- Terminal shrouds
- Changeover switches 3P

Handles

General features

- External handle IP65 without additional accessory parts
- Good grip and excellent torque / resistance balance
- Clear vision of position indication
- Easy and quick assembly
- Modern and aesthetic design
- Same look for all ranges and mountings (direct and external)



Panel assembly by four fixing points



Door interlock in **ON I** position integrated in the handle (without interlock available upon request)

Door interlock also by padlock in **OFF 0** position (only for switches **O-I**)

Self-centering shaft for door handle



Padlockable handle in **OFF 0** position up to three padlocks (Ø 5 - 8 mm)

With this interlock, the possibility of opening the cabinet door is also prevented (only for switches **O-I**)



Direct handle mounting with covered screws



Position indicator
OFF 0 - ON I
I - O - II
I-I+II-II
I-II



Possibility of unlocking the door in **ON I** position (with the use of a tool for maintenance operations) (only for **O-I** switches)

Switches



Single lever

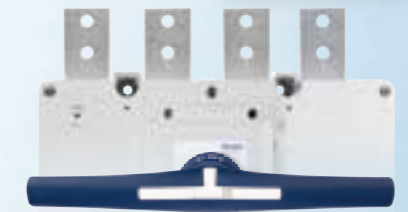
Direct handle Size

00 0 1 2



External handle Size

00 0 1 2



Double lever

3 4 5



Emergency external handle Size

00 0 1 2



Double lever

3 4 5



Changeover switches



Single lever

Direct handle Size

00 0 1 2



External handle Size

00 0 1 2



Double lever

3 4 5



3 4 5



series **S5** series **S6**

Wide range
of currents and accessories

series **S5M**

Multi-poles
of 6P - 8P

Switch - disconnectors

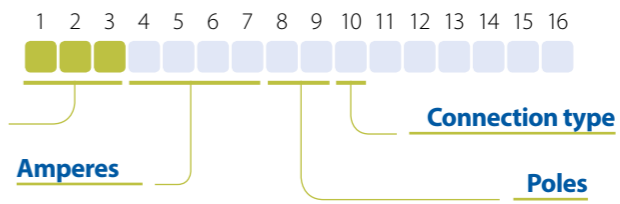
Preventive security in all these series
Neutral pole early-make & late-break for 3P + N

series **UM-S**

Motorized unit kit
automatic operating

series **S5N**

Operating mechanism integrated
More compact and reduced size



Series
S5- / S6- / S5M / S5N

S5 -

- Series S5**
- Switch S5000 3P or 3P + N
 - Available from 40A up to 6300A.
 - Base mounting by screws.
 - Grey/black nameplate.
 - Possibility of incorporating different devices and accessories.
 - Direct or external handle, blue or red/yellow colour.

S6 -

- Series S6**
- Switch S6000 2P, 3P or 3P+N
 - Available from 200A up to 800A.
 - Base mounting by screws.
 - Grey/black nameplate.
 - Possibility of incorporating different devices and accessories.
 - Direct or external handle, blue or red/yellow colour.

S5M

- Series S5M**
- Switch S5000 6P or 8P
 - Available from 125A up to 2000A.
 - Base mounting by screws.
 - Grey/black nameplate.
 - Possibility of incorporating different devices and accessories.
 - Direct or external handle, blue or red/yellow colour.

S5N

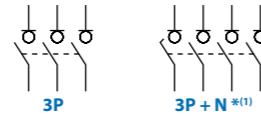
- Series S5N**
- Switch S5000 3P or 3P + N
Size 5 2000-2500-3150A
 - Switch S5000 6P or 8P
Size 4 1250-1600-1800-2000A
 - Operating mechanism integrated (more compact).
 - Base mounting by screws.
 - Grey/black nameplate.
 - Possibility of incorporating different devices and accessories.
 - Direct or external handle, blue or red/yellow colour.

UM-S

- Series UM-S**
- Motorized unit kit 0 - 1
For S5000 from 250A up to 3150A.
For S6000 from 200A up to 800A.
For S5000M-N from 125A up to 2000A depending on the series.
 - Two housings.
 - One or two voltages depending on model 120 - 230Vac (for dc values, please consult).
 - Handle for manual operating included. (See page 20).

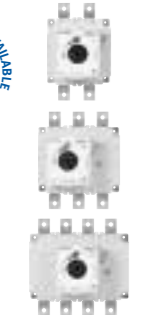
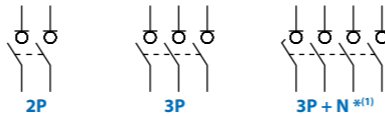
- Accessories for these series**
- Wide range of accessories available for all series.
 - Common accessories with screws or supplements to adapt to every switch.

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				Code	Code	Code		
40	00	[Symbol]	S5-00403PB0	S5-00403NB0	DS-SA01	DS-SI01	DS-SR01					
63			S5-00633PB0	S5-00633NB0								
80			S5-00803PB0	S5-00803NB0								
125	0	[Symbol]	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	[Symbol]	S5-02503PDD0	S5-02503NDD0	DS-SA11	DS-SI11	DS-SR11					
250			S5-02503PR0	S5-02503NR0								
315			S5-03153PR0	S5-03153NR0								
400			S5-04003PC0	S5-04003NC0								
500			2	[Symbol]				S5-05003PR0	S5-05003NR0	DS-LA21	DS-LI21	DS-LR21
630								S5-06303PR0	S5-06303NR0			
800								S5-08003PC0	S5-08003NC0			
800			3	[Symbol]				S5-08003PR0	S5-08003NR0	DS-LA31	DS-LI31	DS-LR31
1000								S5-10003PC0	S5-10003NC0			
1250								S5-12503PC0	S5-12503NC0			
1000	4	[Symbol]	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			S5-20003PDD0	S5-20003NDD0								
2000			4 (S5N)	[Symbol]				S5N20003PS0	S5N20003NS0	DS-LA41	DS-LI41	DS-LR41
2500	S5N25003PS0	S5N25003NS0										
3150	S5N31503PS0	S5N31503NS0										
4000	S5-40003PP0	S5-40003NP0			DS-EN61 ^{*(3)}	-	-					
5000	S5-50003PP0	S5-50003NP0										
6300	S5-63003PP0	S5-63003NP0										

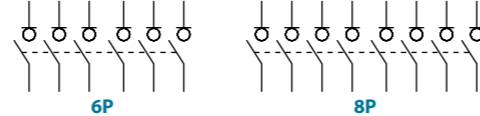
Series S6 | Base mounting switches



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	[Symbol]	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	2	[Symbol]	S6-04002PDD0	S6-04003PDD0	S6-04003NDD0	DS-LA21	DS-LI21	DS-LR21
500			S6-05002PS0	S6-05003PS0	S6-05003NS0			
630			S6-06302PS0	S6-06303PS0	S6-06303NS0			
800			S6-08002PDD0	S6-08003PDD0	S6-08003NDD0			

For high performance range (800Vac), please consult.

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



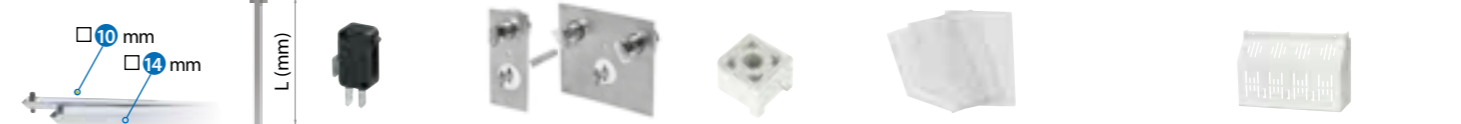
S5M - S5N Switches S5000 6 & 8 poles (125 - 2000A) (O-I)					Manual handle		
Amp.	Size	Connection	6 pole (6P)	8 pole (8P)	External ^{*(2)}	Direct	Emergency external ^{*(2)}
			Code	Code			
125	0	[Symbol]	S5M01256PS0	S5M01258PS0	DS-LA01	DS-SI01	DS-LR01
160			S5M01606PS0	S5M01608PS0			
200			S5M02006PS0	S5M02008PS0			
250	1	[Symbol]	S5M02506PR0	S5M02508PR0	DS-LA12	DS-LI12	DS-LR12
315			S5M03156PR0	S5M03158PR0			
400			S5M04006PC0	S5M04008PC0			
500			S5M05006PR0	S5M05008PR0			
630	2	[Symbol]	S5M06306PR0	S5M06308PR0	DS-LA22	DS-LI22	DS-LR22
800			S5M08006PR0	S5M08008PR0			
1000			S5M10006PC0	S5M10008PC0			
1250	4 (S5N)	[Symbol]	S5N12506PS0	S5N12508PS0	DS-LA41	DS-LI41	DS-LR41
1600			S5N16006PS0	S5N16008PS0			
1800			S5N18006PS0	S5N18008PS0			
2000			S5N20006PDD0	S5N20008PDD0			

^{*(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.



Size	□	Extended shafts ^{*(4)}		Auxiliary contacts ^{*(5)}		DIN rail mounting		Safety key lock device ^{*(6)}		Terminal protection ^{*(7)}	Terminal shrouds ^{*(7)} (3P - 1 unit 4P - 2 units)			Terminal shrouds ^{*(7)} (2 units)
		Type 1 & 2		1NO+1NC	2NO+2NC	Only switches	Simple	Double	Code		Up	Down	Up & Down	
		L	Code ^{*(e1)}	Code	Code	Code	Code ^{*(e1)}	Code ^{*(e1)}			Code	Code	Code	
00	7	250	DS-EP04	D5LAU01	D5LAU02	-	DS-CAB1	DS-CEB1	-	-	-	-	-	
		387	DS-EP05											
0	7	250	DS-EP04	D5LAU01	D5LAU02	DS-DN01	DS-CAB1	DS-CEB1	DS-CU01	DS-CU02	DS-CU03	DS-CU04	-	
		387	DS-EP05							DS-CU02	DS-CU03	DS-CU04		
										DS-CU05	DS-CU06	DS-CU07		
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											
4	14	485	DS-EP44	D5LAU01	D5LAU02	-	DS-CB41	DS-CF41	-	-	-	-	DS-CU41	
		635	DS-EP45											
4 (S5N)	-	-	-	D5LAU01	D5LAU02	-	DS-CB41	DS-CF41	-	-	-	-	DS-CU41	
6	-	-	-	DS-AU11	DS-AU12	-	DS-CS41	DS-CD41	-	-	-	-	-	



□	L	Extended shafts ^{*(4)}		Auxiliary contacts ^{*(5)}		Safety key lock device ^{*(6)}		Spacers			Phase barriers			Terminal shrouds ^{*(7)}		
		Type 1 & 2		1NO+1NC	2NO+2NC	Simple	Double	(4 units)	(1 unit)	(2 units)	(3 units)	Code	Code	Code	Code	Code
10	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	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														



Size	Auxiliary contacts ^{*(5)}		Safety key lock device ^{*(6)}		Terminal protection ^{*(7)}	Terminal shrouds ^{*(7)} (3P - 1 unit 4P - 2 units)			Terminal shrouds ^{*(7)} (2 units)	Phase barrier ^{*(7)}	
	1NO+1NC	2NO+2NC	Simple	Double		Up	Down	Up & Down		Code	Code
	Code	Code	Code ^{*(e1)}	Code ^{*(e1)}		Code	Code	Code			
0	DS-AU11	DS-AU12	DS-CAB1	DS-CEB1	DS-CU01	DS-CU02	DS-CU03	DS-CU04	-	DS-PB01	DS-PB02
						DS-CU02	DS-CU03	DS-CU04		DS-PB01	DS-PB02
						DS-CU05	DS-CU06	DS-CU07		DS-PB04	DS-PB03
1	DS-AU11	DS-AU12	DS-CB12	DS-CF11	DS-CU12	-	-	-	DS-CU11	DS-PB12	DS-PB11
										DS-PB12	DS-PB11
										DS-PB14	DS-PB13
2	DS-AU11	DS-AU12	DS-CB21	DS-CF21	-	-	-	-	DS-CU21	DS-PB22	DS-PB21
3	DS-AU11	DS-AU12	DS-CB41	DS-CF41	-	-	-	-	DS-CU31	DS-PB32	DS-PB31
4 (S5N)	D5LAU01	D5LAU02	DS-CB41	DS-CF41	-	-	-	-	DS-CU41	-	-

^{*(4)} A standard shaft is included with the external handle.
^{*(5)} To be used as signalling or control contacts - Ie = 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.
^{*(6)} Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked. Interlocking in other positions available upon request.
^{*(7)} One set or one unit for input or output. Terminals shrouds for S5M or S5N only for frontal switch. These accessories aren't compatible with each other.
^{*(e1)} All these codes are related to the new handle [Symbol], in case of replacements for old design handles, please consult.

series
CCF



Compact model
with integrated common output

series
S5L series
S5F



Back to back or line arrangement
different sizes and currents

Changeover switches



Preventive security in all these series

Neutral pole early-make & late-break for 3P + N

series
UM-C



Motorized unit kit
automatic operating

series
S5B



Bypass
Wide range of currents

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Series

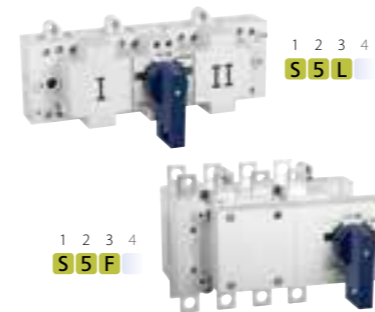
CCF / S5L / S5F / S5B

Connection type

Amperes

Poles

Connection options



Series S5F - S5L

• Changeover S5000 3P or 3P + N

• Available in two series:

S5L 40-63-80-125-160A.

S5F 125-160-200

1600-1800-2000-2500-3150A.

- Base mounting by screws.
- Grey/black nameplate.
- Direct or external handle, blue colour.
- Possibility of incorporating different devices and accessories.



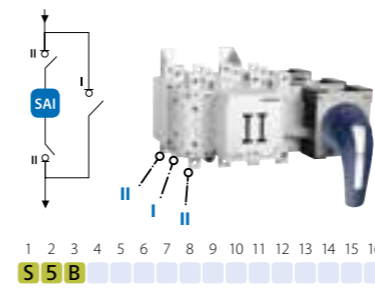
Series CCF

• Compact changeover 3P or 3P + N

• Available from 200A up to 1250A.

• Base mounting by screws.

- Grey/black nameplate.
- Direct or external handle, blue colour.
- Possibility of incorporating different devices and accessories.



Series S5B

• Bypass changeover S5000 3P or 3P + N

• Available from 125A up to 2000A.

• Base mounting by screws.

- Grey/black nameplate.
- Direct or external handle, blue colour.
- Overlapped contacts I + II available upon request.



Series UM-C

• Motorized unit kit 1 - 0 - 2

For S5000F from 125A up to 200A.
from 1600A up to 3150A.

For CCF from 200A up to 1250A.
For S5000B from 125A up to 2000A.

- Two housings.
- One or two voltages depending on model 120 - 230Vac (for dc values, please consult).
- Handle for manual operating included. (See page 21).

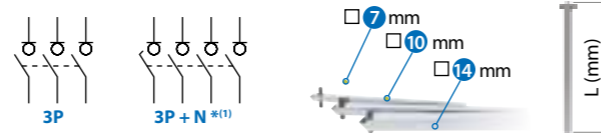


Accessories for these series

• Wide range of accessories available for all series.

- Common accessories with screws or supplements to adapt to every switch.

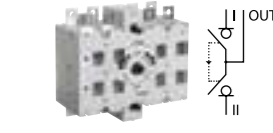
Series S5F - S5L - CCF | Base mounting changeover switches



SSF



SSL



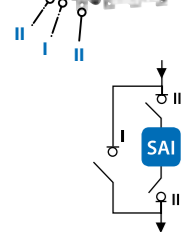
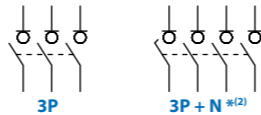
CCF

S5F - S5L - CC Changeover switches 3 & 4 poles (40 - 3150A) (I - O - II) ^{*(2)}					Manual handle		Extended shafts ^{*(4)}			
Amp.	Size	Connection	Series	3 pole (3P)	4 pole (3P + N) ^{*(1)}	External ^{*(3)}	Direct	□	Type 1 & 2	
				Code	Code				L	Code ^{*(e1)}
40	00		SSL	S5L00403PB0	S5L00403NB0	D5LLA01	D5LSI01	7	250	DS-EP04
60			SSL	S5L00633PB0	S5L00633NB0				387	DS-EP05
80			SSL	S5L00803PB0	S5L00803NB0					
125	0		SSF	S5F01253PS0	S5F01253NS0	D5LLA01	D5LSI01	7	250	DS-EP04
125			SSL	S5L01253PB0	S5L01253NB0				387	DS-EP05
160			SSF	S5F01603PS0	S5F01603NS0					
160			SSL	S5L01603PB0	S5L01603NB0					
200			SSF	S5F02003PS0	S5F02003NS0					
200	1		CCF	CCF02003PS0	CCF02003NS0	DCCLA11	DCCLI11	10	376	DS-EP14
250			CCF	CCF02503PS0	CCF02503NS0				536	DS-EP15
315			CCF	CCF03153PS0	CCF03153NS0					
400			CCF	CCF04003PS0	CCF04003NS0					
500	2		CCF	CCF05003PS0	CCF05003NS0	DCCLA21	DCCLI21	14	345	DS-EP23
630			CCF	CCF06303PS0	CCF06303NS0					
800			CCF	CCF08003PS0	CCF08003NS0					
1000	3		CCF	CCF10003PS0	CCF10003NS0	DCCLA31	DCCLI31	14	345	DS-EP23
1250			CCF	CCF12503PS0	CCF12503NS0				535	DS-EP24
1600	4		SSF	S5F16003PS0	S5F16003NS0	D5LLA31	D5LLI32			
1800			SSF	S5F18003PS0	S5F18003NS0					
2000			SSF	S5F20003PS0	S5F20003NS0					
2000	5		SSF	S5F20003PP0	S5F20003NP0	D5LEN51	DS-EI61			
2500			SSF	S5F25003PS0	S5F25003NS0					
3150			SSF	S5F31503PS0	S5F31503NS0					



Size	Auxiliary contacts ^{*(6)}		Safety key lock device ^{*(7)}		Rear protective plate	Bridging links	Terminal shrouds ^{*(8)} (2 units)				Terminal shrouds ^{*(8)} (3P - 1 unit 4P - 2 units)			Phase barrier ^{*(8)}		
	1NO+1NC	2NO+2NC	Simple	Double			3P input	3P common output	4P input position I & II	4P common output	Up	Down	Up & Down Frontal poles only	3P	4P	
	Code	Code	Code ^{*(e1)}	Code ^{*(e1)}							Code	Code		Code	Code	Code
00	D5LAU01	D5LAU02	D5LCBB1	D5LCB1	-	D5LPCB1	-	-	-	-	-	-	-	-	-	
0	SSF DS-AU11	SSF DS-AU12	D5LCBB1	D5LCB1	-	SSF D5LPC03	-	-	-	-	-	DS-CU02	DS-CU03	DS-CU04	DS-PB01	DS-PB02
	SSL D5LAU01	SSL D5LAU02										DS-CU02	DS-CU03	DS-CU04	DS-PB01	DS-PB02
												DS-CU05	DS-CU06	DS-CU07	DS-PB04	DS-PB03
1	D5LAU01	D5LAU02	D5LCB11	D5LCF11	3P DCCPP11	-	position I DM2CU12	DCCCU11	DM2CU13	DCCCU12	-	-	-	-	-	
2	D5LAU01	D5LAU02	D5LCB21	D5LCF21	4P DCCPP12	-	position II DM2CU11	DCCCU21	DM2CU23	DCCCU22	-	-	-	-	-	
					3P DCCPP21	-	position I DM2CU22	DCCCU31	DM2CU33	DCCCU32	-	-	-	-	-	
3	D5LAU01	D5LAU02	D5LCB31	D5LCF31	4P DCCPP22	-	position II DM2CU21	DCCCU31	DM2CU33	DCCCU32	-	-	-	-	-	
					3P DCCPP31	-	position I DM2CU32	DCCCU41	DS-CU41	DS-CU41	-	-	-	-		
4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	4P DCCPP32	-	position II DM2CU31	-	-	-	-	-	-	-	-	
					3P DCCPP31	-	position I DM2CU32	-	-	-	-	-	-	-		
5	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	-	-	-	-	-	-	-	-	-	-	

Series S5B | Base mounting bypass changeover switches



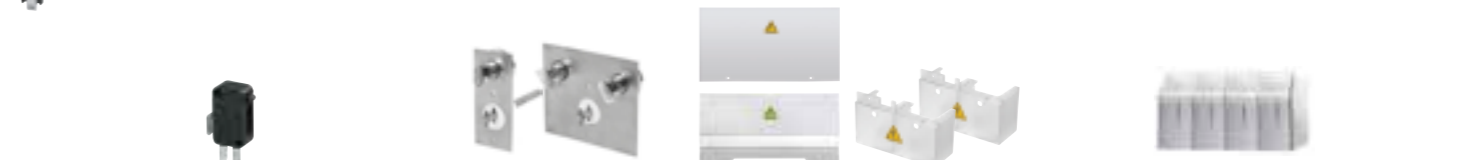
S5B Bypass changeover switches S5000 3 & 4 poles (125 - 2000A) (I - O - II) ^{*(5)}					Manual handle	
Amp.	Size	Connection	3 pole (3P)	4 pole (3P + N) ^{*(1)}	External ^{*(3)}	Direct
			Code	Code		
125	0		S5B01253PS0	S5B01253NS0	D5LLA01	D5LSI02
160			S5B01603PS0	S5B01603NS0		
200			S5B02003PS0	S5B02003NS0		
250	1		S5B02503PR0	S5B02503NR0	D5LLA11	D5LLI12
315			S5B03153PR0	S5B03153NR0		
400			S5B04003PC0	S5B04003NC0		
500			S5B05003PR0	S5B05003NR0		
630	2		S5B06303PR0	S5B06303NR0	D5LLA21	D5LLI22
800			S5B08003PR0	S5B08003NR0		
1000			S5B10003PC0	S5B10003NC0		
1250	4		S5B12503PS0	S5B12503NS0	D5LLA31	D5LLI32
1600			S5B16003PS0	S5B16003NS0		
1800			S5B18003PS0	S5B18003NS0		
2000			S5B20003PD0	S5B20003ND0		

^{*(1)} Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available, please consult.
^{*(2)} There are versions of changeover switch without 0 - OFF position:
 SSF (I - II) = SSD _____
 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.

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.

DIN rail mounting for S5L Size 0
 Code DS-DN01: 2 kits required.

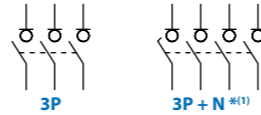
Terminal protection for SSF Size 0
 Code DS-CU01: One unit for input or output.



Size	Auxiliary contacts ^{*(6)}		Safety key lock device ^{*(7)}		Terminal ^{*(8)} protection	Terminal shrouds ^{*(8)} (2 units)	Terminal shrouds ^{*(8)} (3P - 1 unit 4P - 2 units)		
	1NO+1NC	2NO+2NC	Simple	Double			Up	Down	Up & Down Frontal poles only
	Code	Code	Code ^{*(e1)}	Code ^{*(e1)}			Code	Code	Code
0	DS-AU11	DS-AU12	D5LCBB1	D5LCFB1	DS-CU01	-	DS-CU02	DS-CU03	DS-CU04
1	DS-AU11	DS-AU12	D5LCB11	D5LCF11	DS-CU12	DS-CU11	DS-CU05	DS-CU06	DS-CU07
2	DS-AU11	DS-AU12	D5LCB21	D5LCF21	-	DS-CU21	-	-	-
3	DS-AU11	DS-AU12	D5LCB31	D5LCF31	-	DS-CU31	-	-	-
4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	DS-CU41	-	-	-

^{*(6)} To be used as signalling or control contacts - Ie = 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.
^{*(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 SSF only for frontal switch. These accessories aren't compatible with each other.
^{*(e1)} All these codes are related to the new handle , in case of replacements for old design handles, please consult.

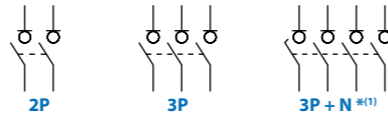
Series S5 - S5N | Base mounting switches ready to motorize & motorized unit kit



S5	S5 - S5N Switches S5000 3 & 4 poles (O-I) ready to motorize				UM-S Motorized unit kit (O-I) ^{*(2)}	
	Amp.	Size	3 pole (3P)	4 pole (3P + N) ^{*(1)}	120Vac ^{*(3)}	230Vac ^{*(3)}
			Code	Code	Code	Code
S5	250	1	S5-02503PRC	S5-02503NRC	-	UM-S1A230Z
	315		S5-03153PRC	S5-03153NRC	-	
	400		S5-04003PCC	S5-04003NCC	-	
S5N	500	2	S5-05003PRC	S5-05003NRC	-	UM-S2A230Z
	630		S5-06303PRC	S5-06303NRC	-	
	800		S5-08003PCC	S5-08003NCC	-	
	800		S5-08003PRC	S5-08003NRC	-	
	1000		S5-10003PCC	S5-10003NCC	UM-S31120M	
UM	1250	3	S5-12503PCC	S5-12503NCC	-	UM-S41230M
	1000		S5-10003PSC	S5-10003NSC	-	
	1250		S5-12503PSC	S5-12503NSC	-	
	1600		S5-16003PSC	S5-16003NSC	-	
	1800		S5-18003PSC	S5-18003NSC	-	
	2000		S5-20003PDC	S5-20003NDC	-	
	2000		S5N20003PDC	S5N20003NDC	-	
	2500		S5N25003PDC	S5N25003NDC	-	
	3150		S5N31503PDC	S5N31503NDC	-	

UM + S5 sizes 1 - 2 normal mounting UM + S5 size 3 normal mounting UM + S5 size 4 normal mounting UM + S5N size 5 normal mounting

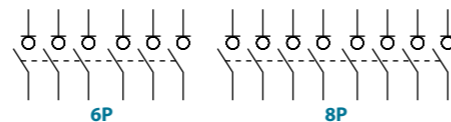
Series S6 | Base mounting switches ready to motorize & motorized unit kit



S6	S6 Switches S6000 2, 3 & 4 poles (O-I) ready to motorize				UM-S Motorized unit kit (O-I) ^{*(2)}	
	Amp.	Size	Bipolar (2P)	3 pole (3P)	4 pole (3P + N) ^{*(1)}	230Vac ^{*(3)}
			Code	Code	Code	Code
S6	200	1	S6-02002PSC	S6-02003PSC	S6-02003NSC	UM-S1A230Z
	250		S6-02502PSC	S6-02503PSC	S6-02503NSC	
	315		S6-03152PSC	S6-03153PSC	S6-03153NSC	
	400		S6-04002PDC	S6-04003PDC	S6-04003NDC	
UM	500	2	S6-05002PSC	S6-05003PSC	S6-05003NSC	UM-S2A230Z
	630		S6-06302PSC	S6-06303PSC	S6-06303NSC	
	800		S6-08002PDC	S6-08003PDC	S6-08003NDC	

UM + S6 sizes 1 - 2 normal mounting

Series S5M | Base mounting switches ready to motorize S5N & S6N 6P | 8P & motorized unit kit



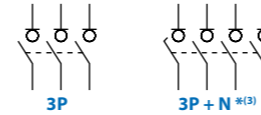
S5M	S5M - S5N & S6N Switches S5000 6 & 8 poles (O-I) ready to motorize				UM-S Motorized unit kit (O-I) ^{*(2)}	
	Amp.	Size	6 pole (6P)	8 pole (8P)	120Vac ^{*(3)}	230Vac ^{*(3)}
			Code	Code	Code	Code
S6N	250	1 (S6N)	S6N02506PSC	S6N02508PSC	-	UM-S2A230Z
	315		S6N03156PSC	S6N03158PSC	-	
	400		S6N04006PDC	S6N04008PDC	-	
S5M	500	2 (S6N)	S6N05006PRC	S6N05008PRC	UM-S26120M	UM-S26230M
	630		S6N06306PRC	S6N06308PRC	-	
S5N	800	3 (S5M)	S5M08006PRC	S5M08008PRC	UM-S35120M	UM-S35230M
	1000		S5M10006PCC	S5M10008PCC	-	
	1250		S5N12506PSC	S5N12508PSC	-	
UM	1600	4 (S5N)	S5N16006PSC	S5N16008PSC	-	UM-S56230M
	1800		S5N18006PSC	S5N18008PSC	-	
	2000		S5N20006PDC	S5N20008PDC	-	

UM + S6N normal mounting UM + S5N size 4 normal mounting
 UM + S5M size 3 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.

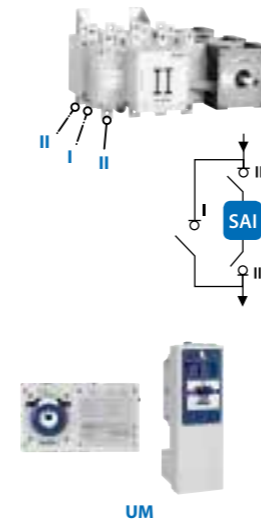
Series S5F - S5B - CCF | Base mounting changeover switches & motorized unit kit



S5F	S5F - CC Changeover switches 3 & 4 poles (I - O - II) ^{*(5)}				UM-C Motorized unit kit (I - O - II) ^{*(6)}			
	Amp.	Size	Series	3 pole (3P)	4 pole (3P + N) ^{*(4)}	120Vac ^{*(8)}	230Vac ^{*(8)}	
				Code	Code	Code	Code	
S5F	125	0	S5F	S5F01253PS0	S5F01253NS0	-	UM-C0A230Z	
	160		S5F	S5F01603PS0	S5F01603NS0	-		
	200		S5F	S5F02003PS0	S5F02003NS0	-		
CCF	200	1	CCF	CCF02003PS0	CCF02003NS0	-	UM-C1A230Z	
	250		CCF	CCF02503PS0	CCF02503NS0	-		
	315		CCF	CCF03153PS0	CCF03153NS0	-		
	400		CCF	CCF04003PS0	CCF04003NS0	-		
	500		CCF	CCF05003PS0	CCF05003NS0	-		
UM	630	2	CCF	CCF06303PS0	CCF06303NS0	-	UM-C2A230Z	
	800		CCF	CCF08003PS0	CCF08003NS0	-		
	1000		CCF	CCF10003PS0	CCF10003NS0	UM-C31120M		UM-C31230M
	1250		CCF	CCF12503PS0	CCF12503NS0	-		
	1600		S5F	S5F16003PS0	S5F16003NS0	UM-C45120M		UM-C45230M
	1800		S5F	S5F18003PS0	S5F18003NS0	-		
	2000		S5F	S5F20003PDC	S5F20003NDC	-		
	2000		S5F	S5F20003PP0	S5F20003NP0	-		UM-C55230M
	2500		S5F	S5F25003PP0	S5F25003NP0	-		
	3150		S5F	S5F31503PP0	S5F31503NP0	-		

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

Series S5B | Base mounting bypass changeover switches ready to motorize & motorized unit kit



S5B	S5B Bypass changeover switches S5000 3 & 4 poles (I - O - II) ^{*(7)}				UM-C Motorized unit kit (I - O - II) ^{*(6)}		
	Amp.	Size	3 pole (3P)	4 pole (3P + N) ^{*(4)}	120Vac ^{*(8)}	230Vac ^{*(8)}	
			Code	Code	Code	Code	
S5B	125	0	S5B01253PS0	S5B01253NS0	-	UM-C0A230Z	
	160		S5B01603PS0	S5B01603NS0	-		
	200		S5B02003PS0	S5B02003NS0	-		
UM	250	1	S5B02503PRC	S5B02503NRC	-	UM-C1A230Z	
	315		S5B03153PRC	S5B03153NRC	-		
	400		S5B04003PCC	S5B04003NCC	-		
	500		S5B05003PRC	S5B05003NRC	UM-C24120M		UM-C24230M
	630		S5B06303PRC	S5B06303NRC	UM-C34120M		UM-C34230M
UM	800	2	S5B08003PRC	S5B08003NRC	-	UM-C44230M	
	1000		S5B10003PCC	S5B10003NCC	-		
	1250		S5B12503PS0	S5B12503NS0	-		
	1600		S5B16003PS0	S5B16003NS0	-		
	1800		S5B18003PS0	S5B18003NS0	-		
	2000		S5B20003PDC	S5B20003NDC	-		

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

^{*(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 - 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 - 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.

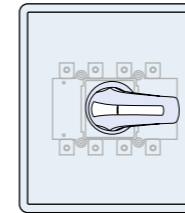
Series CIS | Enclosed switch disconnectors



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C I S 2 5 C

Series CIS25C

- Metal enclosed switch, 3P or 3P + N.
- Available from 40 A up to 3150 A.
- Protection rating IP65 - IP66.
- External padlockable handle in OFF 0 position.
- Possibility of unlocking the door in ON I position (with the use of a tool).
- Opening of the door also can be blocked by padlock in OFF 0 position.



Series CIS25C | Enclosed switch disconnectors

CIS25C S5000 Metal enclosed switches ^{*(1)} IP65 - IP66			
Size	Amp.	3 pole (3P)	4 pole (3P + N) ^{*(2)}
		Code	Code
00	40	CIS25C00403PB	CIS25C00403NB
	63	CIS25C00633PB	CIS25C00633NB
	80	CIS25C00803PB	CIS25C00803NB
0	125	CIS25C01253PB	CIS25C01253NB
	160	CIS25C01603PB	CIS25C01603NB
1	200	CIS25C02003PS	CIS25C02003NS
	250	CIS25C02503PR	CIS25C02503NR
	315	CIS25C03153PR	CIS25C03153NR
2	400	CIS25C04003PR	CIS25C04003NR
	630	CIS25C06303PR	CIS25C06303NR
3	800	CIS25C08003PR	CIS25C08003NR
	1000	CIS25C10003PS	CIS25C10003NS
4	1250	CIS25C12503PS	CIS25C12503NS
	1600	CIS25C16003PS	CIS25C16003NS
	2000	CIS25C20003PD	CIS25C20003ND
5	2500	CIS25C25003PP ^{*(3)}	CIS25C25003NP ^{*(3)}
	3150	CIS25C31503PP ^{*(3)}	CIS25C31503NP ^{*(3)}

^{*(1)} External padlockable handle in OFF 0 position.
^{*(2)} Neutral pole early make-late break.
^{*(3)} IP65.

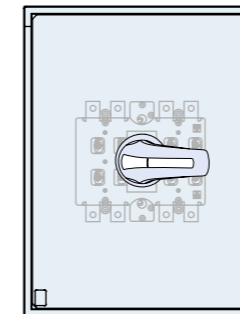
Series CTR | Enclosed changeover switches



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C T R 2 C C
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C T R 2 F C
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C T R 2 L C

Series CTR2CC - CTR2FC - CTR2LC

- Metal enclosed changeover switch 3P or 3P + N.
- Available from 63 A up to 3150 A.
- ^{4 5 6}**2 L C** S5L series from 63 up to 80 A.
- ^{4 5 6}**2 C C** CC series from 250 A up to 1250 A.
- ^{4 5 6}**2 F C** S5F series from 125 A up to 200 A and from 1600 up to 3150 A.
- Protection rating IP56 - IP66.
- External padlockable handle in OFF 0 position.



Series CTR2 | Enclosed changeover switches

CTR2__ Metal enclosed manual changeover switches ^{*(1)} IP56 - IP66			
	Amp.	3 pole (3P)	4 pole (3P + N) ^{*(2)}
		Code	Code
00	63	CTR2LC00633PB	CTR2LC00633NB
	80	CTR2LC00803PB	CTR2LC00803NB
0	125	CTR2FC01253PS	CTR2FC01253NS
	160	CTR2FC01603PS	CTR2FC01603NS
	200	CTR2FC02003PS	CTR2FC02003NS
1	250	CTR2CC02503PS	CTR2CC02503NS
	315	CTR2CC03153PS	CTR2CC03153NS
	400	CTR2CC04003PS	CTR2CC04003NS
2	500	CTR2CC05003PS	CTR2CC05003NS
	630	CTR2CC06303PS	CTR2CC06303NS
	800	CTR2CC08003PS	CTR2CC08003NS
3	1000	CTR2CC10003PS	CTR2CC10003NS
	1250	CTR2CC12503PS	CTR2CC12503NS
4	1600	CTR2FC16003PS	CTR2FC16003NS
	1800	CTR2FC18003PS	CTR2FC18003NS
	2000	CTR2FC20003PD	CTR2FC20003ND
5	2500	CTR2FC25003PP ^{*(3)}	CTR2FC25003NP ^{*(3)}
	3150	CTR2FC31503PP ^{*(3)}	CTR2FC31503NP ^{*(3)}

^{*(1)} External padlockable handle in OFF 0 position.
^{*(2)} Neutral pole early make-late break.
^{*(3)} IP56.

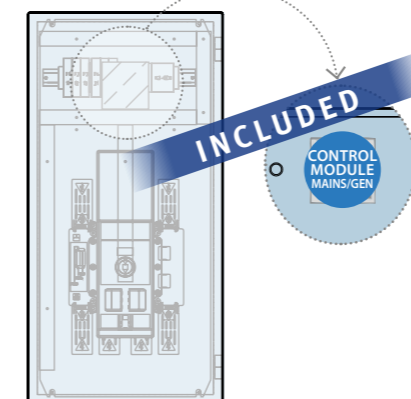
Series CTR | Enclosed changeover switches



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C T R C C C
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
C T R C F C

Series CTRCCC - CTRCFC

- Metal enclosed changeover switch 3P + N with gen-set control module integrated and motorized unit.
- Operated by motorized unit.
- Control module mounted on the door:
 - For the generators control with automatic switching Mains – Gen set.
 - Configurable through programming software.
- Available from 125 up to 2000 A.
- ^{4 5 6}**C C C** Compact model from 250 up to 1250 A.
- ^{4 5 6}**C F C** Back to back model 125 A, 1600 A, 2000 A.
- Protection rating IP54.
- Power section protected against accidental contacts.
- Manual handle included (for emergency operation or maintenance).

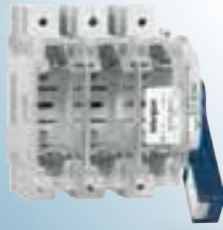


Series CTRCCC - CTRCFC | Enclosed changeover switches

CTRCC__ Metal enclosed changeover switch with motorized unit & control module IP54	
Amp.	4 pole (3P + N) ^{*(2)}
	Code
125	CTRFC01253NSBJ
200	CTRFC02003NSBJ
250	CTRCC02503NSBJ
400	CTRCCC04003NSBK
630	CTRCCC06303NSBK
1000	CTRCCC10003NSBK
1250	CTRCCC12503NSBK
1600	CTRFC16003NSBK
2000	CTRFC20003NSBK

^{*(2)} Neutral pole early make-late break.

series
M11



Modular concept
with fuses

series
M21



Compact model
with fuses

Fusible switches



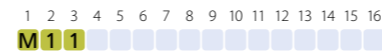
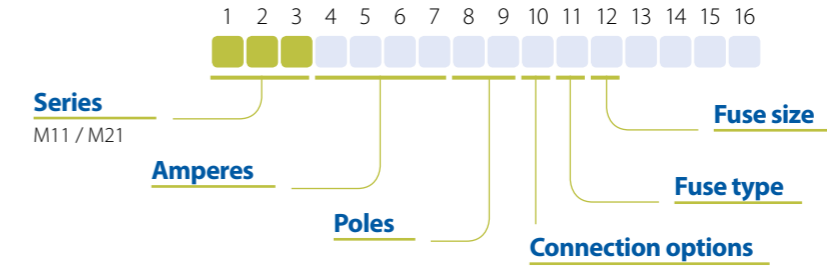
Preventive security in all these series

Neutral pole early-make & late-break for 3P + N

series
CIF



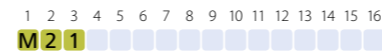
With enclosure
integrated solution



Series M11

- Fusible switch 2P, 3P or 3P + N
- 4P & 3P + NF (fixed neutral) upon request.
- Available from 50 up to 160A.

- Base mounting by screws or DIN rail mounting.
- Direct or external handle, blue or red/yellow colour.
- Models for cylindrical fuse-links, NH and BS fuses.



Series M21

- Fusible switch 3P or 3P + N
- Available from 160 up to 800A.
- Base mounting by screws.

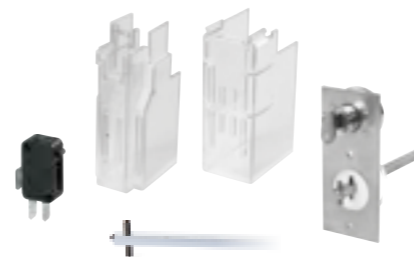
- Direct or external handle, blue or red/yellow colour.
- Grey/black nameplate.
- Models for NH and BS fuses.



Series CIF21C - CIF22C

- Metal enclosed fusible switch 3P or 3P + N.
- Available from 63 up to 800A.
- ^{4 5 6}2 1 C M11 switch from 63 up to 160A.
- ^{4 5 6}2 2 C M21 switch from 160 up to 800A.
- Protection rating IP65.

- External handle with clutch device on the door.
- Door interlock in "I" position.
- Possibility of incorporating different devices and accessories.

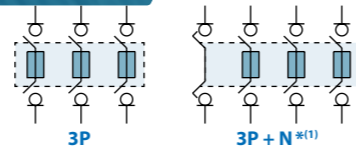


Accessories for these series

- Wide range of accessories available for all series.

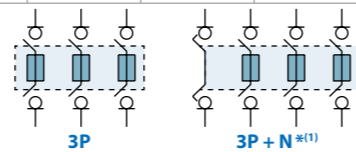
- Common accessories with screws or supplements to adapt to every switch.

Series M11 | Base mounting fusible switches



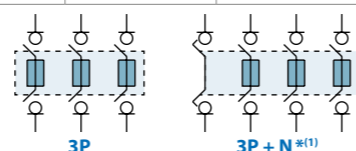
M11 Switches 2, 3 & 4 poles (32 - 160A) (O - I) For fusibles BS - NFC 14x51 - NH00C ^{*(3)}					Manual handle					
Amp.	Fuse	Size	Connection	External handle			Direct handle			
				Bipolar (2P)	3 pole (3P)	4 pole (3P + N) ^{*(1)}	Frontal ^{*(2)}	Side	Frontal	Side
				Code	Code	Code	Code	Code	Code	Code
50	14 x 51	00		M1100502PBC20	M1100503PBC20	M1100503NBC20				
63	NH00C	00		M1100632PBD80	M1100633PBD80	M1100633NBD80	DS-SA02	DM1SLB1	DM1SI01	DM1SYB1
100	NH00C	00		M1101002PBD80	M1101003PBD80	M1101003NBD80				
32	BSA1	00		M1100322PBBA0	M1100323PBBA0	M1100323NBBA0				
63	BSA2 BSA3	00		M1100632PBB80	M1100633PBB80	M1100633NBB80	DS-SA02	DM1SAB1	DM1SI01	DM1SYB1
125	22 x 58	0		M1101252PBC30	M1101253PBC30	M1101253NBC30				
125	22 x 58	0		M1101252PTC30	M1101253PTC30	M1101253NTC30				
125	NH00	0		M1101252PBD80	M1101253PBD80	M1101253NBD80	DS-SA02	DM1SLB1	DM1SI01	DM1SYB1
125	NH00	0		M1101252PTD80	M1101253PTD80	M1101253NTD80				
160	NH00	0		M1101602PBD80	M1101603PBD80	M1101603NBD80				
160	NH00	0		M1101602PTD80	M1101603PTD80	M1101603NTD80				
100	BSA2 BSA3	0		M1101002PBB00	M1101003PBB00	M1101003NBB00	DS-SA02	DM1SAB1	DM1SI01	DM1SYB1
100	BSA2 BSA3	0		M1101002PTB00	M1101003PTB00	M1101003NTB00				

Series M21 | Base mounting fusible switches



M21 Switches 3 & 4 poles (160 - 800A) (O - I) For fusibles BS - NH ^{*(3)}					Manual handle			
Amp.	Fuse	Size	Connection	3 pole (3P)	4 pole (3P + N) ^{*(1)}	External ^{*(2)}	Direct	Emergency external ^{*(2)}
				Code	Code	Code	Code	Code
160	Es NH0	1		M2101603PSD00	M2101603NSD00			
160	BSA4	1		M2101603PSB10	M2101603NSB10			
200	BSB1 BSB2	1		M2102003PSB20	M2102003NSB20	DS-SA11	DM2SI11	DS-SR11
250	BSB1 BSB2	1		M2102503PSB20	M2102503NSB20			
250	NH1	2		M2102503PSD10	M2102503NSD10			
400	NH2	2		M2104003PSD20	M2104003NSD20			
315	BSB1... BSB3	2		M2103153PSB40	M2103153NSB40	DS-LA22	DM2SI21	DS-LR22
400	BSB1... BSB4	2		M2104003PSB50	M2104003NSB50			
630	NH3	3		M2106303PSD30	M2106303NSD30			
800	NH3	3		M2108003PSD30	M2108003NSD30			
630	BSC1... BSC2	3		M2106303PSB70	M2106303NSB70	DS-LA31	DM2SI31	DS-LR31
800	BSC1... BSC3	3		M2108003PSB80	M2108003NSB80			

Series CIF | Metal enclosed fusible switches



CIF Metal enclosed model ^{*(2)} ^{*(3)} IP65						
Amp.	Fuse	Size	Connection	Series	3 pole	4 pole (3P + N) ^{*(1)}
					Code	Code
63	NH00C	00		M-11	CIF21C00633PBDB	CIF21C00633NBDB
100	NH00C	00		M-11	CIF21C01003PBDB	CIF21C01003NBDB
125	NH00	0		M-11	CIF21C01253PBDB	CIF21C01253NBDB
125	NH00	0		M-11	CIF21C01253PTDB	CIF21C01253NTDB
160	NH00	0		M-11	CIF21C01603PBDB	CIF21C01603NBDB
160	NH00	0		M-11	CIF21C01603PTDB	CIF21C01603NTDB
160	NH0	1		M-21	CIF22C01603PSD0	CIF22C01603NSD0
250	NH1	2		M-21	CIF22C02503PSD1	CIF22C02503NSD1
400	NH2	2		M-21	CIF22C04003PSD2	CIF22C04003NSD2
630	NH3	3		M-21	CIF22C06303PSD3	CIF22C06303NSD3
800	NH3	3		M-21	CIF22C08003PSD3	CIF22C08003NSD3


Size	Auxiliary contacts ^{*(5)}		Safety key lock device ^{*(6)}		Terminal shrouds ^{*(7)}			
	1NO+1NC	2NO+2NC	Simple	Double	Code	3P input	3P output	4P input/output
		Code	Code	Code ^{*(e1)}	Code ^{*(e1)}	Code	Code	Code
00	DM1AUB1	DM1AUB2	DS-CAB1	DS-CEB1		-	-	-
0	DM1AUB1	DM1AUB2	DS-CAB1	DS-CEB1	2 units DM1CU01 3 units DM1CU02	-	-	-
1	D5LAU01	D5LAU02	DS-CA11	DS-CEB1		DM2CU11	DM2CU12	DM2CU13
2	D5LAU01	D5LAU02	DS-CB21	DS-CF21		DM2CU21	DM2CU22	DM2CU23
3	D5LAU01	D5LAU02	DS-CB31	DS-CF31		DM2CU31	DM2CU32	DM2CU33

^{*(1)} Neutral pole early make-late break. Upon request also available 4P and 3P+N.
^{*(2)} Padlockable handle in OFF 0 position. Possibility of unlocking the door in ON 1 position (with the use of a tool). Also door interlock by a padlock in OFF 0 position.
^{*(3)} Fuses are not supplied.

^{*(4)} A standard shaft is included with the external handle.
^{*(5)} To be used as signalling or control contacts - Ie = 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.
^{*(6)} For external handle lockable in OFF 0 position by means of a key, that only can be removed when the handle is unlocked. Interlocking in other positions available upon request.
^{*(7)} One set for input or output.
^{*(e1)} All these codes are related to the new handle , in case of replacements for old design handles, please consult.



series **ZFV** DC
series **ZFC** DC



Modular model
DIN rail mounting

series **S5** DC



Wide range
of currents and accessories

DC Switch - disconnectors for photovoltaic installations

DC disconnectors for batteries ISOLATION ONLY

series **S5** DC
series **S6** DC



Isolation only
disconnecter for batteries

series **S6R** DC



High performance
energy efficiency
new technology

series **S6** DC

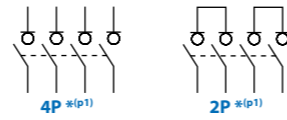


Simplified
quick connection



Series	Type of connection	Amperes	Poles	Connection options
S5- / S5M / S5N / S6- / S6N / S6R				<p>Series S5 - S5N DC Switch S5000 4P</p> <ul style="list-style-type: none"> For photovoltaic applications in direct current. U_e MAX 1000 Vdc I_e MAX 3150A DC 21B. Base mounting by screws. Direct or external handle, blue colour.
				<p>Series S6 DC Switch S6000 2P</p> <ul style="list-style-type: none"> For photovoltaic applications in direct current. U_e MAX 1000 Vdc I_e MAX 630A DC 21B. Base mounting by screws. Direct input/output connections (external bridging links are not required) Different configurations input/output. Direct or external handle, blue colour. <p>Series S6N DC Switch S6000N 1P+1P</p> <ul style="list-style-type: none"> For photovoltaic applications in direct current. U_e MAX 1500Vdc I_e MAX 400A DC21B
				<p>Series ZFC-ZFV DC Modular switch</p> <ul style="list-style-type: none"> For photovoltaic applications in direct current. U_e MAX 1000 1500 Vdc I_e MAX 55 25A DC 21B. Base mounting by screws or DIN rail mounting. Direct or external handle, black colour. Other options, please consult.
				<p>Series S5M DC - S5N DC Switch S5000 4P + 4P</p> <ul style="list-style-type: none"> For photovoltaic applications in direct current. U_e MAX 1500 Vdc I_e MAX 1800A DC 21B. Base mounting by screws. Direct or external handle, blue colour.
				<p>Series S6R Switch S6000 1P & 2P High performance</p> <ul style="list-style-type: none"> For photovoltaic applications in different current. U_e MAX 1500 Vdc I_e MAX 400A UL98B. Simplified connection. Base mounting by screws. Direct input/output connections (external bridging links are not required). Diferent configurations. External handle, blue colour. Low power losses
				<p>Series S5 DC - S6 DC Disconnecter S5000 - S6000 1P & 2P U_e MAX 1500 Vdc I_e MAX 3150A DC 20A.</p> <ul style="list-style-type: none"> For battery applications in direct current. Base mounting by screws. Direct or external handle, blue colour.

Series S5 - S5N DC 1000VDC | Base mounting switches

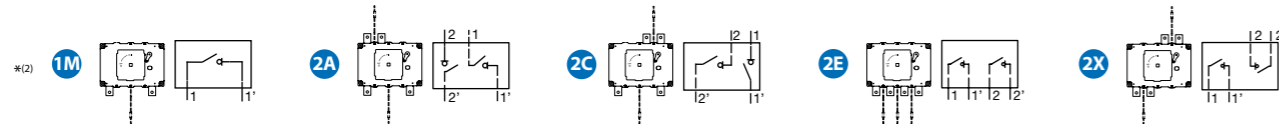


S5 - S5N DC Switches S5000 (40 - 3150 A) (O-I)					Manual handle		
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	4 pole (4P) ^{*(p1)}			
				Code	External ^{*(1)} Code	Direct Code	
900V DC21B	40	0		S5-01604PB0	DS-SA01	DS-SI01	
	40			S5-01604PS0			
1000V DC21B	100	1		S5-01254PR0	DS-SA11	DS-SI11	
	160			S5-02004PR0			
	250			S5-03154PR0			
	400			S5-04004PC0			
	500	2		S5-06304PR0	DS-LA21	DS-LI21	
	630			S5-06302EC0			
	850	3		S5-12504PC0	DS-LA31	DS-LI31	
	1250			S5-12502EC0			
					2 pole (2P) ^{*(p1)}		
	1000V DC21B	1800	4 (S5)		S5-18002ES0	DS-LA41	DS-LI41
2000		S5-20002ED0					
2000		5 (S5N)		S5N20002ES0	DS-LA41	DS-LI41	
2500				S5N25002ES0			
3150				S5N31502ES0			

Series S6 DC 1000VDC | Base mounting switches



S6 DC Switches S6000 2 poles (125 - 630 A) (O-I)						Manual handle	
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Diagram 2C ^{*(2)}	Diagram 2E ^{*(2)}	External ^{*(1)} Code	Direct Code
				Code	Code		
1000V DC21B	125	1		S6-01252CS0	S6-01252ES0	DS-SA11	DS-SI11
	160			S6-01602CS0	S6-01602ES0		
	200			S6-02002CS0	S6-02002ES0		
	250			S6-02502CS0	S6-02502ES0		
	315			S6-03152CS0	S6-03152ES0		
	400			S6-04002CD0	S6-04002ED0		
	500			S6-05002CS0	S6-05002ES0		
630	S6-06302CS0	S6-06302ES0					

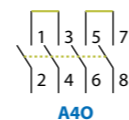


Series ZFV - ZFC DC 1000 - 1500VDC | Base mounting modular switches



ZFC DC DIN rail base mounting switches with direct handle - compact model (16 - 25 A) (O-I)				
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Code
1500Vdc DC21B	16	00		ZFC16SMAH1A40
	25			ZFC25SMAH1A40

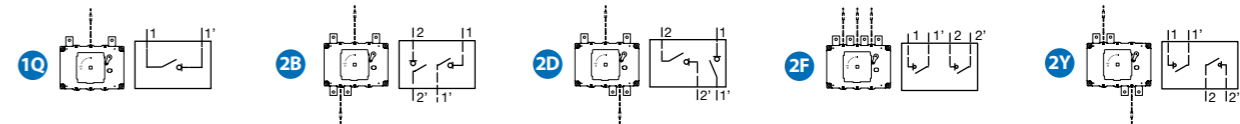
ZFV DC DIN rail base mounting switches with direct handle ^{*(3)} (32 - 55 A) (O-I)				
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Code
1000V DC21B	32	00		ZFV32SMAH1A40
	40			ZFV40SMAH1A40
	55			ZFV55SMAH1A40



Size	□	Extended shafts ^{*(3)}		Bridging links ^{*(p1)}		Terminal protection		Terminal shrouds (2 units) ^{*(4)}	
		Type 1 & 2	Code ^{*(e1)}	Code 2 units	Connection	Code	Code		
0	7	L	Code ^{*(e1)}			DS-CU01	-	-	
		250	DS-EP04						DS-PI05
1	10	387	DS-EP05			DS-CU12	-	DS-CU10 DS-CU11 DS-CU18 DS-CU19	
		375	DS-EP14						DS-PI11
		536	DS-EP15						DS-PI11
			DS-PI14						DS-PI14
2	14	345	DS-EP23			-	-	DS-CU20 DS-CU21 DS-CU28 DS-CU29	
		535	DS-EP24						DS-PI21
3	14	345	DS-EP23			-	-	DS-CU30 DS-CU31 DS-CU38 DS-CU39	
		535	DS-EP24						DS-PI31
4 (S5)	14	485	DS-EP44			-	-	-	
		635	DS-EP45						DS-PI4D
5 (S5N)	-	-	-			-	-	-	
5 (S5N)	-	-	-			-	-	-	
						-	-	-	



Size	□	Extended shafts ^{*(3)}		Auxiliary contacts ^{*(6)}		Safety key lock device ^{*(7)}		Spacers (4 units)	Phase barriers (2 or 3 units)		Terminal shrouds (1 unit) ^{*(4)}
		Type 1 & 2	Code ^{*(e1)}	1NO+1NC	2NO+2NC	Simple	Double	Code	Diagram C	Diagram E	Code
1	10	L	Code ^{*(e1)}	D5LAU01	D5LAU02	DS-CA11	DS-CE11	DR-EL11	DR-SF12	DR-SF13	DR-CU13
		375	DS-EP14								
2	14	536	DS-EP15	D5LAU01	D5LAU02	DS-CB21	DS-CF21	DR-EL21	DR-SF22	DR-SF23	DR-CU23
		345	DS-EP23								
		535	DS-EP24								



^{*(1)} 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.

^{*(2)} Others configurations are available according to indicated diagrams, please consult.

^{*(p1)} To comply with the operation and electrical features, these bridging links must be assembled to the switch. See catalogue to choose the configuration needed, according to the required connection diagram, 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.

^{*(3)} A standard shaft is included with the external handle.

^{*(4)} One set for input or output. Only for switches . See catalogue to choose the combination required.

^{*(5)} 4 units.

^{*(6)} To be used as signalling or control contacts - Ie = 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.

^{*(7)} Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked. Interlocking in other positions available upon request.

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

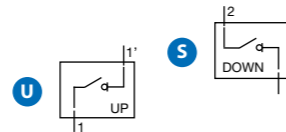


Series S6N DC 1500VDC | Base mounting switches 1P+1P



S6N DC

S6N DC Switches S6000 1+1 poles (125 - 400A) (O-I)					Manual handle		
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	1P + 1P			
				Code US	External ^{*(1)}	Direct	
1500V DC21B	125	1		S6N0125USS0	DS-SA11	DS-SI11	
	160			S6N0160USS0			
	200			S6N0200USS0			
	250			S6N0250USS0			
	315			S6N0315USS0			
400	S6N0400USD0						

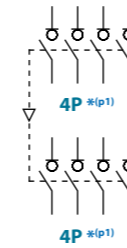


Series S5M - S5N DC 1500VDC | Base mounting switches 4P+4P



S5M DC

S5M - S5N DC Switches S5000 4+4 poles (500 - 1800 A) (O-I)					Manual handle		
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	4P + 4P ^{*(p1)}			
				Code	External ^{*(1)}	Direct	
1500V DC21B	500	2		S5M063044R0	DS-LA22	DS-LI22	
	630			S5M080044C0			
	800	3		S5M080044R0	DS-LA41	DS-LI41	
	1000			S5M125044C0			
	1250	4 (S5N)		S5N160044S0	DS-LA41	DS-LI41	
	1800			S5N180044S0			

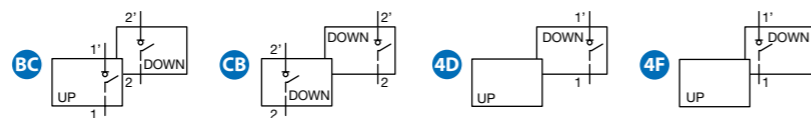


Series S6R 1500VDC | Base mounting switches 1P & 2P



S6R DC

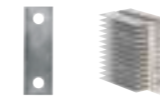
S6R DC Switches S6000 1 - 2 poles (250 - 400 A) (O-I)							
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	2P		1P	
				Code BC	Code CB	Code 4D	Code 4F
1500Vdc UL98B	250	1		S6R0250BCS00L	S6R0250CBS00L	S6R02504DS00L	S6R02504FS00L
	320			S6R0320BCS00L	S6R0320CBS00L	S6R03204DS00L	S6R03204FS00L
	400			S6R0400BCD00L	S6R0400CBD00L	S6R04004DD00L	S6R04004FD00L



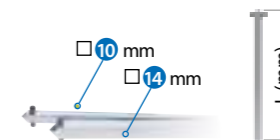
^{*(1)} Padlockable handle in OFF 0 position. Possibility of unlocking the door in ON I position (with the use of a tool). Door interlock by a padlock in OFF 0 position.
^{*(p1)} To comply with the operation and electrical features, these bridging links must be assembled to the switch. See catalogue to choose the configuration needed according to the required connection diagram, 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 ^{*(2)}		Terminal shrouds (1 unit) ^{*(3)}
	1NO+1NC	2NO+2NC	Code
1	D5LAU01	D5LAU02	DR-CU13



Size	Bridging links ^{*(p1)}		Auxiliary contacts ^{*(2)}		Safety key lock device ^{*(4)}		Terminal shrouds ^{*(3)} (2 units)
	Code 2 units	Code 3 units	1NO+1NC	2NO+2NC	Simple	Double	Code
2	DS-PI230L DS-PI2D	-	DS-AU11	DS-AU12	DS-CB21	DS-CF21	-
3	DS-PI3D	-	DS-AU11	DS-AU12	DS-CB41	DS-CF41	-
4 (S5N)	DS-PI4D	DS-PI430U	D5LAU01	D5LAU02	DS-CB41	DS-CF41	DS-CU400U DS-CU480U



Size	Manual handle	Extended shafts ^{*(6)}		Auxiliary contacts ^{*(2)}	
	External ^{*(5)}	Type 1 & 2		1NO+1NC	2NO+2NC
1	DS-SA11	10	L 375 536	Code ^{*(e1)} DS-EP14 DS-EP15	D5LAU01 D5LAU02

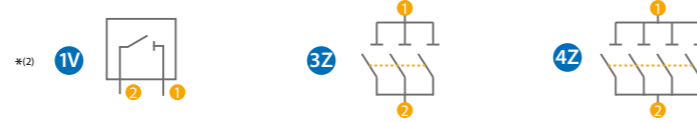
^{*(2)} To be used as signalling or control contacts – Ie = 16A (resistive loads) 4A (inductive loads) at 250 Vac. Whilst closing, it switches after the main contacts. Whilst opening, it switches before the main contacts.
^{*(3)} One set for input or output.
^{*(4)} Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked. Interlocking in other positions available upon request.
^{*(5)} 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.
^{*(6)} A standard shaft is included with the external handle.
^{*(p2)} See catalogue to choose the configuration needed, according to the required connection diagram.
^{*(e1)} All these codes are related to the new handle , in case of replacements for old design handles, please consult.



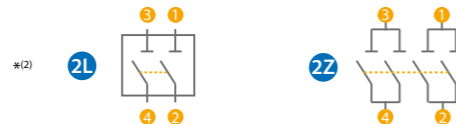
Series S5 - S6 DC 1500VDC | Base mounting disconnectors ISOLATION ONLY



S5 - S6 DC Disconnectors 1 pole (160 - 2000 A) (O-I)						Manual handle ISOLATION ONLY	
Rated operational voltage Ue	Rated operational current (A)	Size	Connection	Unipolar (1P) ^{*(p1)}		External ^{*(1)}	Direct
				Code	Diagram		
1500V DC20A	160	1		S6-01601VS0P38	1V	DS-SA11T	DS-SI11T
	200			S6-02001VS0P38	1V		
	250			S6-02501VS0P38	1V		
	400			S6-04001VD0P38	1V		
	800	1		S5-04003ZC0P38	3Z	DS-SA11T	DS-SI11T
	1000			S5-04004ZC0P38	4Z		
	630	2		S6-06301VS0P38	1V	DS-LA21T	DS-LI21T
	1600			S5-08004ZC0P38	4Z		
	2000	3		S5-12504ZC0P38	4Z	DS-LA31T	DS-LI31T



S5 - S6 DC Disconnectors 2 poles (160 - 2000 A) (O-I)						Manual handle ISOLATION ONLY	
Rated operational voltage Ue	Rated operational current (A)	Size	Connection	Bipolar (2P) ^{*(p1)}		External ^{*(1)}	Direct
				Code	Diagram		
1500V DC20A	160	1		S6-01602LS0P38	2L	DS-SA11T	DS-SI11T
	200			S6-02002LS0P38	2L		
	250			S6-02502LS0P38	2L		
	400			S6-04002LD0P38	2L		
	630	2		S6-06302LS0P38	2L	DS-LA21T	DS-LI21T
	800			S6-08002LD0P38	2L		
	1600	3		S5-12504ZC0P38	2Z	DS-LA31T	DS-LI31T
	2500	4		S5-16004ZS0P38	2Z	DS-LA41T	DS-LI41T
	3150			S5-18004ZS0P38	2Z		



^{*(1)} 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.

^{*(2)} Other configurations are available, please consult.

^{*(p1)} To comply with the operation and electrical features the S5- switches must be assembled with these bridging links. See catalogue to choose the configuration needed according to the required connection diagram, 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	□	Extended shafts ^{*(3)}		Bridging links ^{*(p2)}	Code	Auxiliary contacts ^{*(4)}		Phase barriers		Spacers (4 units)	Terminal protection ^{*(5)}	Terminal shrouds ^{*(5)}
		Type 1 & 2				1NO+1NC	2NO+2NC	1 unit	2 units			
		L	Code			Code	Code	Code	Code			
1	10	375	DS-EP14	-	D5LAU01	D5LAU02	DR-SF11	DR-SF12	DR-EL11	-	DR-CU11	
		536	DS-EP15									
1	10	375	DS-EP14	DS-PI1G DS-PI1H	D5LAU01	D5LAU02	-	-	-	-	DS-CU12	-
		536	DS-EP15									
2	14	345	DS-EP23	-	D5LAU01	D5LAU02	DR-SF21	DR-SF22	DR-EL21	-	DR-CU21	-
		535	DS-EP24									
3	14	345	DS-EP23	DS-PI3H	D5LAU01	D5LAU02	-	-	-	-	-	-
		535	DS-EP24									



Size	□	Extended shafts ^{*(3)}		Bridging links ^{*(p2)}	Code	Auxiliary contacts ^{*(4)}		Phase barriers		Spacers (4 units)	Terminal shrouds ^{*(5)}
		Type 1 & 2				1NO+1NC	2NO+2NC	1 unit	2 units		
		L	Code			Code	Code	Code	Code		
1	10	375	DS-EP14	-	D5LAU01	D5LAU02	DR-SF11	DR-SF12	DR-EL11	DR-CU11	
		536	DS-EP15								
2	14	345	DS-EP23	-	D5LAU01	D5LAU02	DR-SF21	DR-SF22	DR-EL21	DR-CU21	
		535	DS-EP24								
3	14	345	DS-EP23	DS-PI3Lx2	D5LAU01	D5LAU02	-	-	-	-	
		535	DS-EP24								
4	14	485	DS-EP44	DS-PI4Kx2	D5LAU01	D5LAU02	-	-	-	-	
		635	DS-EP45								

^{*(3)} A standard shaft is included with the external handle.

^{*(4)} To be used as signalling or control contacts - Ie = 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.

^{*(5)} One unit for input or output.

^{*(p2)} For S5-switches, see catalogue to choose the configuration needed according to the connection diagram, please consult.

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» **MAINTENANCE RECOMMENDATIONS:**

Electrical installations and their components should be periodically inspected to check they are in good condition. Operability of switches should be checked after an incident, during maintenance or due to ageing.

Tightening torque of electrical connections should be revised as vibrations in the environment and electrical conductivity may loose them affecting to the performance and durability of all components as well.

Not performing preventive maintenance may damage and spoil parts, systems and machines. Moreover it can also cause accidents and injure people.

Before working on equipment or components which may be electrically live, the appropriate safety cautions must be taken by operators, end-users or other staff. Right personal protective equipment (e.g. safety clothes, gloves, goggles, helmet, insulating footwear) should be used, and the appropriate tools for the operation. At the same time, caution measures should be taken to prevent damages to third parties such as warning signs, barriers, mechanical locks, etc.

Prior to use any protective equipment or tools, they must be checked to be in good condition.

Maintenance or repair works should be performed in areas not electrically live by qualified and authorized staff following the applicable regulations and good practices.

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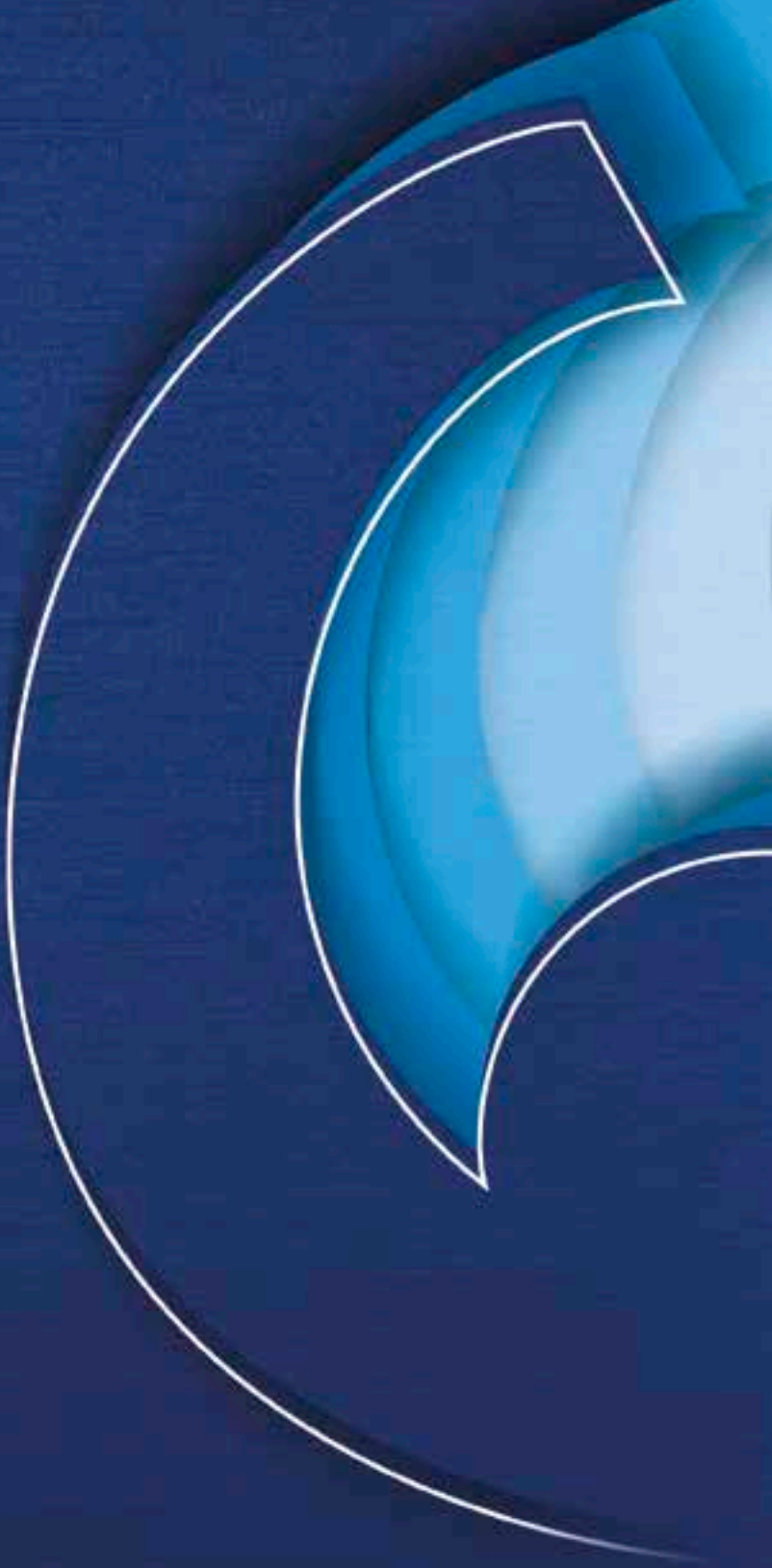
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February 2018

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