telergon
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Quick selection guide 2018

AC DC

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

Ctra. Castellón (Pgno. La Cartuja)
50720 La Cartuja Baja
Zaragoza-Spain
Tel.: (+34) 976 50 08 76
Fax: (+34) 976 50 03 14

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www.telergon.com

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

Parque Empresarial Boroa,
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pnt@pronutec.com
www.pronutec.com

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

Am Hohen Rain 2
89347 Bubesheim
Tel: (+ 49) 8221 9016-0
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sales@tripus.de
www.tripus.de

merytronic
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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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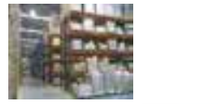

pronutec GmbH
gorlan team

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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plastibor
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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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www.plastibor.com

inaselec
gorlan team

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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26200 Haro, La Rioja-Spain
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gorlan Polska
team

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

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gorlan Shanghai
team

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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Pudong. Shanghai 200120-China
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gorlan India
team

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

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 and handle with clutch device ø22.

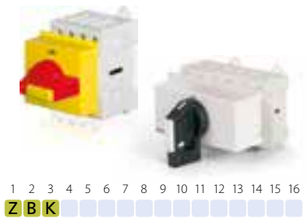
- Available from 20 up to 125A 3P - 3P+N. from 25 up to 80A 6P - 8P.
- Two sizes of padlockable external handles with clutch devices.
- Possibility of incorporating auxiliary terminals and other accessories.
- Shaft extension depth-adjustable.

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.

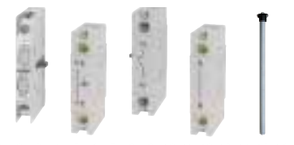
- Available from 20 up to 63A.
- Modular padlockable direct handle.
- Supplied with bridging links included.
- Possibility of incorporating auxiliary terminals and other accessories.

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

Accessories for these series

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

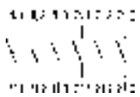
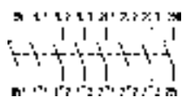
Series ZBK | Switches and accessories

		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 ⍁ (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 base mounting switch with padlockable handle with clutch device			
		Red - Yellow		Black	
		3P	3P+N *(1)	3P	3P+N *(1)
Amp	Plate ⍁ (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 base mounting switch with padlockable handle with clutch device			
		Red - Yellow		Black	
		6P	8P *(2)	6P	8P *(2)
Amp	Plate ⍁ (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).

Series ZBK | Switches and accessories

		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 ⍁ (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 door mounting by 4 screws with padlockable handle IP66			
		Red - Yellow		Black	
		3P	3P+N *(1)	3P	3P+N *(1)
Amp	Plate ⍁ (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	ZBK125EH1A4

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

ZBK | Accessories

		Auxiliary contacts		PE - Terminal	N - Terminal		N - Fixed neutral	Extended shaft	
		1NO+1NC	1NO+1NC overlapped					L (mm)	
For currents A (Ith)		20 - 125	20 - 125	20 - 80	20 - 40	63 - 80	20 - 80	20 - 125	L
Code		ZBKLH11	ZBKLH11X	ZBKPE80V	ZBKN40V	ZBKN80V	ZBKPEN80V	ZBK-0002	200
								ZBK-0003	300
		ZBKLH11	ZBKLH11X	ZBKPE80E	ZBKN40E	ZBKN80E	ZBKPEN80E	-	-

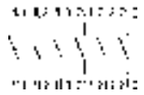
Other options also available upon request:

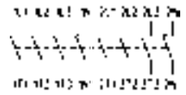
- Products with customized shaft dimensions (max. L = 400mm)
- Products for door mounting ø 22
- Terminal shrouds

Series ZBK | Switches, changeover 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

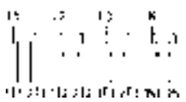
*(1) Neutral pole early make and late break.





			Switch O - I DIN rail mounting with modular padlockable handle IP40			
			Red - Yellow		Black	
		6P	8P	6P	8P *(2)	6P	8P *(2)
Amp	Plate (mm)		Code	Code	Code	Code
25	52x45	97x45	ZBK25SMAHN1A6	ZBK25SMAHN1A8	ZBK25SMAH1A6	ZBK25SMAH1A8
40	52x45	97x45	ZBK40SMAHN1A6	ZBK40SMAHN1A8	ZBK40SMAH1A6	ZBK40SMAH1A8
80	97x45	126x45	ZBK80SMAHN1A6	ZBK80SMAHN1A8	ZBK80SMAH1A6	ZBK80SMAH1A8

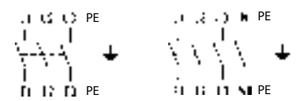
*(2) 6P + 2N Neutral poles early make and late break.



		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

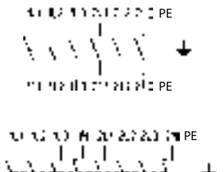
*(1) Neutral pole early make and late break.
(Supplied with bridging links included).
(Also available in plastic enclosure - upon request).

Series ZBK | Switches and accessories



		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 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.

ZBK | Accessories

	Auxiliary contacts		PE - Terminal	N - Fixed neutral
	1NO+1NC	1NO+1NC overlapped		
For currents A (Ith)	20 - 125	20 - 125	20 - 80	20 - 80
Code	ZBKLH11	ZBKLH11X	ZBKPE80V	ZBKPEN80V

Other options also available upon request:
- Terminal shrouds
- Changeover switches 3P

Handles

Panel assembly
by four fixing points

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)

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 — *Double lever*

Direct handle Size: 00 0 1 2 — 3 4 5

External handle Size: 00 0 1 2 — 3 4 5

Emergency external handle Size: 00 0 1 2 — 3 4 5

Changeover switches

Single lever — *Double lever*

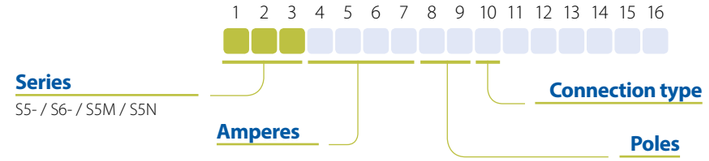
Direct handle Size: 00 0 1 2 — 3 4 5

External handle Size: 00 0 1 2 — 3 4 5

Switch - disconnectors

Preventive security in all these series

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



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

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.

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

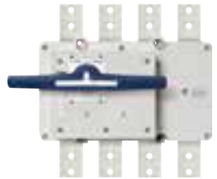
Series S6

- 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.

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

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.



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

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.

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

Series UM-S

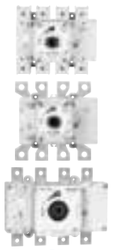
- Motorized unit kit 0 - 1
  For S5000 from 250A up to 3150A.
  For S6000 from 200A up to 800A.
  For S5000M-N from 125A up to 2000A depending on the series.
- Two housings.
- One or two voltages depending on model 120 - 230Vac
  (for dc values, please consult).
- Handle for manual operating included.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

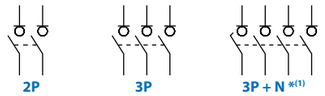
Series S5 - S5N | Base mounting switches

MOTORIZED HANDLE AVAILABLE KIT UM - SEE PAGE 20 -



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		S5-00403PB0	S5-00403NB0	DS-SA01	DS-SI01	DS-SR01
63			S5-00633PB0	S5-00633NB0			
80			S5-00803PB0	S5-00803NB0			
125	0		S5-01253PB0	S5-01253NB0	DS-SA01	DS-SI01	DS-SR01
125			S5-01253PS0	S5-01253NS0			
160			S5-01603PB0	S5-01603NB0			
160			S5-01603PS0	S5-01603NS0			
200			S5-02003PS0	S5-02003NS0			
250			S5-02503PD0	S5-02503ND0			
250	1		S5-02503PR0	S5-02503NR0	DS-SA11	DS-SI11	DS-SR11
315			S5-03153PR0	S5-03153NR0			
400			S5-04003PC0	S5-04003NC0			
500	2		S5-05003PR0	S5-05003NR0	DS-LA21	DS-LI21	DS-LR21
630			S5-06303PR0	S5-06303NR0			
800			S5-08003PC0	S5-08003NC0			
800	3		S5-08003PR0	S5-08003NR0	DS-LA31	DS-LI31	DS-LR31
1000			S5-10003PC0	S5-10003NC0			
1250			S5-12503PC0	S5-12503NC0			
1000	4		S5-10003PS0	S5-10003NS0	DS-LA41	DS-LI41	DS-LR41
1250			S5-12503PS0	S5-12503NS0			
1600			S5-16003PS0	S5-16003NS0			
1800			S5-18003PS0	S5-18003NS0			
2000			S5-20003PD0	S5-20003ND0			
2000	4 (S5N)		S5N20003PS0	S5N20003NS0	DS-LA41	DS-LI41	DS-LR41
2500			S5N25003PS0	S5N25003NS0			
3150			S5N31503PS0	S5N31503NS0			
4000	6		S5-40003PP0	S5-40003NP0	DS-EN61 *(3)	-	-
5000			S5-50003PP0	S5-50003NP0			
6300			S5-63003PP0	S5-63003NP0			

Series S6 | Base mounting switches

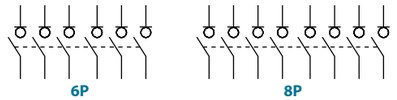


MOTORIZED HANDLE AVAILABLE KIT UM - SEE PAGE 20 -

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	Code	Code	Code
200	1		S6-02002PS0	S6-02003PS0	S6-02003NS0	DS-SA11	DS-SI11	DS-SR11
250			S6-02502PS0	S6-02503PS0	S6-02503NS0			
315			S6-03152PS0	S6-03153PS0	S6-03153NS0			
400			S6-04002PD0	S6-04003PD0	S6-04003ND0			
500	2		S6-05002PS0	S6-05003PS0	S6-05003NS0	DS-LA21	DS-LI21	DS-LR21
630			S6-06302PS0	S6-06303PS0	S6-06303NS0			
800			S6-08002PD0	S6-08003PD0	S6-08003ND0			

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

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



MOTORIZED HANDLE AVAILABLE KIT UM - SEE PAGE 20 -

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	Code	Code	Code
125	0		S5M01256PS0	S5M01258PS0	DS-LA01	DS-SI01	DS-LR01
160			S5M01606PS0	S5M01608PS0			
200			S5M02006PS0	S5M02008PS0			
250	1		S5M02506PR0	S5M02508PR0	DS-LA12	DS-LI12	DS-LR12
315			S5M03156PR0	S5M03158PR0			
400			S5M04006PC0	S5M04008PC0			
500	2		S5M05006PR0	S5M05008PR0	DS-LA22	DS-LI22	DS-LR22
630			S5M06306PR0	S5M06308PR0			
800	3		S5M08006PR0	S5M08008PR0	DS-LA41	DS-LI41	DS-LR41
1000			S5M10006PC0	S5M10008PC0			
1250	4 (S5N)		S5N12506PS0	S5N12508PS0	DS-LA41	DS-LI41	DS-LR41
1600			S5N16006PS0	S5N16008PS0			
1800			S5N18006PS0	S5N18008PS0			
2000			S5N20006PD0	S5N20008PD0			

*(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.

	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)
										Up	Down	Up & Down	
Size	□	Type 1 & 2		1NO+1NC	2NO+2NC	Only switches	Simple	Double	Code	3P	3P	4P	Only switches
		L	Code *(e1)	Code	Code	Code	Code *(e1)	Code *(e1)		Code	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	-	-	-	-
		387	DS-EP05							DS-CU02	DS-CU03	DS-CU04	
										-	-	-	
										DS-CU02	DS-CU03	DS-CU04	
										DS-CU05	DS-CU06	DS-CU07	
										DS-CU05	DS-CU06		
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	-	-	-	-	-

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)			
	L	Code *(e1)	Code	Code	Code *(e1)	Code *(e1)	Code	Code	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											

	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)	
						Up	Down	Up & Down			
Size	1NO+1NC	2NO+2NC	Simple	Double	Code	3P	3P	4P	Only switches	3P	4P
	Code	Code	Code *(e1)	Code *(e1)		Code	Code	Code	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 , 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

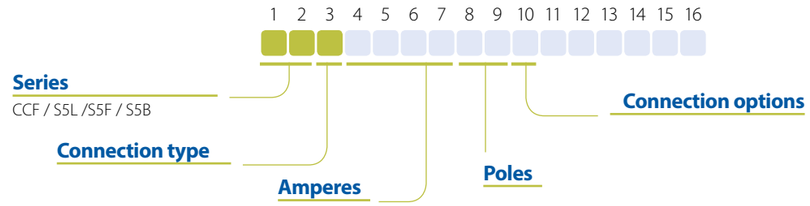
Neutral pole early-make & late-break for 3P + N

series UM-C

Motorized unit kit
automatic operating

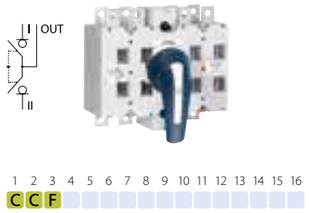
series S5B

Bypass
Wide range of currents



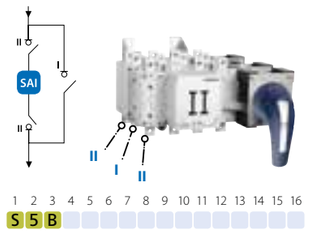
Series S5F - S5L

- Changeover S5000 3P or 3P + N
- Available in two series:
  1 2 3 S 5 L 40-63-80-125-160A.
  1 2 3 S 5 F 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.



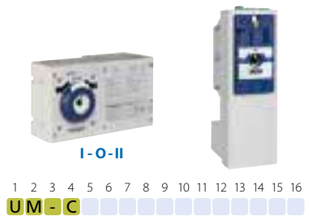
Series CCF

- 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 I+II II available upon request.



Series UM-C

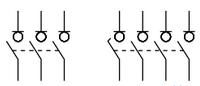
- Motorized unit kit 1 - 0 - 2
  For S5000F from 125A up to 200A. from 1600A up to 3150A.
  For CCF from 200A up to 1250A.
  For S5000B from 125A up to 2000A.
- Two housings.
- One or two voltages depending on model 120 - 230Vac (for dc values, please consult).
- Handle for manual operating included.

(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.

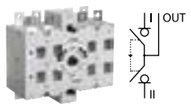
Series S5F - S5L - CCF |
Base mounting changeover switches



MOTORIZED HANDLE AVAILABLE KIT UM - SEE PAGE 21 -

S5F

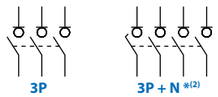
S5L



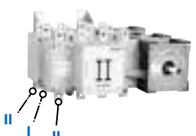
CCF

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	Code	Code	L / Code *(e1)
40	00		S5L	S5L00403PB0	S5L00403NB0	D5LLA01	D5LSI01	7 / 250 / DS-EP04
63	00		S5L	S5L00633PB0	S5L00633NB0	D5LLA01	D5LSI01	7 / 387 / DS-EP05
80	00		S5L	S5L00803PB0	S5L00803NB0	D5LLA01	D5LSI01	7 / 387 / DS-EP05
125	0		S5F	S5F01253PS0	S5F01253NS0	D5LLA01	D5LSI01	7 / 250 / DS-EP04
125	0		S5L	S5L01253PB0	S5L01253NB0	D5LLA01	D5LSI01	7 / 250 / DS-EP04
160	0		S5F	S5F01603PS0	S5F01603NS0	D5LLA01	D5LSI01	7 / 387 / DS-EP05
160	0		S5L	S5L01603PB0	S5L01603NB0	D5LLA01	D5LSI01	7 / 387 / DS-EP05
200	0		S5F	S5F02003PS0	S5F02003NS0	D5LLA01	D5LSI01	7 / 387 / DS-EP05
200	1		CCF	CCF02003PS0	CCF02003NS0	DCCLA11	DCCLI11	10 / 376 / DS-EP14
250	1		CCF	CCF02503PS0	CCF02503NS0	DCCLA11	DCCLI11	10 / 376 / DS-EP14
315	1		CCF	CCF03153PS0	CCF03153NS0	DCCLA11	DCCLI11	10 / 536 / DS-EP15
400	1		CCF	CCF04003PS0	CCF04003NS0	DCCLA11	DCCLI11	10 / 536 / DS-EP15
500	2		CCF	CCF05003PS0	CCF05003NS0	DCCLA21	DCCLI21	14 / 345 / DS-EP23
630	2		CCF	CCF06303PS0	CCF06303NS0	DCCLA21	DCCLI21	14 / 345 / DS-EP23
800	2		CCF	CCF08003PS0	CCF08003NS0	DCCLA21	DCCLI21	14
1000	3		CCF	CCF10003PS0	CCF10003NS0	DCCLA31	DCCLI31	14 / 345 / DS-EP23
1250	3		CCF	CCF12503PS0	CCF12503NS0	DCCLA31	DCCLI31	14 / 535 / DS-EP24
1600	4		S5F	S5F16003PS0	S5F16003NS0	D5LLA31	D5LLI32	- / - / -
1800	4		S5F	S5F18003PS0	S5F18003NS0	D5LLA31	D5LLI32	- / - / -
2000	4		S5F	S5F20003PD0	S5F20003ND0	D5LLA31	D5LLI32	- / - / -
2000	5		S5F	S5F20003PP0	S5F20003NP0	D5LEN51	DS-EI61	- / - / -
2500	5		S5F	S5F25003PP0	S5F25003NP0	D5LEN51	DS-EI61	- / - / -
3150	5		S5F	S5F31503PP0	S5F31503NP0	D5LEN51	DS-EI61	- / - / -

Series S5B | Base mounting bypass changeover switches



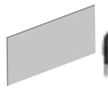
MOTORIZED HANDLE AVAILABLE KIT UM - SEE PAGE 21 -



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	Code	Code
125	0		S5B01253PS0	S5B01253NS0	D5LLA01	D5LSI02
160	0		S5B01603PS0	S5B01603NS0	D5LLA01	D5LSI02
200	0		S5B02003PS0	S5B02003NS0	D5LLA01	D5LSI02
250	1		S5B02503PR0	S5B02503NR0	D5LLA11	D5LLI12
315	1		S5B03153PR0	S5B03153NR0	D5LLA11	D5LLI12
400	1		S5B04003PC0	S5B04003NC0	D5LLA11	D5LLI12
500	2		S5B05003PR0	S5B05003NR0	D5LLA21	D5LLI22
630	2		S5B06303PR0	S5B06303NR0	D5LLA21	D5LLI22
800	3		S5B08003PR0	S5B08003NR0	D5LLA31	D5LLI32
1000	3		S5B10003PC0	S5B10003NC0	D5LLA31	D5LLI32
1250	4		S5B12503PS0	S5B12503NS0	D5LLA31	D5LLI32
1600	4		S5B16003PS0	S5B16003NS0	D5LLA31	D5LLI32
1800	4		S5B18003PS0	S5B18003NS0	D5LLA31	D5LLI32
2000	4		S5B20003PD0	S5B20003ND0	D5LLA31	D5LLI32

*(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:
S5F (I - II) = S5D _ _ _ _ _.
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.



Size	Auxiliary contacts *(6) 1NO+1NC	Auxiliary contacts *(6) 2NO+2NC	Safety *(7) key lock device Simple	Safety *(7) key lock device Double	Rear protective plate	Bridging links	Terminal shrouds *(8) (2 units) 3P input	3P common output	4P input position I & II	4P common output	Terminal shrouds *(8) (3P - 1 unit | 4P - 2 units) Up (3P)	Down (3P)	Up & Down Frontal poles only (4P)	Phase barrier *(8) 3P	4P
	Code	Code	Code *(e1)	Code *(e1)	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code
00	D5LAU01	D5LAU02	D5LCBB1	D5LCEB1	-	D5LPCB1	-	-	-	-	-	-	-	-	-
0	S5F DS-AU11 / S5L D5LAU01	S5F DS-AU12 / S5L D5LAU02	D5LCBB1	D5LCEB1	-	S5F D5LPC03 / S5L D5LPC01	-	-	-	-	DS-CU02 / DS-CU02 / DS-CU05	DS-CU03 / DS-CU03 / DS-CU06	DS-CU04 / DS-CU04 / DS-CU07	DS-PB01 / DS-PB01 / DS-PB04	DS-PB02 / DS-PB02 / DS-PB03
1	D5LAU01	D5LAU02	D5LCB11	D5LCF11	3P DCCPP11 / 4P DCCPP12	-	position I DM2CU12 / position II DM2CU11	DCCCU11	DM2CU13	DCCCU12	-	-	-	-	-
2	D5LAU01	D5LAU02	D5LCB21	D5LCF21	3P DCCPP21 / 4P DCCPP22	-	position I DM2CU22 / position II DM2CU21	DCCCU21	DM2CU23	DCCCU22	-	-	-	-	-
3	D5LAU01	D5LAU02	D5LCB31	D5LCF31	3P DCCPP31 / 4P DCCPP32	-	position I DM2CU32 / position II DM2CU31	DCCCU31	DM2CU33	DCCCU32	-	-	-	-	-
4	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	D5LPC42		-	DS-CU41	DS-CU41	-	-	-	-	-
5	DS-AU11	DS-AU12	D5LCB41	D5LCF41	-	-		-	-	-	-	-	-	-	-

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

Terminal protection for S5F Size 0
Code DS-CU01: One unit for input or output.

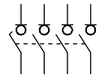
Size	Auxiliary contacts *(6) 1NO+1NC	Auxiliary contacts *(6) 2NO+2NC	Safety key lock device *(7) Simple	Safety key lock device *(7) Double	Terminal *(8) protection Code	Terminal shrouds *(8) (2 units) Only switches	Terminal shrouds *(8) (3P - 1 unit | 4P - 2 units) Up (3P)	Down (3P)	Up & Down Frontal poles only (4P)
	Code	Code	Code *(e1)	Code *(e1)	Code	Code	Code	Code	Code
0	DS-AU11	DS-AU12	D5LCBB1	D5LCFB1	DS-CU01	-	DS-CU02 / DS-CU05	DS-CU03 / DS-CU06	DS-CU04 / DS-CU07
1	DS-AU11	DS-AU12	D5LCB11	D5LCF11	DS-CU12	DS-CU11	-	-	-
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	-	-	-

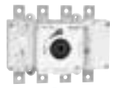
*(6) To be used as signalling or control contacts - Ie = 16A (resistive loads) 4A (inductive loads) at 250 Vac.
Whilst closing, it switches after the main contacts. Whilst opening, it switches before the main contacts.
*(7) Handle interlock in OFF 0 position by means of a key, that only can be removed when the handle is unlocked.
*(8) One set or one unit for input or output. Terminals shrouds for S5B and S5F 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

3P


3P + N *(1)


S5

S5N

UM

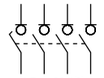
S5 - S5N Switches S5000 3 & 4 poles (O - I) ready to motorize				UM-S Motorized unit kit (O - I) *(2)	
Amp.	Size	3 pole (3P)	4 pole (3P + N) *(1)	120Vac *(3)	230Vac *(3)
		Code	Code	Code	Code
250	1	S5-02503PRC	S5-02503NRC	-	UM-S1A230Z
315		S5-03153PRC	S5-03153NRC		
400		S5-04003PCC	S5-04003NCC		
500	2	S5-05003PRC	S5-05003NRC	-	UM-S2A230Z
630		S5-06303PRC	S5-06303NRC		
800		S5-08003PCC	S5-08003NCC		
800	3	S5-08003PRC	S5-08003NRC	UM-S31120M	UM-S31230M
1000		S5-10003PCC	S5-10003NCC		
1250		S5-12503PCC	S5-12503NCC		
1000	4	S5-10003PSC	S5-10003NSC	UM-S41120M	UM-S41230M
1250		S5-12503PSC	S5-12503NSC		
1600		S5-16003PSC	S5-16003NSC		
1800		S5-18003PSC	S5-18003NSC		
2000		S5-20003PDC	S5-20003NDC		
2000	5 (S5N)	S5N20003PDC	S5N20003NDC	-	UM-S56230M
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

2P

3P


3P + N *(1)

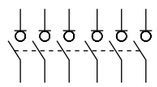
S6

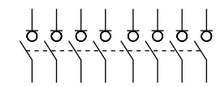
UM

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
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	
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


6P


8P

S6N

S5M

S5N

UM

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
250	1 (S6N)	S6N02506PSC	S6N02508PSC	-	UM-S2A230Z
315		S6N03156PSC	S6N03158PSC		
400		S6N04006PDC	S6N04008PDC		
500	2 (S6N)	S6N05006PRC	S6N05008PRC	UM-S26120M	UM-S26230M
630		S6N06306PRC	S6N06308PRC		
800	3 (S5M)	S5M08006PRC	S5M08008PRC	UM-S35120M	UM-S35230M
1000		S5M10006PCC	S5M10008PCC		
1250	4 (S5N)	S5N12506PSC	S5N12508PSC	-	UM-S56230M
1600		S5N16006PSC	S5N16008PSC		
1800		S5N18006PSC	S5N18008PSC		
2000		S5N20006PDC	S5N20008PDC		

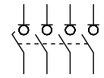
UM + S6N normal mounting
UM + S5M size 3 normal mounting
UM + S5N size 4 normal mounting
UM + S5M size 3 inverted mounting (please consult UM codes)

*(1) Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available, please consult.
*(2) UM Kit code is related to the code of switch from its section depending on size and it is for normal mounting.
For different type of mounting or different code of switch or UM kit, please consult.
*(3) For dc values, please consult.

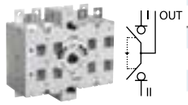
For all solutions, please indicate in your order the switch code and the UM Kit code, as these both products are managed separately.

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

3P


3P + N *(3)

S5F



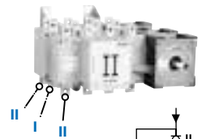
CCF

UM

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
125	0	S5F	S5F01253PS0	S5F01253NS0	-	UM-C0A230Z
160		S5F	S5F01603PS0	S5F01603NS0		
200		S5F	S5F02003PS0	S5F02003NS0		
200	1	CCF	CCF02003PS0	CCF02003NS0	-	UM-C1A230Z
250		CCF	CCF02503PS0	CCF02503NS0		
315		CCF	CCF03153PS0	CCF03153NS0		
400		CCF	CCF04003PS0	CCF04003NS0		
500	2	CCF	CCF05003PS0	CCF05003NS0	-	UM-C2A230Z
630		CCF	CCF06303PS0	CCF06303NS0		
800		CCF	CCF08003PS0	CCF08003NS0		
1000	3	CCF	CCF10003PS0	CCF10003NS0	UM-C31120M	UM-C31230M
1250		CCF	CCF12503PS0	CCF12503NS0		
1600	4	S5F	S5F16003PS0	S5F16003NS0	UM-C45120M	UM-C45230M
1800		S5F	S5F18003PS0	S5F18003NS0		
2000		S5F	S5F20003PD0	S5F20003ND0		
2000	5	S5F	S5F20003PP0	S5F20003NP0	-	UM-C55230M
2500		S5F	S5F25003PP0	S5F25003NP0		
3150		S5F	S5F31503PP0	S5F31503NP0		

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

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



UM

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
125	0	S5B01253PS0	S5B01253NS0	-	UM-C0A230Z
160		S5B01603PS0	S5B01603NS0		
200		S5B02003PS0	S5B02003NS0		
250	1	S5B02503PRC	S5B02503NRC	-	UM-C1A230Z
315		S5B03153PRC	S5B03153NRC		
400		S5B04003PCC	S5B04003NCC		
500	2	S5B05003PRC	S5B05003NRC	UM-C24120M	UM-C24230M
630		S5B06303PRC	S5B06303NRC		
800	3	S5B08003PRC	S5B08003NRC	UM-C34120M	UM-C34230M
1000		S5B10003PCC	S5B10003NCC		
1250	4	S5B12503PS0	S5B12503NS0	-	UM-C44230M
1600		S5B16003PS0	S5B16003NS0		
1800		S5B18003PS0	S5B18003NS0		
2000		S5B20003PD0	S5B20003ND0		

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

*(4) Neutral pole early make-late break - Versions 4P with "simultaneous contacts" are also available, please consult.
*(5) There are versions of changeover switch without 0 - OFF position:
S5F (I - II) = S5D _ _ _ _ _.
CCF "overlapped" (I - 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 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 63A up to 3150A.
- 4 5 6 2 L C S5L series from 63 up to 80A.
- 4 5 6 2 C C CC series from 250A up to 1250A.
- 4 5 6 2 F C S5F series from 125A up to 200A and from 1600 up to 3150A.
- Protection rating IP56 - IP66.
- External padlockable handle in OFF 0 position.

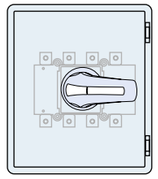
Series CTR | Enclosed changeover switches

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 2000A.
- 4 5 6 C C C Compact model from 250 up to 1250A.
- 4 5 6 C F C Back to back model 125A, 1600A, 2000A.
- Protection rating IP54.
- Power section protected against accidental contacts.
- Manual handle included (for emergency operation or maintenance).

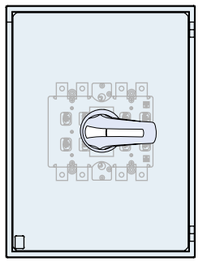
Series CIS25C | Enclosed switch disconnectors



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
4	1000	CIS25C10003PS	CIS25C10003NS
	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.

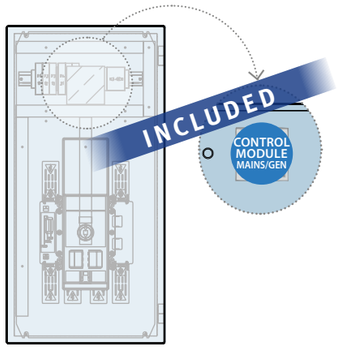
Series CTR2 | Enclosed changeover switches



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 CTRCCC - CTRCFC | Enclosed changeover switches



CTRC___Metal enclosed changeover switch with motorized unit & control module IP54	
Amp.	4 pole (3P + N) *(2)
	Code
125	CTRCFC01253NSBJ
200	CTRCFC02003NSBJ
250	CTRCCC02503NSBJ
400	CTRCCC04003NSBK
630	CTRCCC06303NSBK
1000	CTRCCC10003NSBK
1250	CTRCCC12503NSBK
1600	CTRCFC16003NSBK
2000	CTRCFC20003NSBK

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

series M11

Modular concept
with fuses

series M21

Compact model
with fuses

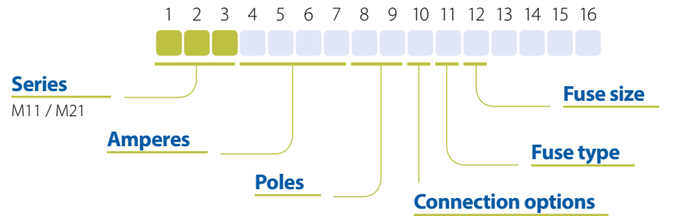
Fusible switches

Preventive security in all these series

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

series CIF

With enclosure
integrated solution



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

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.

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

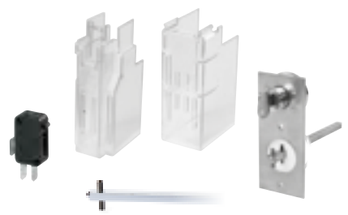
Series M21

- 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.

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

Series CIF21C - CIF22C

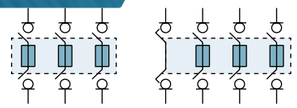
- Metal enclosed fusible switch 3P or 3P + N.
- Available from 63 up to 800A.
- 4 5 6 2 1 C M11 switch from 63 up to 160A.
- 4 5 6 2 2 C M21 switch from 160 up to 800A.
- Protection rating IP65.
- External handle with clutch device on the door.
- Door interlock in "I" position.
- Possibility of incorporating different devices and accessories.



Accessories for these series

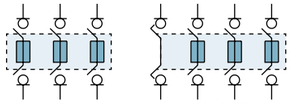
- Wide range of accessories available for all series.
- Common accessories with screws or supplements to adapt to every switch.

Series M11 | Base mounting fusible switches



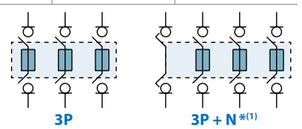
M11 Switches 2, 3 & 4 poles (32 - 160A) (O - I) For fusibles BS - NFC 14x51 - NH00C *(3)							Manual handle			
							External handle		Direct handle	
Amp.	Fuse	Size	Connection	Bipolar (2P)	3 pole (3P)	4 pole (3P + N) *(1)	Frontal *(2)	Side	Frontal	Side
				Code	Code	Code	Code	Code	Code	Code
50	14 x 51	00		M1100502PBC20	M1100503PBC20	M1100503NBC20	DS-SA02	DM1SLB1	DM1SI01	DM1SYB1
63	NH00C	00		M1100632PBDB0	M1100633PBDB0	M1100633NBDB0				
100	NH00C			M1101002PBDB0	M1101003PBDB0	M1101003NBDB0				
32	BSA1	00		M1100322PBBA0	M1100323PBBA0	M1100323NBBA0	DS-SA02	DM1SAB1	DM1SI01	DM1SYB1
63	BSA2 BSA3			M1100632PBBB0	M1100633PBBB0	M1100633NBBB0				
125	22 x 58	0		M1101252PBC30	M1101253PBC30	M1101253NBC30	DS-SA02	DM1SLB1	DM1SI01	DM1SYB1
125	22 x 58			M1101252PTC30	M1101253PTC30	M1101253NTC30				
125	NH00	0		M1101252PBDB0	M1101253PBDB0	M1101253NBDB0				
125	NH00			M1101252PTDB0	M1101253PTDB0	M1101253NTDB0				
160	NH00			M1101602PBDB0	M1101603PBDB0	M1101603NBDB0				
160	NH00			M1101602PTDB0	M1101603PTDB0	M1101603NTDB0				
100	BSA2 BSA3	0		M1101002PBB00	M1101003PBB00	M1101003NBB00	DS-SA02	DM1SAB1	DM1SI01	DM1SYB1
100	BSA2 BSA3			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	DS-SA11	DM2SI11	DS-SR11
160	BSA4	1		M2101603PSB10	M2101603NSB10			
200	BSB1 BSB2			M2102003PSB20	M2102003NSB20			
250	BSB1 BSB2			M2102503PSB20	M2102503NSB20			
250	NH1	2		M2102503PSD10	M2102503NSD10	DS-LA22	DM2SI21	DS-LR22
400	NH2			M2104003PSD20	M2104003NSD20			
315	BSB1... BSB3	2		M2103153PSB40	M2103153NSB40			
400	BSB1... BSB4			M2104003PSB50	M2104003NSB50			
630	NH3	3		M2106303PSD30	M2106303NSD30	DS-LA31	DM2SI31	DS-LR31
800	NH3			M2108003PSD30	M2108003NSD30			
630	BSC1... BSC2	3		M2106303PSB70	M2106303NSB70			
800	BSC1... BSC3			M2108003PSB80	M2108003NSB80			

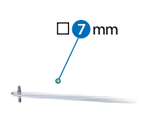
Series CIF | Metal enclosed fusible switches



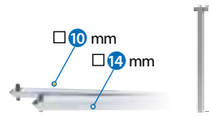
CIF___Metal enclosed model *(2) *(3) IP65						
Amp.	Fuse	Size	Connection	Series	3 pole	4 pole (3P + N) *(1)
					Code	Code
63	NH00C	00		M-11	CIF21C00633PBDB	CIF21C00633NBDB
100	NH00C			M-11	CIF21C01003PBDB	CIF21C01003NBDB
125	NH00	0		M-11	CIF21C01253PBDB	CIF21C01253NBDB
125	NH00			M-11	CIF21C01253PTDB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

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

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



	External handle		Extended shafts *(4)			Auxiliary contacts *(5)		Safety key lock device *(6)		Terminal shrouds *(7)	
Size	Front *(2)	Side	□	For external handle		1NO+1NC	2NO+2NC	Simple	Double	2 units	3 units
	Code	Code		L	Code *(e1)	Code	Code	Code *(e1)	Code *(e1)	Code	Code
00	DS-SR02	DM1RLB1	7	387	Front DS-EP05	DM1AUB1	DM1AUB2	DS-CAB1	DS-CEB1	DM1CU01	DM1CU02
		DM1SRB1		347	Side DS-EP02						
0	DS-SR02	DM1RLB1	7	387	Front DS-EP05	DM1AUB1	DM1AUB2	DS-CAB1	DS-CEB1	DM1CU01	DM1CU02
				347	Side DS-EP02						



	Extended shafts *(4)				Auxiliary contacts *(5)		Safety key lock device *(6)		Rear protective plate		Terminal shrouds *(7)		
Size	□	Type 1			1NO+1NC	2NO+2NC	Simple	Double	160-200A	250A	3P input	3P output	4P input/ output
		L	Code *(e1)		Code	Code	Code *(e1)	Code *(e1)	Code	Code	Code	Code	Code
1	10	376	DS-EP14	D5LAU01	D5LAU02		DS-CA11	DS-CEB1	3P DM2PP11	3P DM2PP21	DM2CU11	DM2CU12	DM2CU13
									4P DM2PP12	4P DM2PP22			
2	14	345	DS-EP23	D5LAU01	D5LAU02		DS-CB21	DS-CF21	3P DM2PP21		DM2CU21	DM2CU22	DM2CU23
									4P DM2PP22				
3	14	345	DS-EP23	D5LAU01	D5LAU02		DS-CB31	DS-CF31	3P DM2PP31		DM2CU31	DM2CU32	DM2CU33
									4P DM2PP32				

	Auxiliary contacts *(5)		Safety key lock device *(6)		Terminal shrouds *(7)			
Size	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

*(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

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 series S6 DC

Isolation only
disconnector for batteries

series S6 DC

Simplified
quick connection

series S6R DC

High performance
energy efficiency new technology

SERPA TEC

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

Series S5- / S5M / S5N / S6 - / S6N / S6R

Type of connection

Amperes

Poles

Connection options

1 2 3 4 5
S 5 -

1 2 3 4 5
S 5 N

Series S5 - S5N DC
Switch S5000 4P
- For photovoltaic applications in direct current.

Ue MAX 1000 Vdc Ie MAX 3150 A DC 21B.

- Base mounting by screws.
- Direct or external handle, blue colour.

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

Series S6 DC
Switch S6000 2P
- For photovoltaic applications in direct current.

Ue MAX 1000 Vdc Ie MAX 630 A DC 21B.

- Base mounting by screws.
- Direct input/output connections (external brigding links are not required)
- Different configurations input/output.
- Direct or external handle, blue colour.

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

Series S6N DC
Switch S6000N 1P+1P
- For photovoltaic applications in direct current.

Ue MAX 1500Vdc Ie MAX 400A DC21B

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

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

Series ZFC-ZFV DC
Modular switch
- For photovoltaic applications in direct current.

Ue MAX 1000|1500 Vdc Ie MAX 55|25A DC 21B.

- Base mounting by screws or DIN rail mounting.
- Direct or external handle, black colour.
- Other options, please consult.

1 2 3 4 5
S 5 M

1 2 3 4 5
S 5 N

Series S5M DC - S5N DC
Switch S5000 4P + 4P
- For photovoltaic applications in direct current.

Ue MAX 1500 Vdc Ie MAX 1800A DC 21B.

- Base mounting by screws.
- Direct or external handle, blue colour.

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

Series S6R
Switch S6000 1P & 2P
High performance
- For photovoltaic applications in different current.

Ue MAX 1500 Vdc Ie MAX 400A UL98B.

- Simplified connection.
- Base mounting by screws.
- Direct input/output connections (external brigding links are not required).
- Diferent configurations.
- External handle, blue colour.
- Low power losses

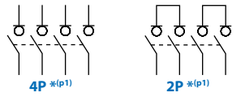
1 2 3 4 5
S 5

1 2 3 4 5
S 6

Series S5 DC - S6 DC
Disconnector S5000 - S6000 1P & 2P
Ue MAX 1500 Vdc Ie MAX 3150A DC 20A.
- For battery applications in direct current.

- Base mounting by screws.
- Direct or external handle, blue colour.

Series S5 - S5N DC 1000 VDC | Base mounting switches



MOTORIZED HANDLE AVAILABLE - PLEASE CONSULT - KIT UM

S5 DC

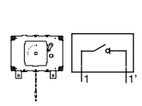
S5N DC

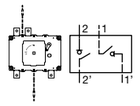
S5 - S5N DC Switches S5000 (40 - 3150 A) (O - I)						Manual handle	
	Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	4 pole (4P) *(p1)	External*(1)	Direct
					Code	Code	Code
4P *(p1)	900V DC21B	40	0		S5-01604PB0	DS-SA01	DS-SI01
		40			S5-01604PS0		
	1000V DC21B	100	1		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)		
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	5 (S5N)		S5N31502ES0	DS-LA41	DS-LI41

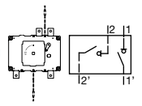
Series S6 DC 1000 VDC | Base mounting switches

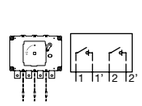
S6 DC

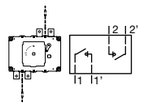
S6 DC Switches S6000 2 poles (125 - 630 A) (O - I)							Manual handle	
	Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Diagram 2C*(2)	Diagram 2E*(2)	External*(1)	Direct
					Code	Code	Code	Code
2P	1000V DC21B	125	1		S6-01252CS0	S6-01252ES0	DS-SA11	DS-SI11
		160			S6-01602CS0	S6-01602ES0		
		200			S6-02002CS0	S6-02002ES0		
		250			S6-02502CS0	S6-02502ES0		
		315			S6-03152CS0	S6-03152ES0		
		400			S6-04002CD0	S6-04002ED0		
		500	2		S6-05002CS0	S6-05002ES0	DS-LA21	DS-LI21
		630			S6-06302CS0	S6-06302ES0		

*(2) 1M 

2A 

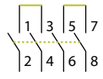
2C 

2E 

2X 

Series ZFV - ZFC DC 1000 - 1500 VDC | 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		ZFC16SMAH1NA4O
	25			ZFC25SMAH1NA4O

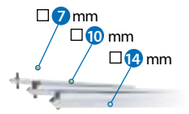


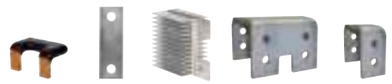
A4O

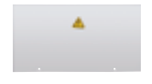
ZFV DC DIN rail base mounting switches with direct handle *(3) (32 - 55 A) (O - I)				
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Code
1000V DC21B	32	00		ZFV32SMAH1A4O
	40			ZFV40SMAH1A4O
	55			ZFV55SMAH1A4O

*(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.

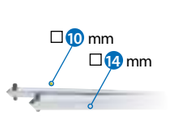
Please indicate in your order the switch code and the handle code, as these both products are managed separately. A standard shaft is included with the handle.



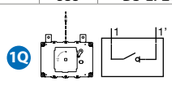


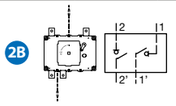


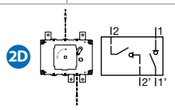
Size	□	Extended shafts *(3) Type 1 & 2 L	Code *(e1)	Bridging links *(p1)	Code 2 units	Terminal protection Connection	Code	Terminal shrouds (2 units) *(4) Code
0	7	250	DS-EP04		DS-PI05		DS-CU01	-
		387	DS-EP05		DS-PI01			
1	10	375	DS-EP14		DS-PI11		DS-CU12	DS-CU10
					DS-PI11			DS-CU11
		536	DS-EP15		DS-PI11			DS-CU18
					DS-PI14			DS-CU19
2	14	345	DS-EP23		DS-PI21	-	-	DS-CU20
		535	DS-EP24		DS-PI2D		DS-CU22	DS-CU21 DS-CU28 DS-CU29
3	14	345	DS-EP23		DS-PI31	-	-	DS-CU30 DS-CU31
		535	DS-EP24		DS-PI3D			DS-CU38 DS-CU39
4 (S5)	14	485	DS-EP44		DS-PI4D	-	-	-
		635	DS-EP45					
5 (S5N)	-	-	-		DS-PI51	-	-	-
5 (S5N)	-	-	-		DS-PI4D	-	-	-
					D5LPC45 *(5)			

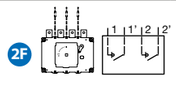


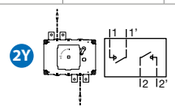
Size	□	Extended shafts *(3) Type 1 & 2 L	Code *(e1)	Auxiliary contacts *(6) 1NO+1NC	2NO+2NC	Safety key lock device *(7) Simple	Double	Spacers (4 units) Code	Phase barriers (2 or 3 units) Diagram C	Diagram E	Terminal shrouds (1 unit) *(4) Code
									Code	Code	
1	10	375	DS-EP14	D5LAU01	D5LAU02	DS-CA11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

1Q 

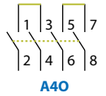
2B 

2D 

2F 

2Y 

ZFV DC Plastic enclosed switches IP66 (16 - 32 A) (O - I)				
Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Code
1000Vdc DC21B	16	00		ZFC16PFLH4A4O
	32			ZFV32PFLH4A4O



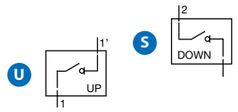
A4O

*(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.

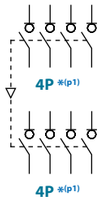
Series S6N DC 1500 VDC | Base mounting switches 1P+1P

S6N DC

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



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



S5M DC

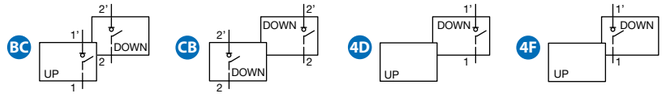
S5N DC

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

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

S6R DC

	Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	S6R DC Switches S6000 1 - 2 poles (250 - 400 A) (O - I) 2P Code BC	2P Code CB	1P Code 4D	1P Code 4F
1P 2P	1500Vdc UL98B	250	1		S6R0250BCS00L	S6R0250CBS00L	S6R02504DS00L	S6R02504FS00L
		320			S6R0320BCD00L	S6R0320CBD00L	S6R03204DD00L	S6R03204FD00L
		400			S6R0400BCD00L	S6R0400CBD00L	S6R04004DD00L	S6R04004FD00L

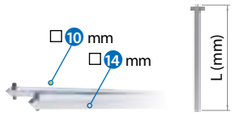


*(1) Padlockable handle in OFF 0 position. Possibility of unlocking the door in ON I position (with the use of a tool).
Door interlock by a padlock in OFF 0 position.
*(p1) To comply with the operation and electrical features, these bridging links must be assembled to the switch.
See catalogue to choose the configuration needed according to the required connection diagram, please consult.

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

Size	Auxiliary contacts *(2) 1NO+1NC Code	Auxiliary contacts *(2) 2NO+2NC Code	Terminal shrouds (1 unit) *(3) Code
1	D5LAU01	D5LAU02	DR-CU13

Size		Bridging links *(p1) Code 2 units	Bridging links *(p1) Code 3 units	Auxiliary contacts *(2) 1NO+1NC Code	Auxiliary contacts *(2) 2NO+2NC Code	Safety key lock device *(4) Simple Code *(e1)	Safety key lock device *(4) Double Code *(e1)	Terminal shrouds *(3) (2 units) Code
2		DS-PI230L	-	DS-AU11	DS-AU12	DS-CB21	DS-CF21	-
		DS-PI2D						
3		DS-PI3D	-	DS-AU11	DS-AU12	DS-CB41	DS-CF41	-
4 (S5N)		-	DS-PI430U	D5LAU01	D5LAU02	DS-CB41	DS-CF41	DS-CU400U
		DS-PI4D	-					DS-CU480U
								-



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

*(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 1500 VDC | Base mounting disconnectors ISOLATION ONLY

S5 DC
ISOLATION ONLY

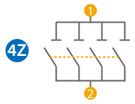
S6 DC
ISOLATION ONLY

S5 - S6 DC Disconnectors 1 pole (160 - 2000 A) (O - I)							Manual handle ISOLATION ONLY	
	Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Unipolar (1P) *(p1) Code	Diagram	External*(1) Code	Direct Code
1P *(p1)	1500 V 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	DS-LA21T	DS-LI21T
		2000	3		S5-12504ZC0P38	4Z	DS-LA31T	DS-LI31T

*(2) 1V

3Z

4Z



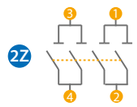
S5 DC
ISOLATION ONLY

S6 DC
ISOLATION ONLY

S5 - S6 DC Disconnectors 2 poles (160 - 2000 A) (O - I)							Manual handle ISOLATION ONLY	
	Rated operational voltage Ue	Rated operational current Ie (A)	Size	Connection	Bipolar (2P) *(p1) Code	Diagram	External*(1) Code	Direct Code
2P *(p1)	1500 V 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		

*(2) 2L

2Z

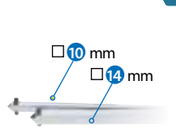


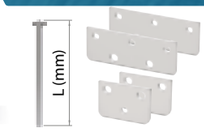
*(1) Padlockable handle in OFF 0 position. Possibility of unlocking the door in ON I position (with the use of a tool).
Door interlock by a padlock in OFF 0 position.

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

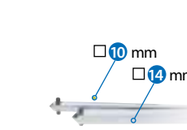
*(p1) To comply with the operation and electrical features the S5- switches must be assembled with these bridging links.
See catalogue to choose the configuration needed according to the required connection diagram, please consult.

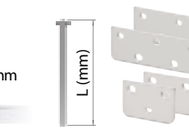
Please indicate in your order the switch code and the handle code, as these both products are managed separately.
A standard shaft is included with the handle.





Size	□	Extended shafts *(3) Type 1 & 2 L	Extended shafts *(3) Type 1 & 2 Code	Bridging links *(p2) Code	Auxiliary contacts *(4) 1NO+1NC Code	Auxiliary contacts *(4) 2NO+2NC Code	Phase barriers 1 unit Code	Phase barriers 2 units Code	Spacers (4 units) Code	Terminal protection *(5) Code	Terminal shrouds *(5) 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	D5LAU01	D5LAU02	-	-	-	DS-CU12	-
		536	DS-EP15	DS-PI1H							
2	14	345	DS-EP23	-	D5LAU01	D5LAU02	DR-SF21	DR-SF22	DR-EL21	-	DR-CU21
		535	DS-EP24	DS-PI2H	D5LAU01	D5LAU02	-	-	-	DS-CU22	-
3	14	345	DS-EP23	DS-PI3H	D5LAU01	D5LAU02	-	-	-	-	-
		535	DS-EP24								





Size	□	Extended shafts *(3) Type 1 & 2 L	Extended shafts *(3) Type 1 & 2 Code	Bridging links *(p2) Code	Auxiliary contacts *(4) 1NO+1NC Code	Auxiliary contacts *(4) 2NO+2NC Code	Phase barriers 1 unit Code	Phase barriers 2 units Code	Spacers (4 units) Code	Terminal shrouds *(5) 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-PI3L x 2	D5LAU01	D5LAU02	-	-	-	-
		535	DS-EP24							
4	14	485	DS-EP44	DS-PI4K x 2	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.

Utilization categories

Utilization categories according to IEC 60947-3			
Nature of current	Utilization category		Typical applications
	Category A *(2)	Category B *(3)	
AC	AC-20A *(1)	AC-20B *(1)	Connecting and disconnecting under no-load conditions
	AC-21A	AC-21B	Switching of resistive loads including moderate overloads
	AC-22A	AC-22B	Switching of mixed resistive and inductive loads, including moderate overloads
	AC-23A	AC-23B	Switching of motor loads or other highly inductive loads
DC	DC-20A *(1)	DC-20B *(1)	Connecting and disconnecting under no-load conditions
	DC-21A	DC-21B	Switching of resistive loads including moderate overloads
	DC-22A	DC-22B	Switching of mixed resistive and inductive loads, including moderate overloads (e.g.: motores shunt)
	DC-23A	DC-23B	Switching of highly inductive loads (e.g. series motors)
*(1) The use of these utilization categories is not permitted in the EE.UU.			
*(2) **A** Repeatedly operation			
*(3) **B** Not very repeatedly operation			

Category AC-23 includes occasional switching of individual motors. The switching of capacitos or of tungsten filament lamps shall be subject to agreement between manufacturer and user.

The utilization categories referred do not apply to an equipment normally used to start, accelerate and / or stop individual motors. The utilization categories for such equipment are explained next:

Utilization category		Typical applications
AC	AC-2	Slip-ring motors: starting, plugging [a], switching off
	AC-3	Squirrel-cage motors: starting, switching off of motors during running
	AC-4	Squirrel-cage motors: starting, plugging [a], inching [b]
DC	DC-3	Shunt motors: starting, plugging [a], inching [b], dynamic breaking of d.c. motors
	DC-5	Serie-motors: starting, plugging [a] inching [b], dynamic breaking of d.c. motors
NOTE - The switching of motor circuits, capacitors or tungsten filament lamps shall be subject to special agreement between manufacturer and user.		
[a] Plugging means stopping or reversing the motor rapidly by reversing motor primary connections while the motor is running.		
[b] Inching (jogging) means energizing a motor once or repeatedly for short periods to obtain small movements of the driven mechanism.		

The previous information is only advisory, it does not replace the specifications of the standard which will be consulted for its exact knowledge.

Notes:

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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February 2018

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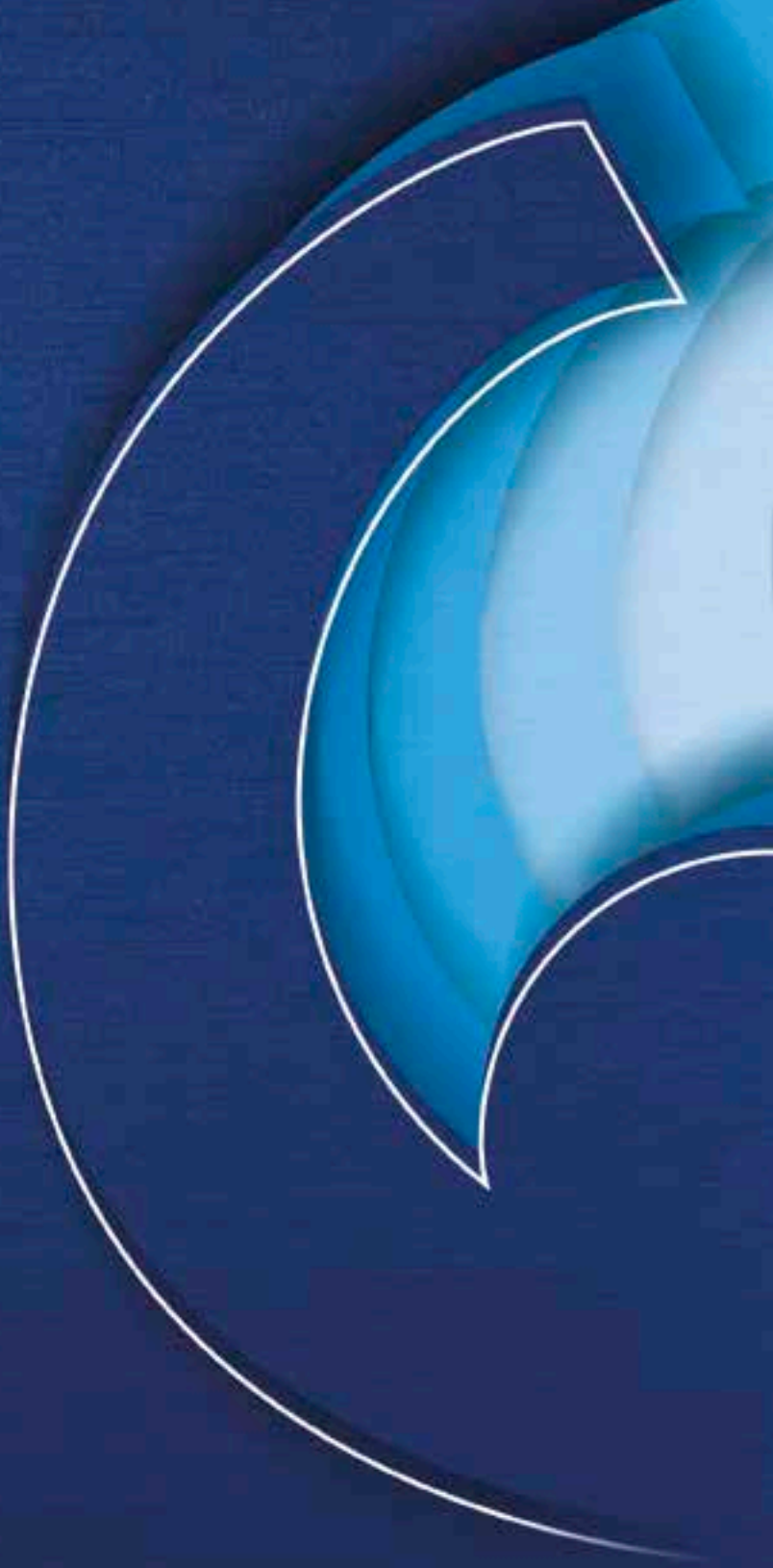

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