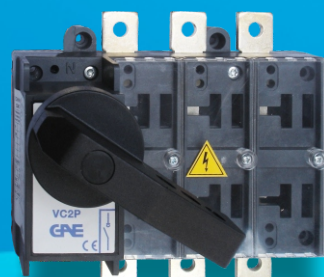
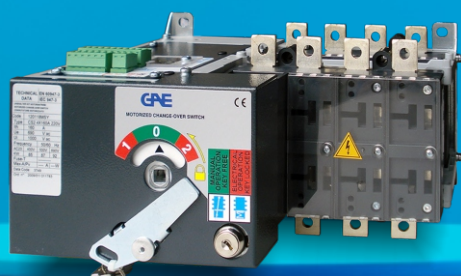


LOAD BREAK SWITCHES AND CHANGE-OVER SWITCHES

MODULAR
SWITCH DISCONNECTOR
AND CHANGE-OVER SWITCHES
MOTORIZED
CHANGE-OVER SWITCHES
CMO

VCP
LOAD BREAK SWITCH
CHANGE-OVER
SWITCHES
CMA



MODULAR SWITCH DISCONNECTORS TECHNICAL DATA

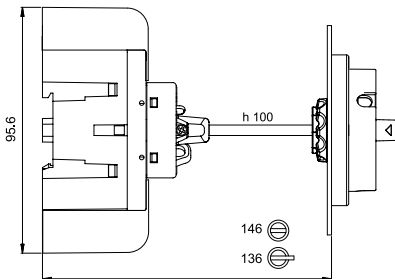
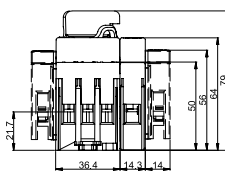
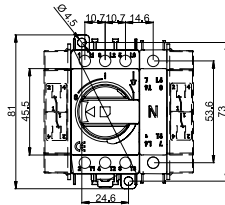
Type			SD1					SD2			SD3	
Rated current	In	A	16	25	32	40	63	80	100	125	160	
Rated insulation voltage	Ui	V	800	800	800	800	800	800	800	800	800	
Impulse withstand voltage	Uimp	kV	8	8	8	8	8	8	8	8	8	
Rated thermal current	40°C Ith/Ithe	A	16	25	32	40	63	80	100	125	160	
Rated operational current Ie												
AC-21A	415 V	A	16	25	32	40	63	80	100	125	160	
	500 V	A	16	25	32	40	63	80	100	125	160	
	690 V	A	16	25	32	40	63	80	100	125	160	
AC-22A	415 V	A	16	25	32	40	63	80	100	125	160	
	500 V	A	16	25	32	40	63	80	100	105	160	
	690 V	A	16	25	32	40	40	80	100	125	160	
AC-23A	415 V	A	16	25	32	40	63	80	100	100	160	
	500 V	A	16	25	32	40	63	63	63	63	125	
	690 V	A	16	25	32	40	63	32	32	32	100	
Rated making capacity	415 V AC23	A	160	250	320	400	400	800	1000	1000	1600	
Rated breaking capacity	415 V AC23	A	128	200	256	320	320	640	800	800	1280	
Rated operational power	415 V	kW	7,5	11	14	18	29	37	46	46	69	
	500 V	kW	8	14	17	22	35	35	35	35	83	
	690 V	kW	12	19	24	31	48	48	48	48	90	
Short-circuit withstand current	1 sec 400 V	kA	1,1	1,1	1,1	1,1	1,1	1,5	1,5	1,5	3	
Rated fuse short circuit current												
Back up fuse	gG	A	16	25	32	40	63	80	100	125	125	
R.M.S. value		kA	50	50	50	50	20	50	30	20	50	
Mechanical endurance		n	50000	50000	50000	50000	50000	30000	30000	30000	30000	
Electrical endurance		n	3000	3000	3000	3000	3000	1500	1500	1000	1000	
Power loss per pole		W	0,1	0,1	0,2	0,3	0,8	1,3	2,0	3,1	3	
Cable section		mmq	16	16	16	16	16-25	16-50	25-50	35-50	10+70	
Max terminal torque		Nm	2	2	2	2	2	2,5	2,5	2,5	6	
Operation torque		Nm	1,6	1,6	1,6	1,6	1,6	1,6	1,6	1,6	2,6	
Auxiliary contacts	AC15 415 V	A	3	3	3	3	3	3	3	3	3	
Net weight 3 poles		Kg	0,13	0,13	0,13	0,13	0,13	0,25	0,25	0,25	0,4	
Net weight 4 poles		Kg	0,16	0,16	0,16	0,16	0,16	0,32	0,32	0,32	0,5	

MODULAR SWITCH DISCONNECTORS SD1 - SD3



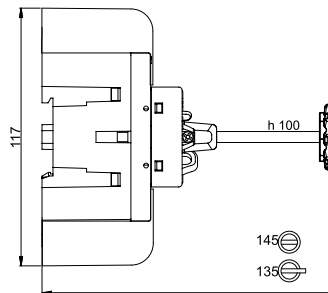
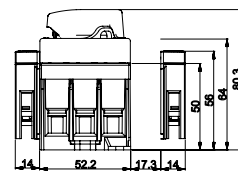
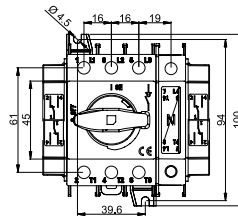
SD1 3P

16A, 20A, 32A, 40A, 63A



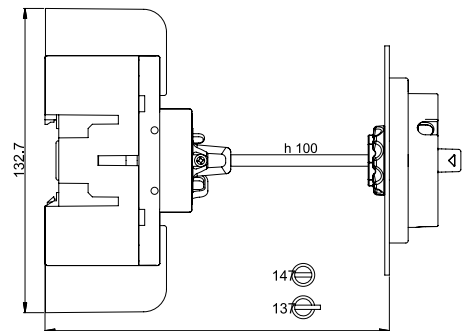
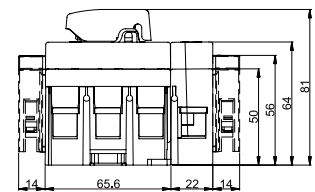
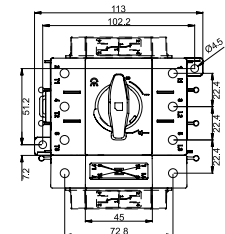
SD2 3P

80A, 100A, 125A



SD3 3P

160A

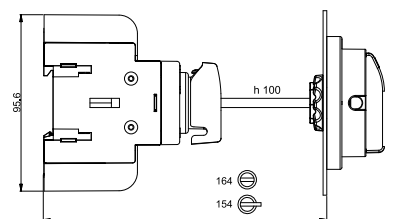
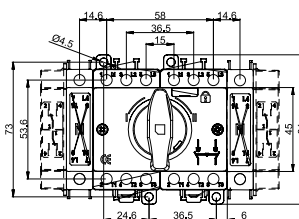
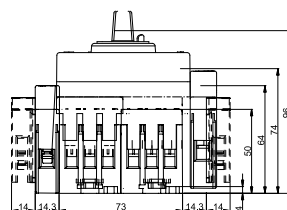


CHANGE OVER SWITCHES MODULAR SD1 - SD2



SD1 3P

40A



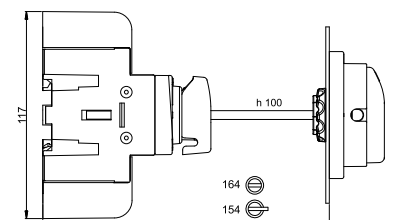
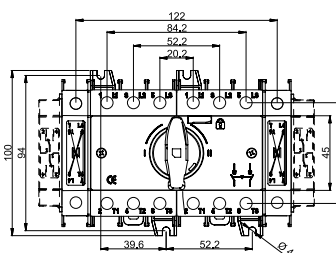
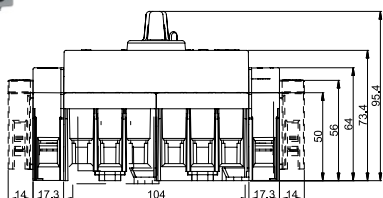
SD1 4P

16A, 20A, 32A, 40A, 63A



SD2 4P

63A, 80A, 100A, 125A



MODULAR SWITCH DISCONNECTORS ACCESSORIES

Netral Pole



4th Pole



**Aux Contacts 1CO
faston terminal**



Shaft 100mm



Shaft 200mm



Shaft 300mm



**Black door handle
(0-1)**



**Emergency door handle
(0-1)**

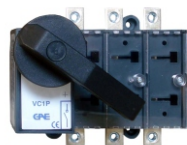


**Black door handle
(1-0-2)**

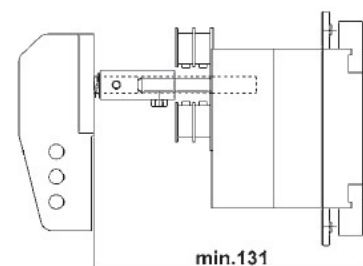
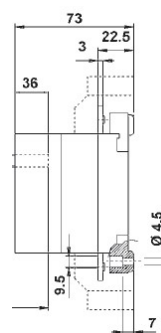
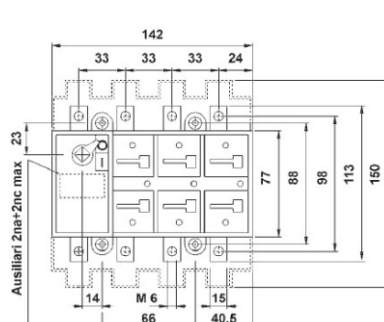
			LOAD BREAK SWITCHES TECHNICAL DATA														
Type			VC1P	VC2P				VC3P		VC4P		VC5P		VC5P 50 kA			
Rated current (In)			160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3150A	
Rated insulation voltage	c.a./AC (Ui) (V)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
	c.c./DC (Ui) (V)	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
Impulse withstand voltage	(U imp) (kV)	8	12	12	12	12	12	12	12	12	12	12	12	12	12	12	
Rated thermal current	(Ith) (A)	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150		
Rated operational current (Ie)																	
AC-21A/B	400V (A)	125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1600	2000	2500	3150		
	500V (A)	125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1600	2000	2500		
	690V (A)	125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1250	1250	1250		
AC-22A/B	400V (A)	125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1250	-	-		
	500V (A)	125/125	200	250	250/250	400	400/400	630	630/630	1000	1250	-	-	-	-		
	690V (A)	125/125	200	250	250/250	400	400/400	630	630/630	1000	1250	-	-	-	-		
AC-23A/B	400V (A)	125/125	200	250	250/250	400	400/400	630	630/630	1000	1250	-	-	-	-		
	500V (A)	100/100	160	200	200/200	315	315/315	500	500/500	800	800	-	-	-	-		
	690V (A)	80/80	125	160	160/160	250	250/250	400	400/400	400	400	-	-	-	-		
DC-21A/B (1)	220V (A)	125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1600	2000	-	-		
	420V (A)	-	200	250	250/315	400	400/500	630	630/800	-	-	-	-	-	-		
	560V (A)	-	-	-	-	400	400/500	630	630/800	-	-	-	-	-	-		
DC-22A/B (1)	220V (A)	125/125	200	250	250/315	400	400/500	630	630/800	1000	1250	-	-	-	-		
	420V (A)	-	200	250	250/250	400	400/400	630	630/630	-	-	-	-	-	-		
	560V (A)	-	-	-	-	400	400/400	630	630/630	-	-	-	-	-	-		
DC-23A/B (1)	220V (A)	80/80	200	250	250/250	400	400/400	630	630/630	630	800	-	-	-	-		
	420V (A)	-	200	250	250/250	400	400/400	630	630/630	-	-	-	-	-	-		
	560V (A)	-	-	-	-	400	400/400	630	630/630	-	-	-	-	-	-		
Rated making capacity at 400V AC23	(A)	1250	2000	2500	2500	4000	4000	6300	6300	10000	12500	-	-	-	-		
Rated breaking capacity at 400V AC23	(A)	1000	1600	2000	2000	3200	3200	5040	5040	8000	10000	-	-	-	-		
Short-circuit withstand current 1 sec.	(kA)	5	8	8	8	13	13	26,5	26,5	35	35	50	50	50	50		
Short-circuit withstand current 0,25 sec.	(kA)	10	16	16	16	26	26	53	53	70	70	100	100	100	100		
Short-circuit making capacity	(400V) (kA)	7,5	13,5	13,5	13,5	26	26	30	30	73,5	73,5	105	105	105	105		
Rated operational power AC-23A	(400V) (Kw)	65	105	130	130	210	210	330	330	525	630	630	630	-	-		
Rated fuse short-circuit current																	
Back up fuse	(A)	125	200	250	250	400	400	630	630	1000	1000	-	-	-	-		
R.M.S. value	(kA)	50	100	50	50	50	50	50	50	100	100	-	-	-	-		
Peak value	(kA)	15	20	25	25	30	30	40	40	90	100	-	-	-	-		
Mechanical endurance	n°	10000	10000	10000	10000	8000	8000	8000	8000	7000	7000	4000	4000	2000	2500		
Electrical endurance	n°	2000	2000	2000	2000 /200	1500	1500 /200	1500	1500 /200	1000	1000	500	500	500	500		
Rated capacitor power at 400V	kVAR	50	90	110	110	180	180	300	300	475	600	-	-	-	-		
Power losses for pole	(W)	2,7	2,4	3,8	6,0	9,4	14,8	15,6	25,7	27,3	12,7	38,3	61,3	91,7	145,5		
Cable section	mmq	70	120	120	185	2x150	2x150	2x185	2x240	-	-	-	-	-	-		
Bars dimension	mm	16x4	20x5	20x5	20x5	2x25x5	2x25x5	2x32x6	2x40x6	2x50x6	2x50x8	3x50x8	3x50x12	4x50x12	6x50x12		
Operation torque	Nm	8	12	12	12	18	18	34	34	45	45	70	70	70	70		
Net weight	3P kg	0,9	1,5	1,5	1,5	3,5	3,5	5,5	5,5	11	11	18	18	25	25		
	4P kg	1	1,6	1,6	1,6	3,8	3,8	6	6	12	12	19.2	19,5	26,5	26,5		

LOAD BREAK SWITCHES VCP SERIES

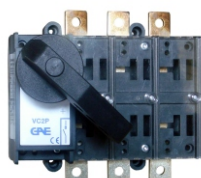
VC1P 3P



160A



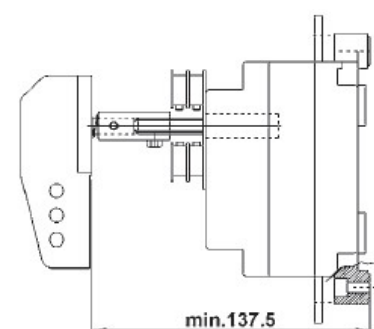
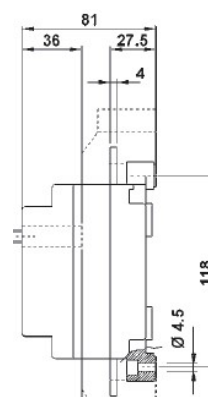
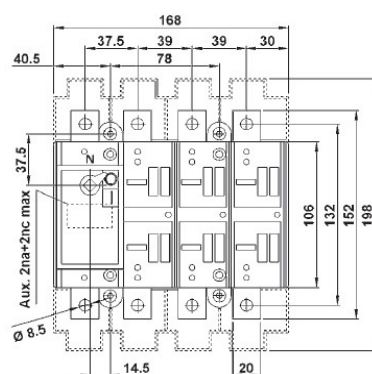
VC2P 3P



200A

250A

315A

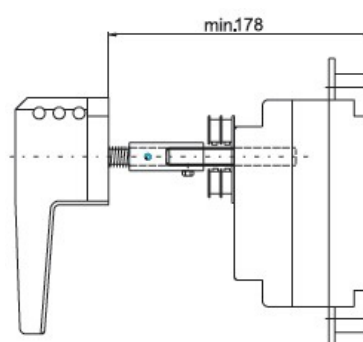
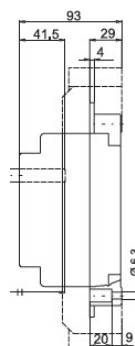
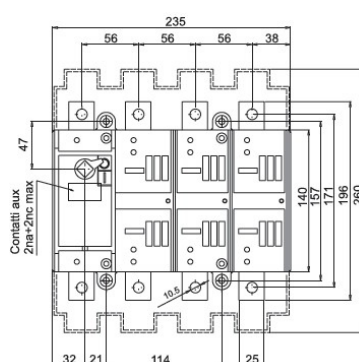


VC3P 3P

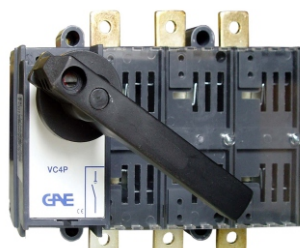


400A

500A

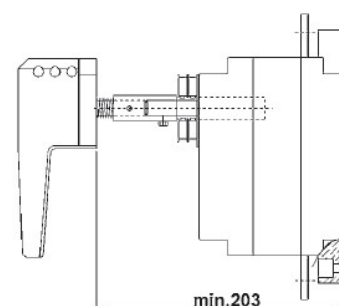
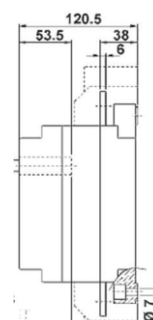
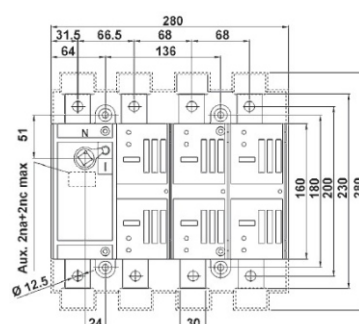


VC4P 3P



630A

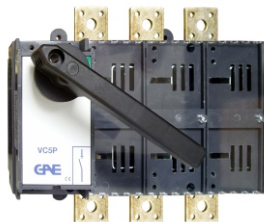
800A



LOAD BREAK SWITCHES VCP SERIES

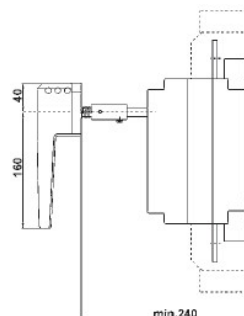
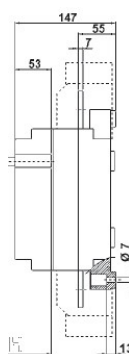
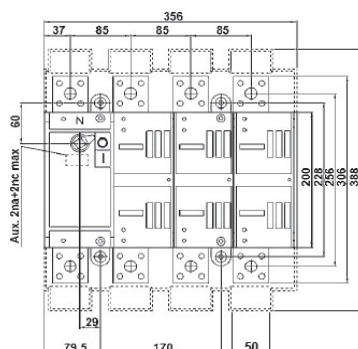
VC5P 3P

35kA



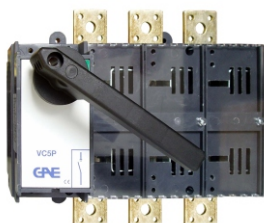
1000A

1250A



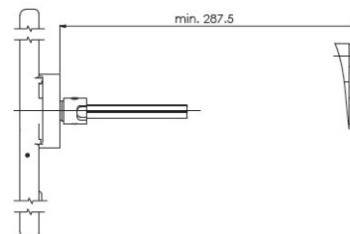
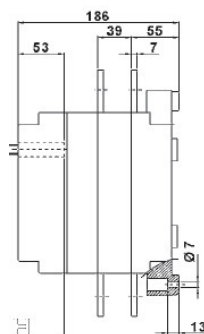
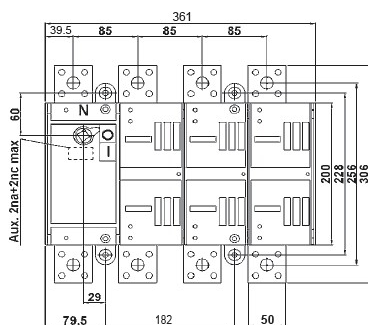
VC5P 3P

50kA



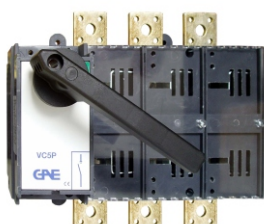
1600A

2000A



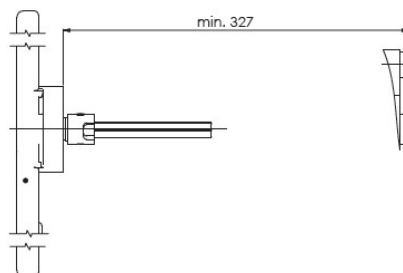
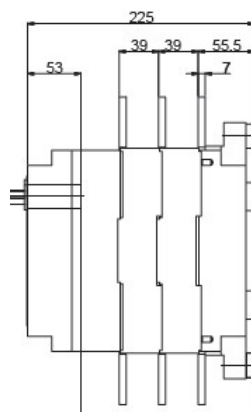
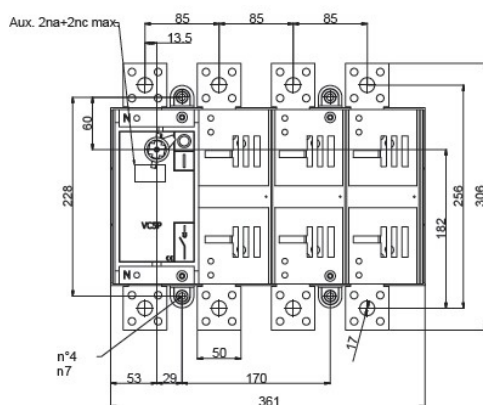
VC5P 3P

50kA



2500A

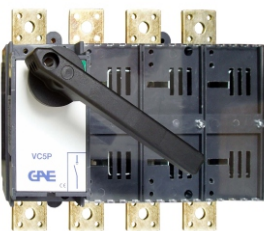
3150A



LOAD BREAK SWITCHES VCP SERIES

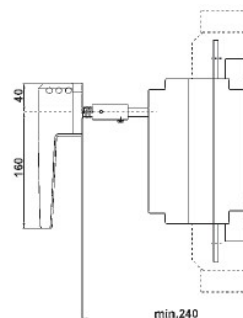
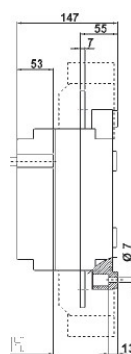
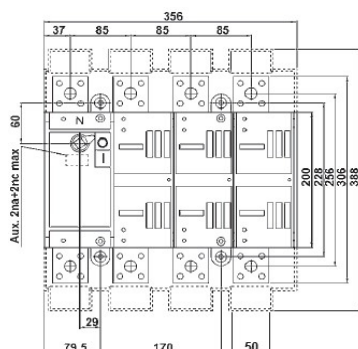
VC5P 4P

35kA



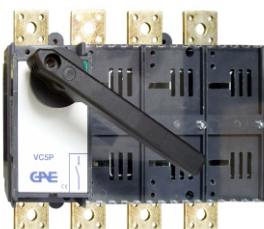
1000A

1250A



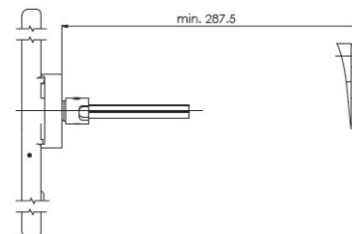
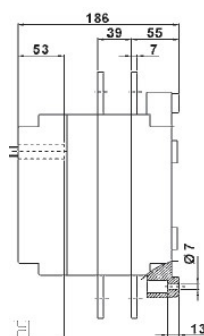
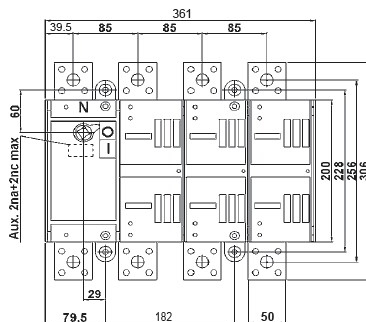
VC5P 4P

50kA



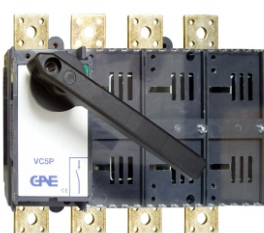
1600A

2000A



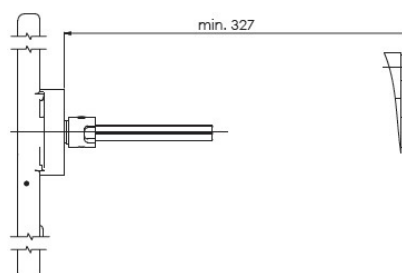
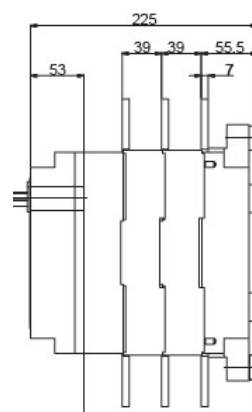
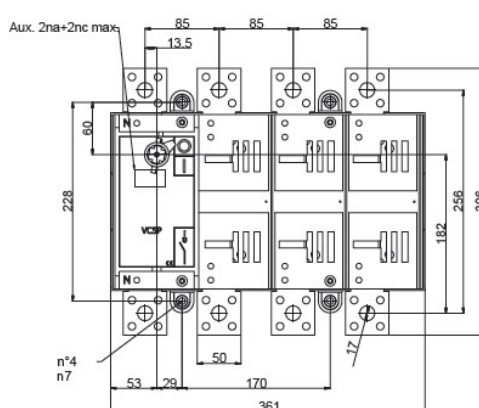
VC5P 4P

50kA



2500A

3150A



LOAD BREAK SWITCHES ACCESSORIES

Type	Code
VC1P	18050
VC2P	18052
VC3P	18350
VC4P	18054
VC5P/1250	18056
VC5P/1600	18058

Color	Black	Red/ yellow
Type	Code	Code
VC1P	18001	18002
VC2P	18001	18002
VC3P	18003	18004
VC4P	18003	18004
VC5P/1250	18005	18006
VC5P/1250	18007	18008

Type	Code
VC1P	18100
VC2P	18100
VC3P	18100
VC4P	18100
VC5P 35 kA	18102
VC5P 50 kA	18826
VC6P	18829

Type	Code
VC1P	18060
VC2P	18061
VC3P	18360
VC4P	18062
VC5P/6P	18063

Color	Black	Red/ yellow
Type	Code	Code
VC5/50kA-VC6	18830/18844	18831/18847

Type	Code	Aux cont
VC1/2P	18165	1NA+1NC
VC3P	18163	
VC4P	18160	
VC5/6P	18163	2NA+2NC
VC1/2P	18166	
VC3P	18164	
VC4P	18161	
VC5/6P	18164	

Type	Code
VC1P	18020
VC2P	18021
VC3P	18320
VC4P	18022
VC5P/1250	18023
VC5P/50kA	18840
VC6P	18840

Color	Black	Red/ yellow
Type	Code	Code
VC1P/2P	18220	18221
VC3P/4P	18222	18223
VC5P	18224	18225
VC5P/50kA	18832	18833
VC6P	18832	18833
VC5P/50kA-VC6	18850	18858

Type	Code
VC1P	18051
VC2P	18053
VC3P	18351
VC4P	18055
VC5P/1250	18057
VC5P/1600	18059

Type	Code	L (mm)
VC1/2P	18201	200
VC3/4/5/6P	18207	
VC1/2P	18202	300
VC3/4/5/6P	18208	
VC1/2P	18203	400
VC3/4/5/6P	18209	

With fuses cover

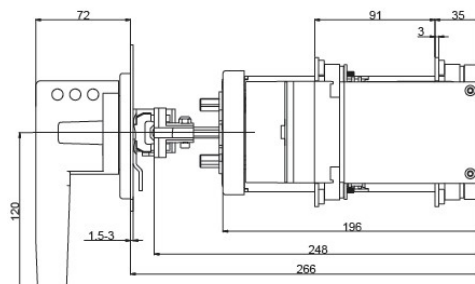
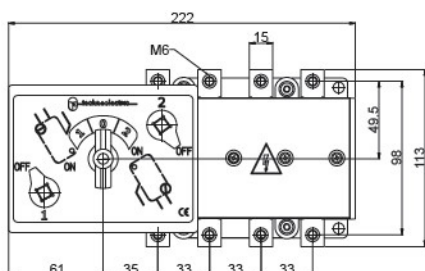
			MANUAL CHANGE-OVER SWITCHES TECHNICAL DATA													
Type			CS1P	CS2P				CS3P		CS4P		CS5P				
Rated current (In)			160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3150A
Rat. insulation voltage	c.a./AC (Ui) (V)		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	c.c./DC (Ui) (V)		1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Impulse withstand voltage (Uimp)(kV)			8	12	12	12	12	12	12	12	12	12	12	12	12	12
Rated thermal current (Ith) (A)			160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Rated operational current (Ie)																
400V (A)			125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1600	2000	2500	3150
AC-21A/B 500V (A)			125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1600	2000	2500
690V (A)			125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1250	1250	1250
400V (A)			125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1250	-	-
AC-22A/B 500V (A)			125/160	200	250	250/250	400	400/400	630	630/800	1000	1250	-	-	-	-
690V (A)			125/160	200	250	250/250	400	400/400	630	630/800	1000	1250	-	-	-	-
400V (A)			125/160	200	250	250/250	400	400/400	630	630/800	1000	1250	-	-	-	-
AC-23A/B 500V (A)			100/100	160	200	200/200	315	315/315	500	500/500	800	1000	-	-	-	-
690V (A)			80/80	125	160	160/160	250	250/250	400	400/400	400	400	-	-	-	-
220V (A)			125/160	200	250	250/315	400	400/500	630	630/800	1000	1250	1600	2000	-	-
DC-21A/B (1) 420V (A)			-	200	250	250/315	400	400/500	630	630/800	-	-	-	-	-	-
560V (A)			-	-	-	-	400	400/500	630	630/800	-	-	-	-	-	-
220V (A)			125/125	200	250	250/315	400	400/500	630	630/800	1000	1250	-	-	-	-
DC-22A/B (1) 420V (A)			-	200	250	250/250	400	400/400	630	630/800	-	-	-	-	-	-
560V (A)			-	-	-	-	400	400/400	630	630/800	-	-	-	-	-	-
220V (A)			80/80	200	250	250/250	400	400/400	630	630/800	630	800	-	-	-	-
DC-23A/B (1) 420V (A)			-	200	250	250/250	400	400/400	630	630/800	-	-	-	-	-	-
560V (A)			-	-	-	-	400	400/400	630	630/800	-	-	-	-	-	-
Rated making capacity at 400V AC23		(A)	1250	2000	2500	2500	4000	5000	6300	6300	10000	12500	-	-	-	-
Rated breaking capacity at 400V AC23		(A)	1000	1600	2000	2000	3200	4000	5040	5040	8000	10000	-	-	-	-
Short-circuit withstand current 1 sec.		(kA)	5	8	8	8	13	13	26,5	26,5	35	35	50	50	50	50
Short-circuit withstand current 0,25 sec		(kA)	10	16	16	16	26	26	53	53	70	70	100	100	100	100
Short-circuit making capacity (400V)		(kA)	7,5	13,5	13,5	13,5	26	26	30	30	73,5	73,5	105	105	105	105
Rated operational power AC-23A (400V)		(kA)	65	105	130	130	210	210	330	330	525	630	630	630	-	-
Rated fuse short-circuit current																
Back up fuse (A)			160	200	250	315	400	500	630	800	1000	1250	-	-	-	-
R.M.S. value (kA)			50	50	50	50	50	50	50	50	100	100	-	-	-	-
Peak value (kA)			16	20	25	27	30	30	40	50	60	70	-	-	-	-
Mechanical endurance n°			10000	10000	10000	10000	8000	8000	8000	8000	7000	7000	4000	4000	2000	2500
Electrical endurance n°			2000	2000	2000	2000 /200	1500	1500 /200	1500	1500 /200	1000	1000	500	500	500	500
Rated Power Capacitor at 400V (kVAr)			50	90	110	110	180	180	300	300	475	600				
Power losses for pole (W)			2,7	2,4	3,8	6,1	9,4	14,8	15,6	25,7	27,3	42,7	38,3	61,3	91,7	145,5
Cable section mmq			70	120	120	185	2x150	2x150	2x185	2x240	-	-	-	-	-	-
Bars dimension mm			16x4	20x5	20x5	20x6	2x25x5	2x25x5	2x32x6	2x40x6	2x50x6	2x50x8	3x50x8	3x50x12	4x50x12	6x50x12
Net weight 3P Kg			5,5	5,5	5,5	5,5	17	17	22	22	37	37	51	51	70	70
4P Kq			6	6	6	6	18	18	24	24	37	37	53	53	74	74

MANUAL CHANGE-OVER SWITCHES

CS1P 4P



160A



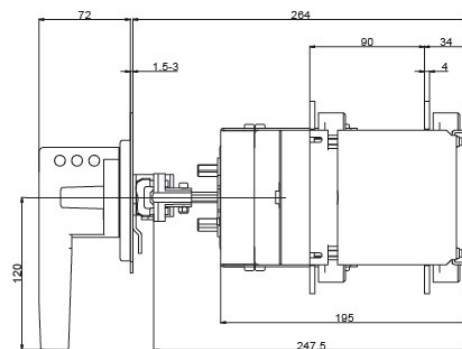
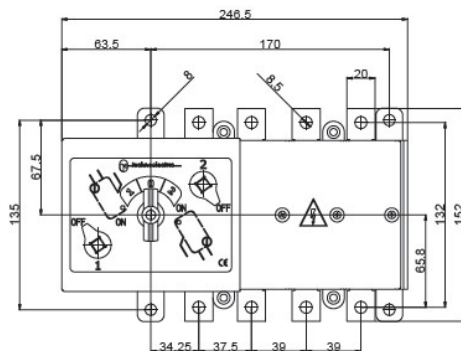
CS2P 4P



200A

250A

315A

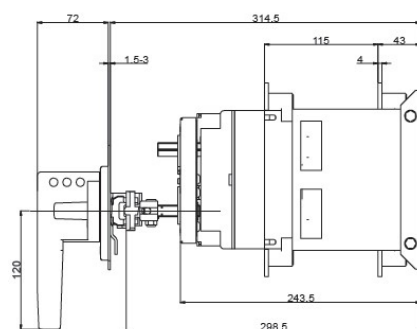
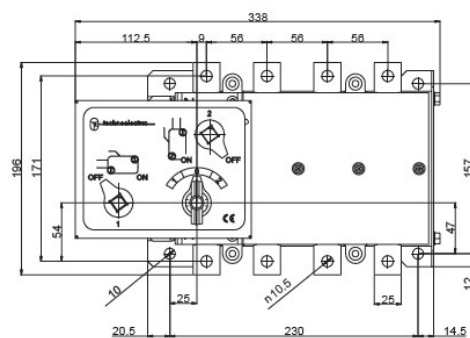


CS3P 4P

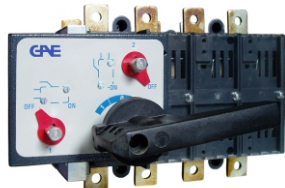


400A

500A

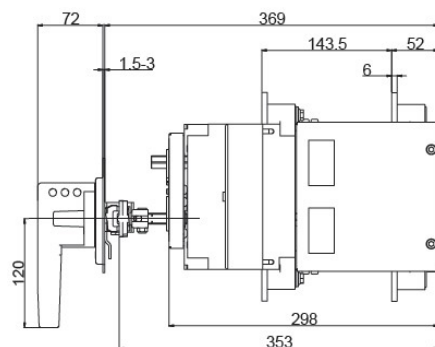
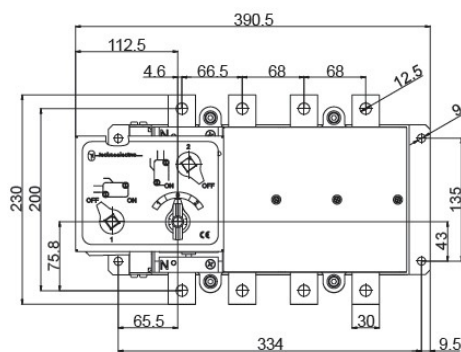


CS4P 4P



630A

800A



MANUAL CHANGE-OVER SWITCHES

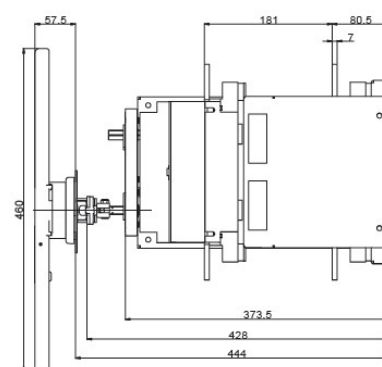
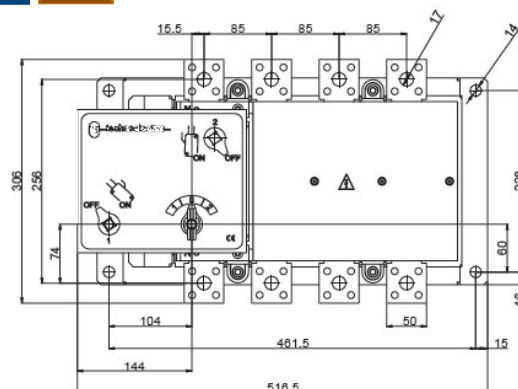
CS5P 4P

35kA



1000A

1250A



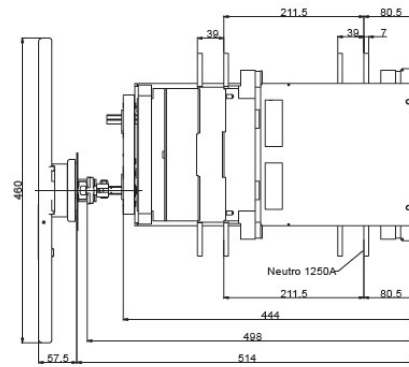
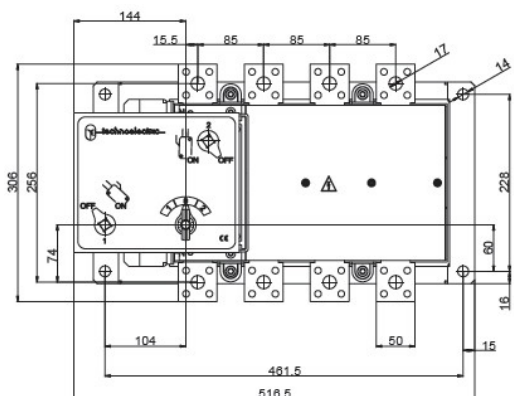
CS5P 4P

50kA



1600A

2000A



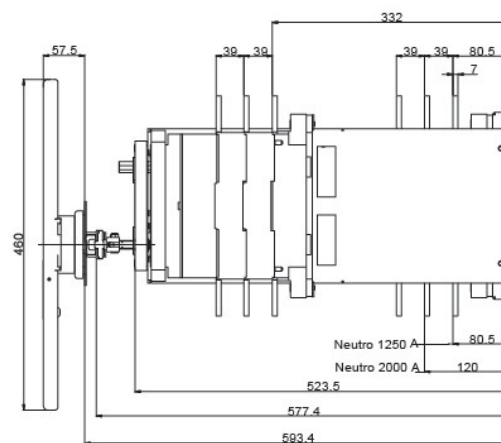
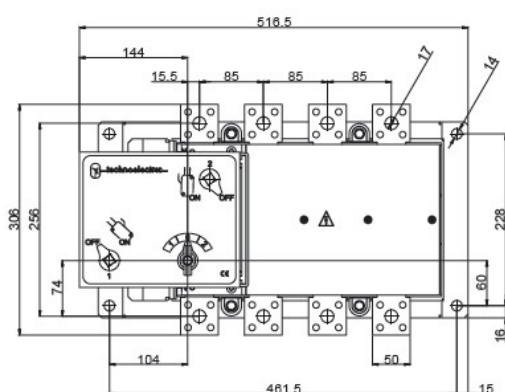
CS5P 4P

50kA

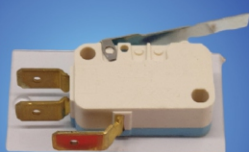
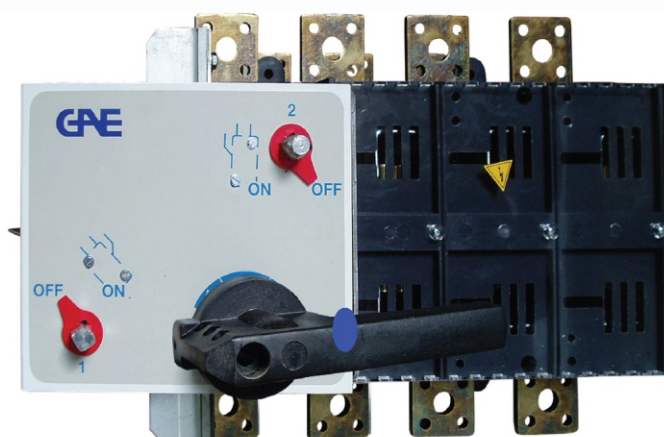


2500A

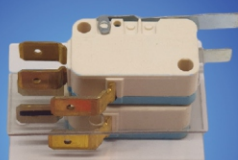
3150A



MANUAL CHANGE OVER SWITCHES ACCESSORIES



Auxiliary contacts 1C/O



Auxiliary contacts 2C/O



Direct double handle

MOTORIZED CHANGE OVER SWITCHES TECHNICAL DATA

Type		CS2				CS3		CS4		CS5					
Rated current (In)		160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3150A
Rated insulation c.a./AC (Ui) (V)		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
voltage c.c./DC (Ui) (V)		1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
Rated thermal current (Ith) (A)		160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Rated operational current (Ie)															
AC-21A/B	400V (A)	160	200	250	250/315	400	400/500	630	630/800	1000	1250	1600	2000	2500	3150
	500V (A)	160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1600	2000	2500
	690V (A)	160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1250	1250	1250
AC-22A/B	400V (A)	160	200	250	250/315	400	400/500	630	630/800	1000	1250	1250	1250	-	-
	500V (A)	160	200	250	250/250	400	400/400	630	630/800	1000	1250	-	-	-	-
	690V (A)	160	200	250	250/250	400	400/400	630	630/800	1000	1250	-	-	-	-
AC-23A/B	400V (A)	160	200	250	250/250	400	400/400	630	630/800	1000	1250	-	-	-	-
	500V (A)	125	160	200	200/200	315	315/315	500	500/500	800	1000	-	-	-	-
	690V (A)	100	125	160	160/160	250	250/250	400	400/400	630	800	-	-	-	-
DC-21A/B (1)	220V (A)	160	200	250	250/315	400	400/500	630	630/800	1000	1250	1600	2000	-	-
	420V (A)	160	200	250	250/315	400	400/500	630	630/800	-	-	-	-	-	-
	560V (A)	-	-	-	-	400	400/500	630	630/800	-	-	-	-	-	-
DC-22A/B (1)	220V (A)	160	200	250	250/315	400	400/500	630	630/800	1000	1250	-	-	-	-
	420V (A)	160	200	250	250/250	400	400/400	630	630/800	-	-	-	-	-	-
	560V (A)	-	-	-	-	400	400/400	630	630/800	-	-	-	-	-	-
DC-23A/B (1)	220V (A)	160	200	250	250/250	400	400/400	630	630/800	630	800	-	-	-	-
	420V (A)	160	200	250	250/250	400	400/400	630	630/800	-	-	-	-	-	-
	560V (A)	-	-	-	-	400	400/400	630	630/800	-	-	-	-	-	-
Rated making capacity at 400V AC23	(A)	1600	2000	2500	2500	4000	4000	6300	6300	10000	12500	-	-	-	-
Rated breaking capacity at 400V AC23	(A)	1280	1600	2000	2000	3200	3200	5040	5040	8000	10000	-	-	-	-
Short-circuit withstand current 1 sec.	(kA)	8	8	8	8	13	13	26,5	26,5	50	50	50	50	50	50
Short-circuit withstand current 0,25 sec	(kA)	16	16	16	16	26	26	53	53	100	100	100	100	100	100
Short-circuit making capacity (400V)	(kA)	13,5	13,5	13,5	13,5	26	26	30	30	105	105	105	105	105	105
Rated operational power AC-23A (400V)	(kA)	85	105	130	130	210	210	330	330	525	630	630	630	-	-
Rated fuse short-circuit current															
Back up fuse (A)		160	200	250	250	400	400	630	630	1000	1000	-	-	-	-
R.M.S. value (kA)		100	100	50	50	50	50	50	50	100	100	-	-	-	-
Peak value (kA)		20	20	25	25	30	30	40	40	90	100	-	-	-	-
Mechanical endurance	n°	10000	10000	10000	10000	8000	8000	8000	8000	4000	4000	4000	4000	2500	2500
Electrical endurance	n°	2000	2000	2000	2000/200	1500	1500/200	1500	1500/200	1000	1000	500	500	500	500
Power losses for pole (W)		1,6	2,4	3,8	6,0	9,4	14,8	15,6	25,7	27,3	42,7	38,3	61,3	91,7	145,5
Cable section	mmq	120	120	120	185	2x150	2x150	2x185	2x240	-	-	-	-	-	-
Bars dimension	mm	20x5	20x5	20x5	10x6	2x25x5	2x25x5	2x32x6	2x40x6	2x50x6	2x50x8	3x50x8	3x50x12	4x50x12	6x50x12
Change over time (I-II or II-I)	sec	1,8	1,8	1,8	1,8	1,8	1,8	2,8	2,8	3	3	3,8	3,8	3,8	3,8
DC voltage supply ± 10%	(V)	12/24	12/24	12/24	12/24	24	24	24	24	24	24	24	24	24	24
min (V)		18	18	18	18	18	18	18	18	18	18	18	18	18	18
AC voltage supply ± 10%	(V)	-	-	-	-	230	230	230	230	230	230	230	230	230	230
Power motor consumption (A)		3	3	3	3	4+7	4+7	4	4	5+6	5+6	5+6	5+6	5+6	5+6
Net weight	3P Kg	5,5	5,5	5,5	5,5	17	17	22	22	37	37	51	51	70	70
	4P Kg	6	6	6	6	18	18	24	24	37	37	53	53	74	74

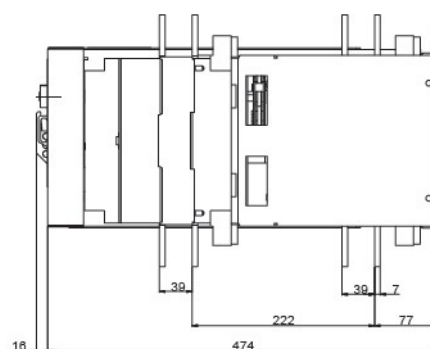
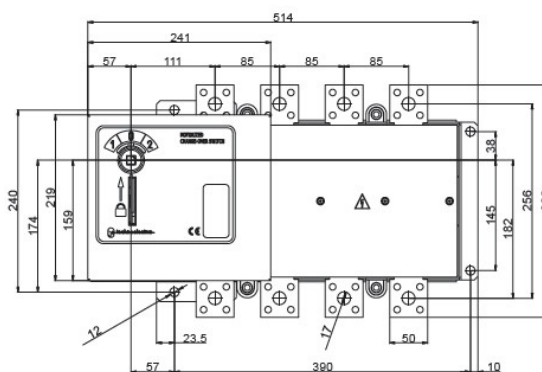
(1) Two poles in series

MOTORIZED CHANGE OVER SWITCHES

CS5



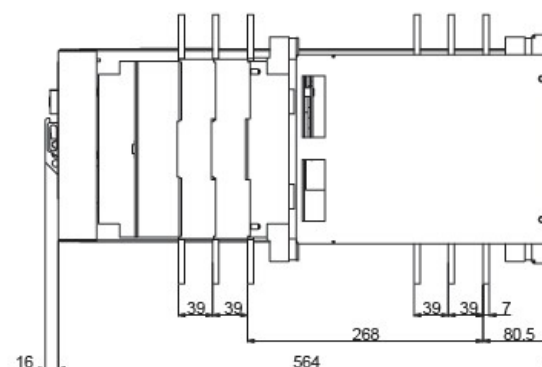
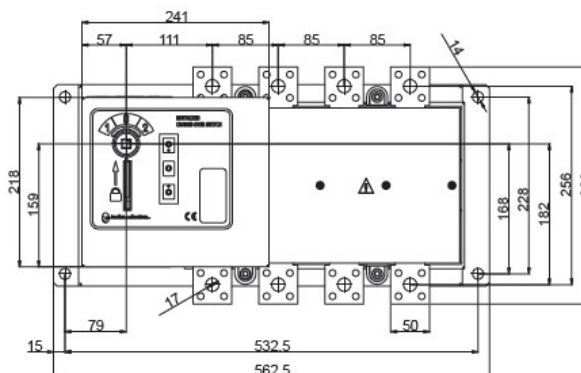
1600A
2000A



CS5

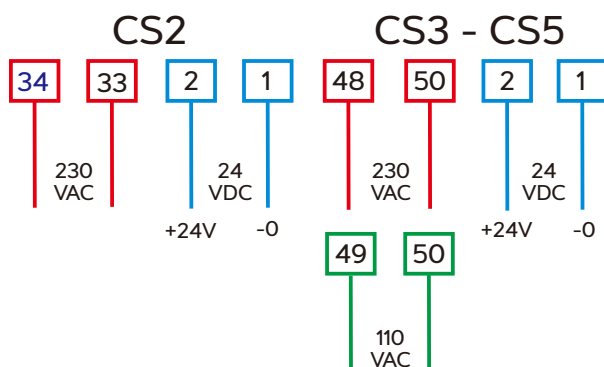


2500A
3150A

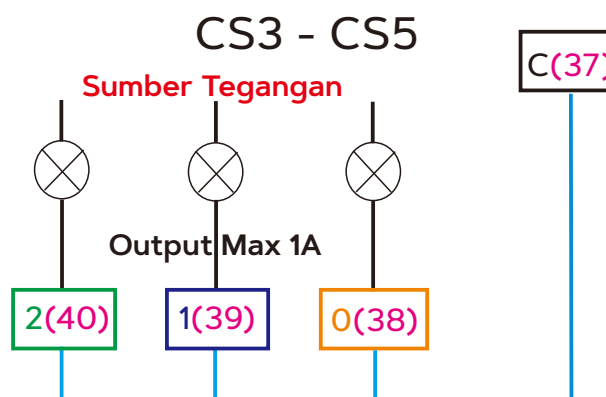


QUICK INSTALLATION GUIDE - MOTORIZED CHANGE OVER SWITCHES

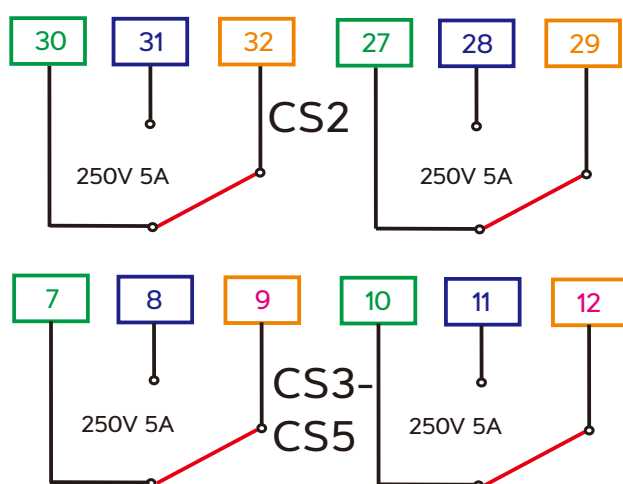
1 Connect the Motorized COS to **Power Supply Terminal**



2 Output Indicator Lamp Terminal



3 Auxiliary Contact Terminal



4 Contactor Automatics to Position '0'

ON
Secara otomatis akan kembali ke posisi '0'.
Automatically back to position '0'.

1
ON
Automatically back to remain same position.
Secara otomatis akan tetap pada posisi yang sama.

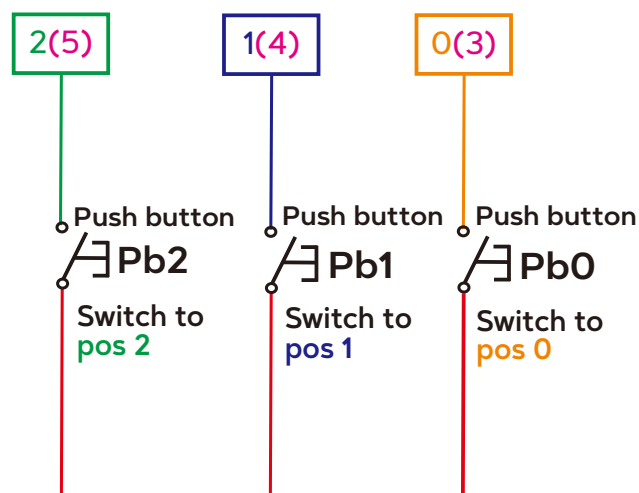
5 **START** Terminal Connection

C(6)

It is not necessary to give continuous voltage source to terminal C, 2, 1, 0.
Sangat tidak disarankan memberikan sumber tegangan secara kontinu terhadap terminal C, 2, 1, 0.

To activate the intended position simply by queuing terminal C with each terminal 2, 1, 0

Untuk mengaktifkan posisi 2, 1, 0 cukup dengan menghubungkan salah satu terminal tersebut ke terminal C sesaat, tidak perlu secara terus menerus.





JAKARTA TIMUR 13930

Jl. Rawa Gelam II No. 8 Pulogadung Industrial Estate
T (021) 4682 5050, F (021) 4682 4758

SURABAYA 60293

Jl. Rungkut Industri I No. 29 Rungkut Industrial Estate
T (031) 849 3885-86, F (031) 841 6661