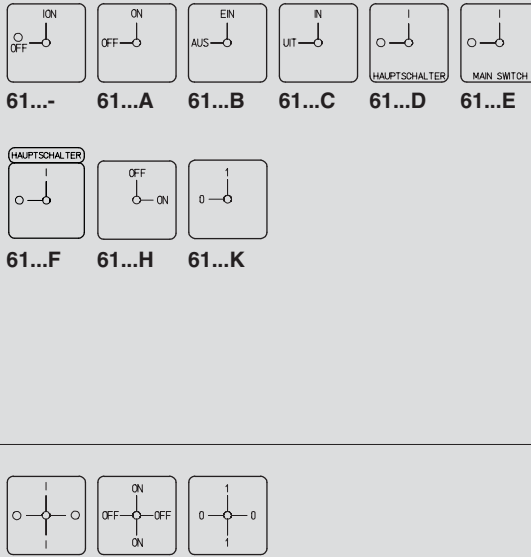
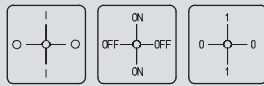
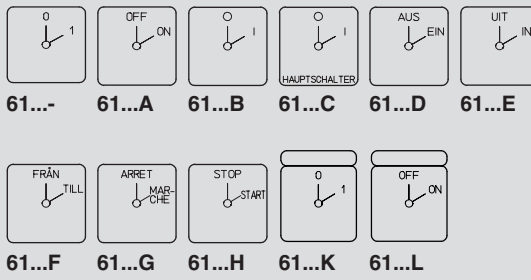


Switching programmes

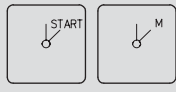
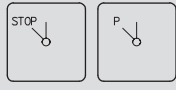
ON-OFF Switches 90°

Description	Stages	Contacts	Ident No.	Ident No. with inscription
1 pole	1	1	61191.	
2 pole	1	2	61192.	
3 pole	2	3	61199.	
3 pole with N/PE terminals	2	4	61178.	
3 pole with N terminals	2	4	61908.	
4 pole	2	4	61914.	
4 pole, 1 pole early make/late break	2	4	61194.	
4 pole, 3 pole early make/late break	2	4	61904.	
5 pole, 3 pole early make/late break	3	5	61905.	
6 pole	3	6	61906.	
6 pole, 2 auxiliary contacts	4	8	61907.	
7 pole	4	7	61917.	
8 pole	4	8	61918.	
8 pole, 2 pole early make/late break	4	8	61919.	
9 pole	5	9	61909.	
10 pole	5	10	61910.	
12 pole	6	12	61912.	
Complete rotation				
2 pole	1	2	61198.	
3 pole	2	3	61197.	

ON-OFF Switches 60°























Description	Stages	Contacts	Ident No.	Ident No. with inscription
1 pole	1	1	61001.	
2 pole	1	2	61002.	
3 pole	2	3	61003.	
4 pole	2	4	61004.	
5 pole	3	5	61005.	
6 pole	3	6	61006.	
7 pole	4	7	61007.	
8 pole	4	8	61008.	
9 pole	5	9	61009.	
10 pole	5	10	61010.	
11 pole	6	11	61011.	
12 pole	6	12	61012.	

ON-OFF Switches with spring return







Description	Stages	Contacts	Ident No.	Ident No. with inscription
Spring return to OFF				
1 pole	1	1	61351.	
2 pole	1	2	61352.	
3 pole	2	3	61353.	
4 pole	2	4	61354.	
Spring return to ON				
1 pole	1	1	61302.	

Switching programmes





















Changeover Switches with centre OFF, 60°

Description	Stages	Contacts	Ident No.	Ident No. with inscription
1 pole	1	2	61025.	     
2 pole	2	4	61026.	
3 pole	3	6	61027.	
4 pole	4	8	61028.	
5 pole	5	10	61029.	
6 pole	6	12	61030.	
7 pole	7	14	61031.	
8 pole	8	16	61032.	
without jumpers				
1 pole	1	2	61625.	     
2 pole	2	4	61626.	
3 pole	3	6	61627.	
				     
				   

Changeover Switches with centre OFF, 90°


Description	Stages	Contacts	Ident No.	Ident No. with inscription
1 pole	1	2	61151.	     
2 pole	2	4	61152.	
3 pole	3	6	61153.	
4 pole	4	8	61154.	

Changeover Switches with centre OFF and spring return





Description	Stages	Contacts	Ident No.	Ident No. with inscription
Spring return to centre				
1 pole	1	2	61361.	     
2 pole	2	4	61362.	
3 pole	3	6	61363.	
without jumpers				
1 pole	1	2	61761.	     
2 pole	2	4	61762.	
				     
				 

Switching programmes








Changeover Switches with centre OFF and spring return

Description	Stages	Contacts	Ident No.	Ident No. with inscription
Spring return from left to centre				
1 pole	1	2	61364.	
2 pole	2	4	61365.	
3 pole	3	6	61369.	
				61...-

Changeover Switches without OFF

Description	Stages	Contacts	Ident No.	Ident No. with inscription
1 pole	1	2	61037.	
2 pole	2	4	61038.	
3 pole	3	6	61039.	
4 pole	4	8	61040.	
5 pole	5	10	61041.	
6 pole	6	12	61042.	
7 pole	7	14	61043.	
8 pole	8	16	61044.	
9 pole	9	18	61045.	
10 pole	10	20	61046.	
11 pole	11	22	61047.	
12 pole	12	24	61048.	
without jumpers				
1 pole	1	2	61637.	
2 pole	2	4	61638.	
3 pole	3	6	61639.	
4 pole	4	8	61640.	
overlapping contacts				
1 pole	1	2	61737.	
2 pole	2	4	61738.	
3 pole	3	6	61739.	
4 pole	4	8	61740.	

Changeover Switches without OFF with spring return

Description	Stages	Contacts	Ident No.	Ident No. with inscription
Spring return to 12 hr				
1 pole	1	2	61371.	
2 pole	2	4	61372.	
3 pole	3	6	61373.	
without jumpers				
1 pole	1	2	61771.	 61...-  61...A  61...B  61...C  61...D  61...E















Switching programmes

Multi-step Switches with OFF

Description	Stages	Contacts	Ident No.	Ident No. with inscription
2 steps				
1 pole	1	2	61059.	
2 pole	2	4	61079.	
3 pole	3	6	61099.	
4 pole	4	8	61130.	61...- 61...A 61...B
5 pole	5	10	61134.	
6 pole	6	12	61137.	
3 steps				
1 pole	2	3	61060.	
2 pole	3	6	61080.	
3 pole	5	9	61100.	
4 pole	6	12	61131.	61...- 61...A 61...B 61...C 61...D
5 pole	8	15	61135.	
4 steps				
1 pole	2	4	61061.	
2 pole	4	8	61081.	
3 pole	6	12	61101.	
4 pole	8	16	61132.	61...- 61...A
5 steps				
1 pole	3	5	61062.	
2 pole	5	10	61082.	
3 pole	8	15	61102.	61...- 61...A
6 steps				
1 pole	3	6	61063.	
2 pole	6	12	61083.	
3 pole	9	18	61103.	61...- 61...A
7 steps				
1 pole	4	7	61064.	
2 pole	7	14	61084.	
				61...- 61...A
8 steps				
1 pole	4	8	61065.	
				61065- 61065A
9 steps				
1 pole	5	9	61066.	
				61066- 61066A
10 steps				
1 pole	5	10	61067.	
				61067- 61067A
11 steps				
1 pole	6	11	61068.	
				61068- 61068A




Switching programmes

Multi-step Switches without OFF




Description	Stages	Contacts	Ident No.	Ident No. with inscription
3 steps				
1 pole	2	3	61049.	 
2 pole	3	6	61069.	
3 pole	5	9	61089.	
4 pole	6	12	61120.	
5 pole	8	15	61124.	
6 pole	9	18	61126.	
without jumpers				
1 pole	2	3	61649.	61...-
2 pole	3	6	61669.	61...A
4 steps				
1 pole	2	4	61050.	 
2 pole	4	8	61070.	
3 pole	6	12	61090.	
4 pole	8	16	61121.	
5 pole	10	20	61125.	
6 pole	12	24	61127.	
without jumpers				
1 pole	2	4	61650.	61...-
2 pole	4	8	61670.	61...A
5 steps				
1 pole	3	5	61051.	 
2 pole	5	10	61071.	
3 pole	8	15	61091.	
4 pole	10	20	61122.	
6 steps				
1 pole	3	6	61052.	 
2 pole	6	12	61072.	
3 pole	9	18	61092.	
7 steps				
1 pole	4	7	61053.	
2 pole	7	14	61073.	
3 pole	11	21	61093.	
8 steps				
1 pole	4	8	61054.	
2 pole	8	16	61074.	
3 pole	12	24	61094.	
9 steps				
1 pole	5	9	61055.	 61055-
10 steps				
1 pole	5	10	61056.	 61056-
11 steps				
1 pole	6	11	61057.	 61057-
12 steps				
1 pole	6	12	61058.	 61058-

Switching programmes











Code Switches

Description	Stages	Contacts	Ident No.	Ident No. with inscription
Binary code				
0 - 7	2	3	61920.	 61...-
0 - 7 complement	2	3	61921.	
0 - 7 + complement	3	6	61922.	
0 - 11	2	4	61923.	 61...-
0 - 11 + complement	4	8	61924.	
BCD Code				
0 - 9	2	4	61930.	 61...-
0 - 9 complement	2	4	61931.	
0 - 9 + complement	4	8	61932.	

Gang Switches

Description	Stages	Contacts	Ident No.	Ident No. with inscription
2 gangs				
1 pole	1	2	61109.	 61...-
2 pole	2	4	61117.	
3 pole	3	6	61111.	
3 gangs				
1 pole	2	3	61110.	 61...-
2 pole	3	6	61118.	
3 pole	5	9	61112.	
Series-gang Switches				
2 gangs				
1 pole	1	2	61113.	 61...A
2 pole	2	4	61115.	
3 pole	3	6	61114.	
Series-parallel Switches				
2 gangs				
2 pole	2	4	61116.	

Voltmeter Selector Switches with OFF

Description	Stages	Contacts	Ident No.	Ident No. with inscription
3 phase line to line, 30°	2	4	61312.	 61312-  61312A  61312B  61312C  61312D  61312E  61312F
3 phase line to line, 60°	2	4	61485.	 61485-  61485A  6485B

Switching programmes

Voltmeter Selector Switches with OFF
















Description	Stages	Contacts	Ident No.	Ident No. with inscription
3 phase line to N	2	4	61311.	 61311- 61311A 61311B 61311C 61311D 61311E
3 phase line to line + 3 phase line to N	3	6	61313.	 61313- 61313A 61313B 61313C 61313D 61313E 61313F 61313G
3 phase line to line + 1 phase line to N	3	5	61317.	 61317- 61317A 61317B 61317C 61317D 61317E
3 phase line to line for 2 sources	4	8	61318.	 61318- 61318A 61318B 61318C 61318D 61318E 61318F 61318G
2 pole, 1 phase	1	2	61198.	 61198- 61198A 61198B 61198C

Voltmeter Selector Switches without OFF





Description	Stages	Contacts	Ident No.	Ident No. with inscription
3 phase line to line	2	4	61319.	 61319- 61319A 61319B
3 phase line to line + 3 phase line to N	3	6	61314.	 61314- 61314A 61314B

Switching programmes








Ammeter Selector Switches with OFF

Description	Stages	Contacts	Ident No.	Ident No. with inscription
1 transformer, 1 pole	1	2	61321.	     61321- 61321A 61321B 61321C 61321G
2 transformers, 1 pole (3 phase)	2	4	61331.	      61...- 61...A 61...B 61...C 61...D 61...E
3 transformers, 1 pole	3	6	61325.	
3 transformers, 2 pole	5	9	61328.	
				 61...F
2 transformers, 2 pole	3	6	61327.	   61327- 61327A 61327E

Ammeter Selector Switches without OFF














Description	Stages	Contacts	Ident No.	Ident No. with inscription
3 transformers, 1 pole	3	6	61384.	  61...- 61...A
3 transformers, 2 pole	5	9	61329.	
4 transformers, 1 pole	4	8	61326.	  61...- 61...A
4 transformers, 2 pole	6	12	61330.	

Volt-Ammeter Selector Switches








Description	Stages	Contacts	Ident No.	Ident No. with inscription
3 voltages L-L, 3 currents	5	10	61336.	    61...- 61...A 61...B 61...C
3 phase voltages L-N, 3 currents	5	9	61338.	
4 voltages, 3 currents	6	11	61337.	
				   61337- 61337A 61337B

Switching programmes







Control Switches with spring return

Description	Stages	Contacts	Ident No.	Ident No. with inscription
Control Switches				
1 pole	1	2	61300.	
2 pole	2	4	61388.	
without jumpers				
1 pole	1	2	61700.	
				61...- 61...A 61...B 61...C
Control Switches with position indication				
1 pole	1	2	61301.	
without jumpers				
1 pole	1	2	61701.	
				
				61...- 61...A 61...B 61...C
Controlling two contactors				
Standard	2	3	61307.	
without jumpers	2	3	61707.	
				
				61...- 61...A 61...B
With spring return				
4 auxiliary contacts	2	4	61366.	
Motor voltage control switch	2	3	61271.	
single winding contactor	4	8	61272.	
				61...- 61...T

Motor Reversing Switches






Description	Stages	Contacts	Ident No.	Ident No. with inscription
2 pole	2	4	61210.	
3 pole	3	5	61211.	
				
				61...- 61...A 61...B
3 pole with spring return	3	5	61253.	
				
				61253- 61253T
3 pole, complete rotation	3	5	61214.	
				
				61214- 61214A

Star-Delta Switches




Description	Stages	Contacts	Ident No.	Ident No. with inscription
Standard	4	8	61200.	
Contact closed in "OFF"/"STOP"	5	9	61239.	
				
				
				61...- 61...A 61...B 61...C
Spring return from START to "OFF"	4	8	61201.	
				
				61201- 61201A

Switching programmes










Star-Delta Switches

Description	Stages	Contacts	Ident No.	Ident No. with inscription
for use with contactor	4	7	61240.	   61240- 61240A 61240B
Reversing Star-Delta Switches Standard	5	10	61203.	  61203- 61203A

Multi-Speed Switches

Description	Stages	Contacts	Ident No.	Ident No. with inscription
2 speeds single winding	4	8	61212.	 
single winding - contactor control	5	10	61215.	61...- 61...A
2 separate windings	3	6	61219.	
2 speeds single winding	4	8	61213.	  61213- 61213A
3 speeds speed 1+3 Dahlander	6	11	61226.	  61...- 61...A
speed 2+3 Dahlander	6	11	61243.	
Reversing Multi-Speed Switches 2 speeds, single winding	6	12	61217.	   61217- 61217A 61217B

Auxiliary Phase Switches

Description	Stages	Contacts	Ident No.	Ident No. with inscription
Standard	2	3	61208.	    61208- 61208A 61208B 61208C
2 directions	3	6	61209.	   61209- 61209A 61209B
2 directions phase continuously under load	3	6	61270.	  61270- 61270A