

salzer

Made by Salzer



salzer
products approved in 2023
△ CE CB
www.salzer-electric.com



樂清市樂怡電器有限公司
YUEQING LEYI ELECTRIC CO., LTD.

salzer



Brief Introduction

YUEQING LEYI ELECTRIC CO.,LTD. is one of the biggest manufacturer and exporter of rotary switch in Wenzhou China. We manufacture 10-315Amp full series rotary switches. All the switches are as per IEC60947-3. Our 16A, 25A, 32A, 40A, 63A and 80A series rotary switch had been approved by TUV, CE and CB test.

salzer is our registered trademark. Now YUEQING LEYI ELECTRIC CO.,LTD. has established long term business connection with over 70 countries. With superior quality and excellent service, YUEQING LEYI ELECTRIC CO.,LTD. will be one of the most significant and dynamic company in electrical products area.

Thank you for choosing our salzer brand products!



salzer
△ CE CB

Rotary Switches
SA□ Series



SA10



SA16



SA16



SA25



SA32/SA40



SA63/SA80



SA125



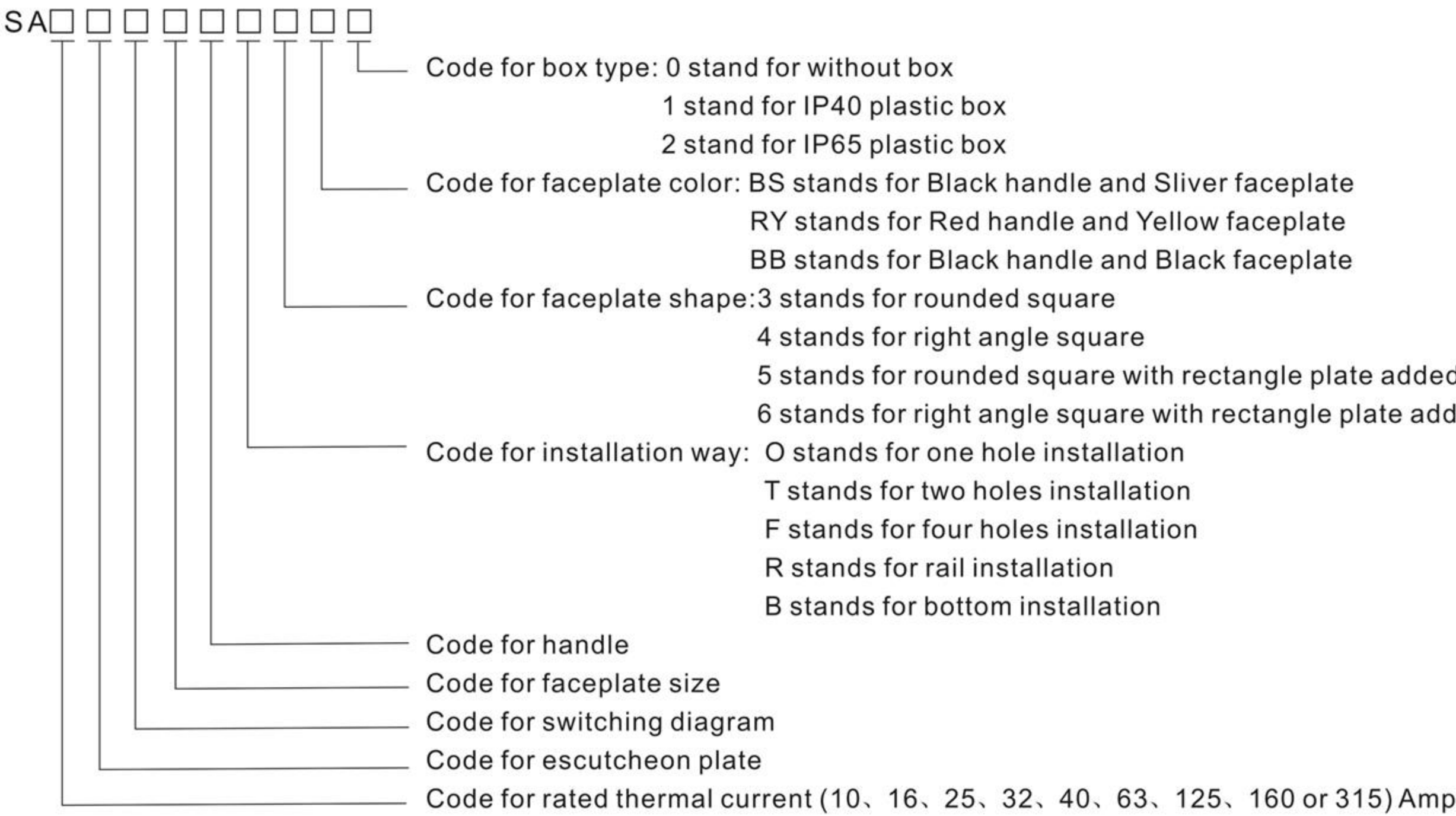
SA160



SA315

Made by Salzer

Ordering Information



Use as control switches

Re: Character code represent the rotating type, for example, we have limited movement, spring return and limited movement with spring return.

Use as motor switches

Re: Switches in this catalogue normally rotate at 60°. The motor power(3 phase AC) must be marked if the switch will be used as motor switch.

Use as control switch for a main circuit

Re: Switches in this catalogue normally rotate at 60° .

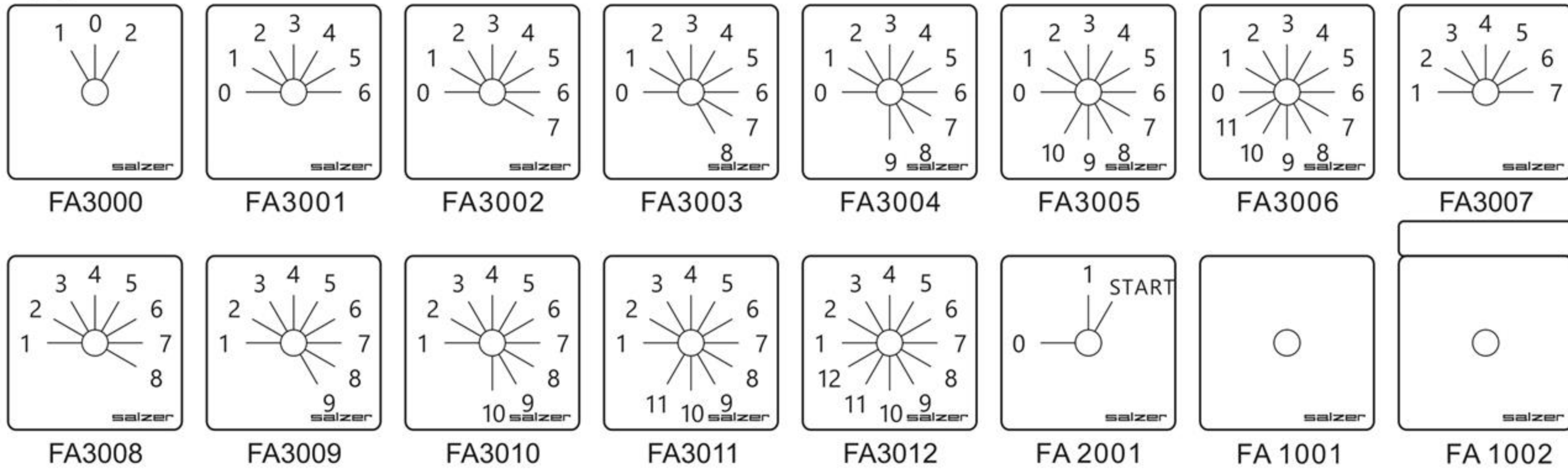
Technical parameters

Description		SA10	SA16	SA25	SA32	SA63	SA125	SA160	SA315
Rated insulation voltage Ui	V	440	660/690	660/690	660/690	660/690	660/690	660/690	660/690
Rated thermal current Ith	A	10	16	25	32	63	125	160	315
Rated working voltage Ue	V	120 240 440	120 240 440	120 240 440	120 240 440	240 440	240 440	240 440	240 440
Rated working current Ie									
AC-21A AC-22A	A	10 10	16 16	25 25	32 32	63 63	100 100	150 150	315 315
AC-23A	A	7.5 7.5	13 13	22 22	30 30	57 57	90 90	135 135	265 265
AC-2	A	7.5 7.5	13 13	22 22	30 30	57 57	90 90	135 135	265 265
AC-3	A	5.5 5.5	11 11	15 15	22 22	36 36	75 75	95 95	110 110
AC-4	A	1.75 1.75	3.5 3.5	6.5 6.5	11 11	15 15	30 30	55 55	95 95
AC-15	A	2.5 1.5	5 4	8 5	14 6				
DC-13	A		0.25	9 1.5	25 11				
Rated control power									
AC-23A	kW	1.8 3	3.7/2.5 7.5/3.7	5.5/3 11/5.5	7.5/4 15/7.5	15/10 30/18.5	30/15 45/22	37/22 75/37	75/37 132/55
AC-2	kW	2.5 3.7	4 7.5	5.5 11	7.5 15	18.5 30	30 45	37 55	55 95
AC-3	kW	1.5 2.2	3/2.2 5.5/3	4/3 7.5/3.7	5.5/4 11/5.5	11/6 18.5/11	15/7.5 30/13	22/11 37/18.5	37/22 55/30
AC-4	kW	0.37 0.55	0.55/0.75 1.5/1.5	1.5 3/2.2	2.7/1.5 5.5/3	5.5/2.4 7.5/4	6/3 12/5.5	10/4 15/7.5	15/7.5 25/11

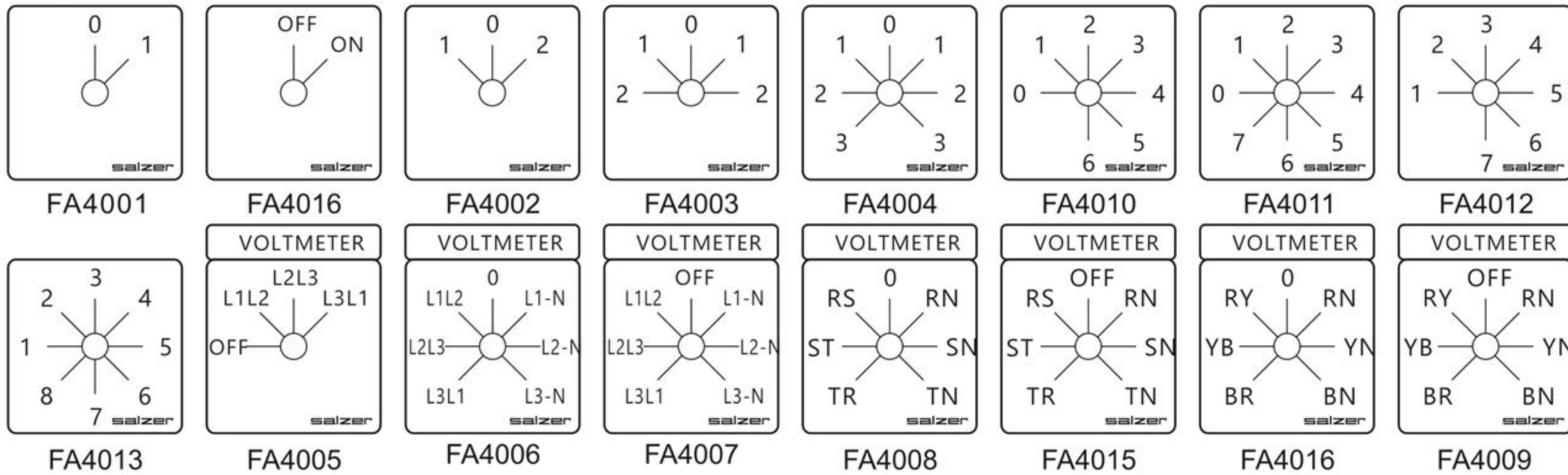
Rotary Switches

Code for escutcheon plate

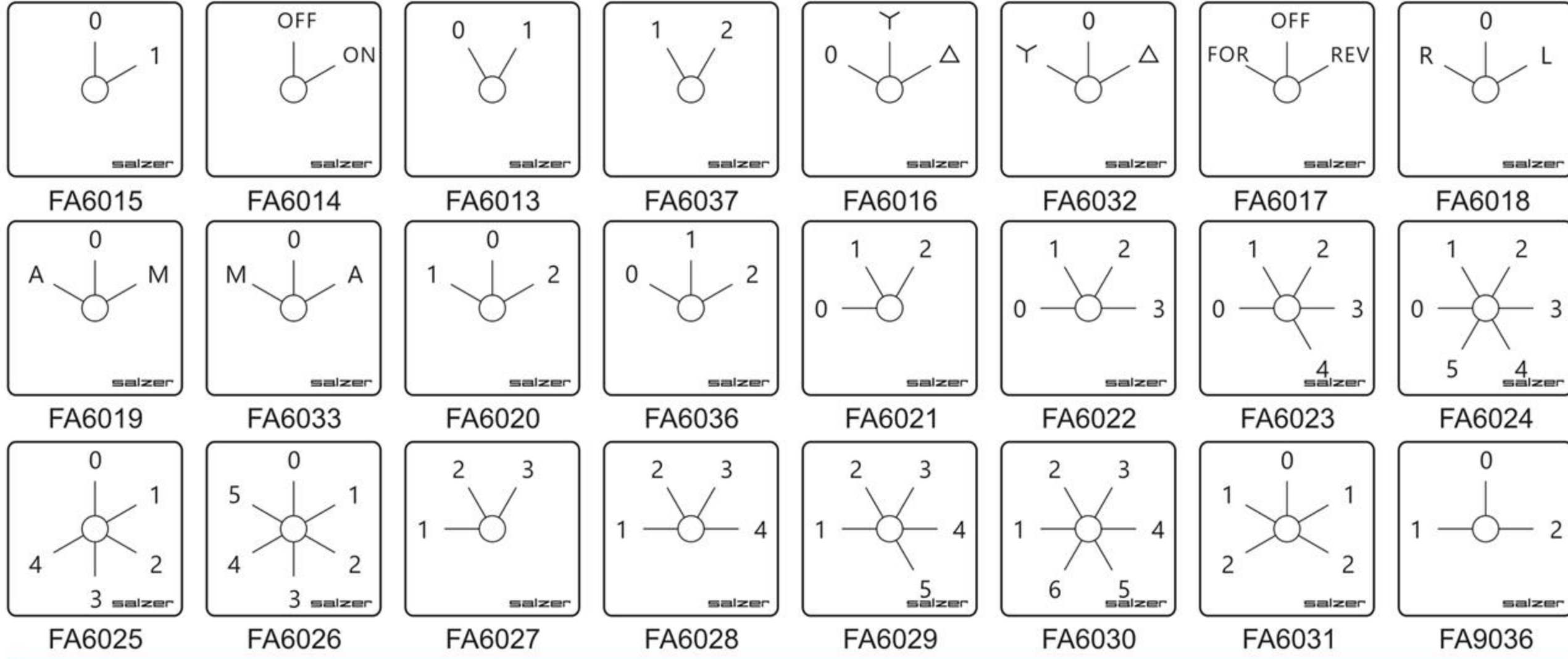
30°



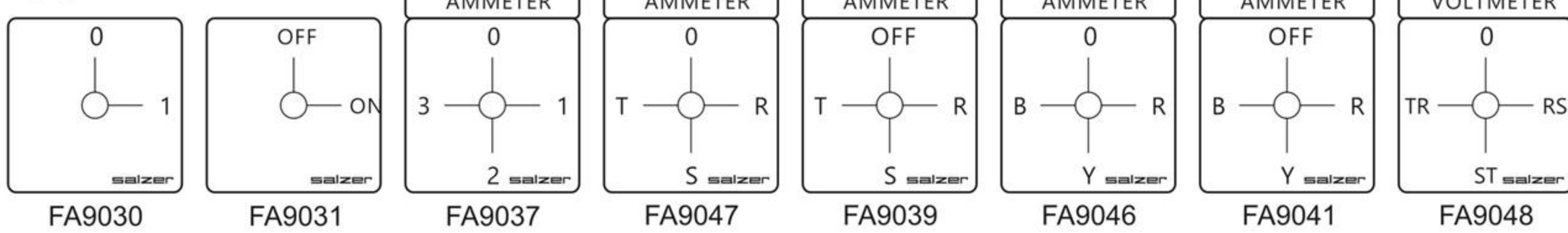
45°



60°

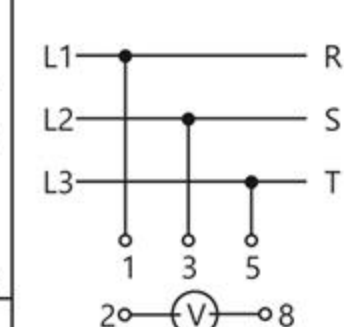
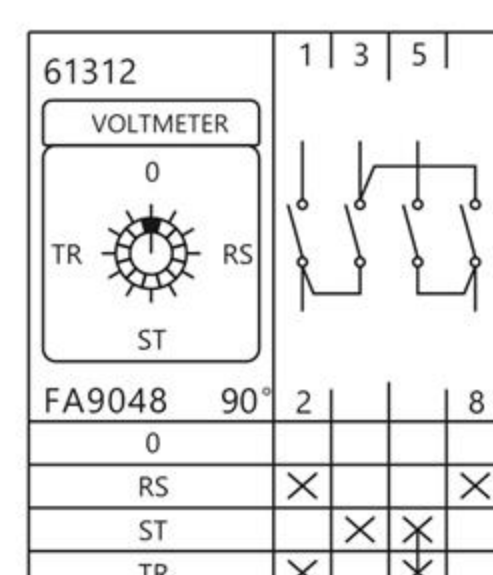
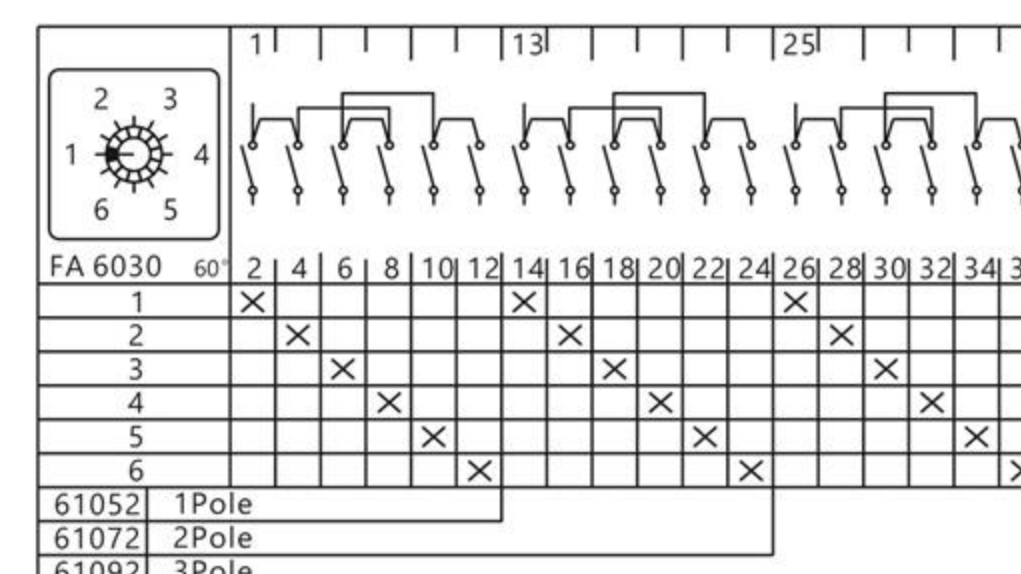
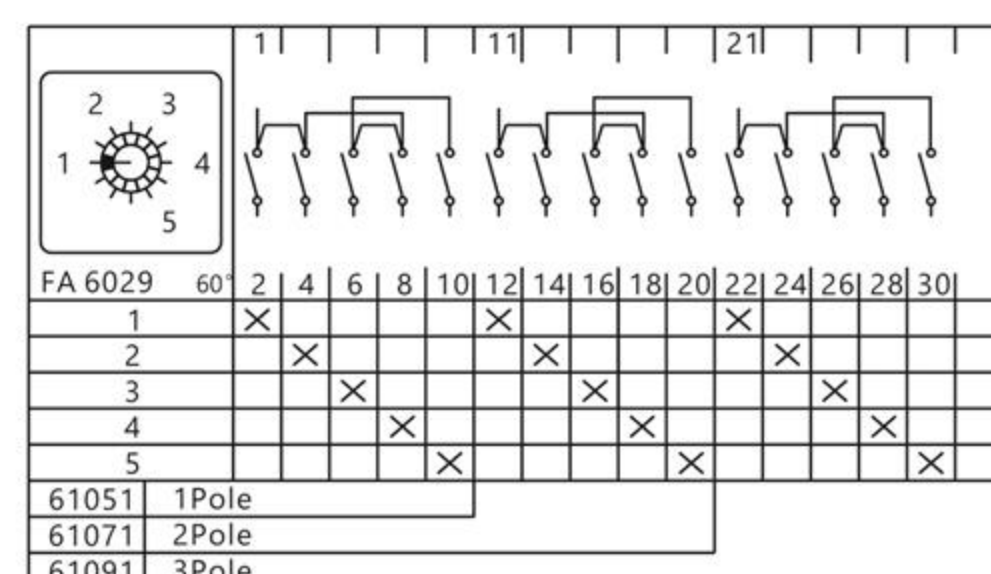
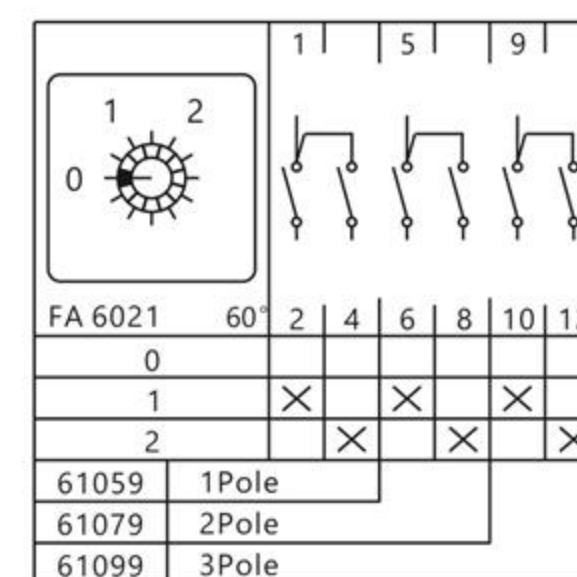
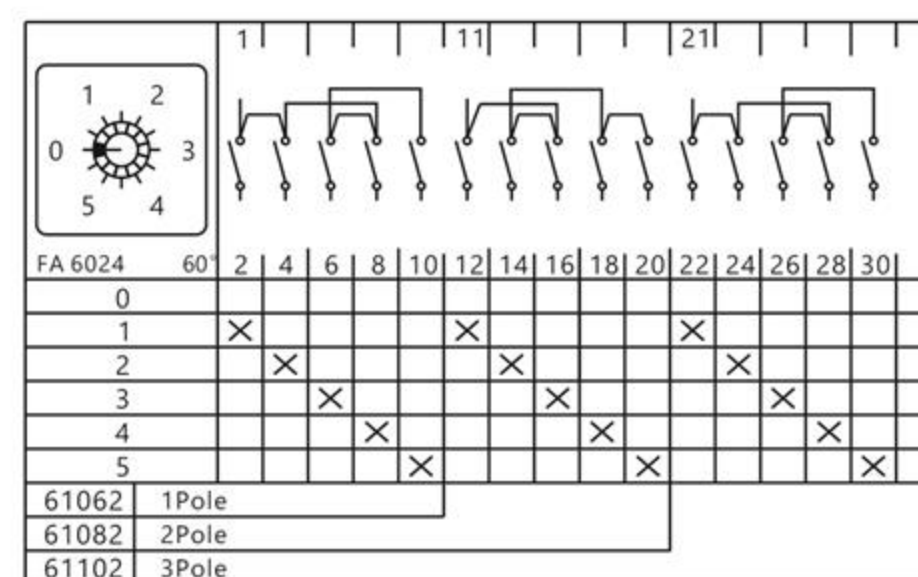
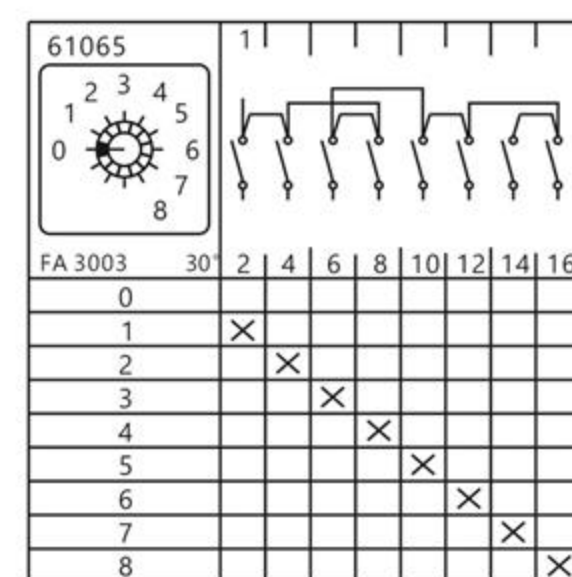
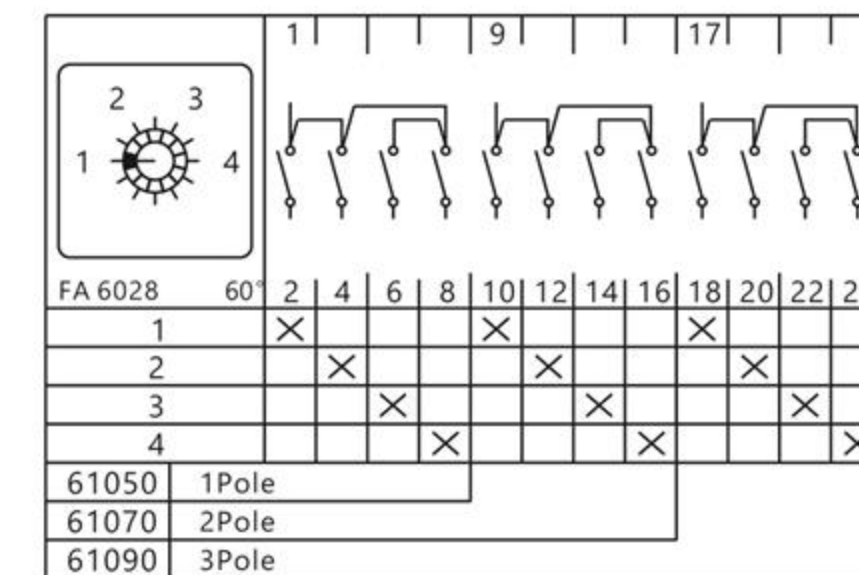
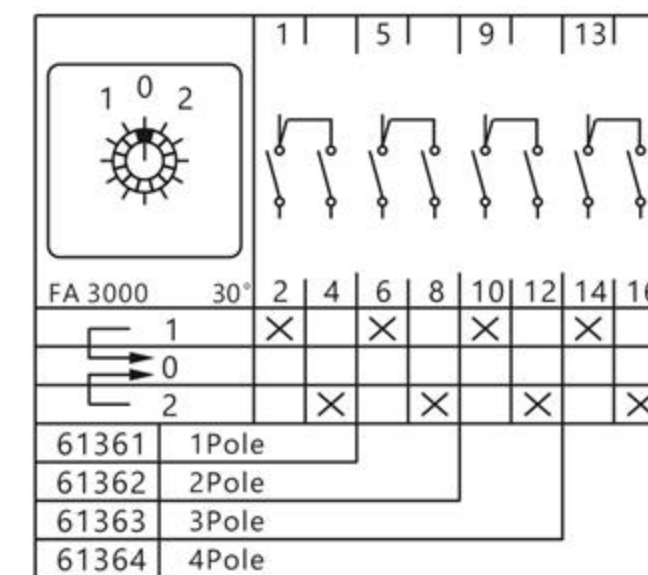
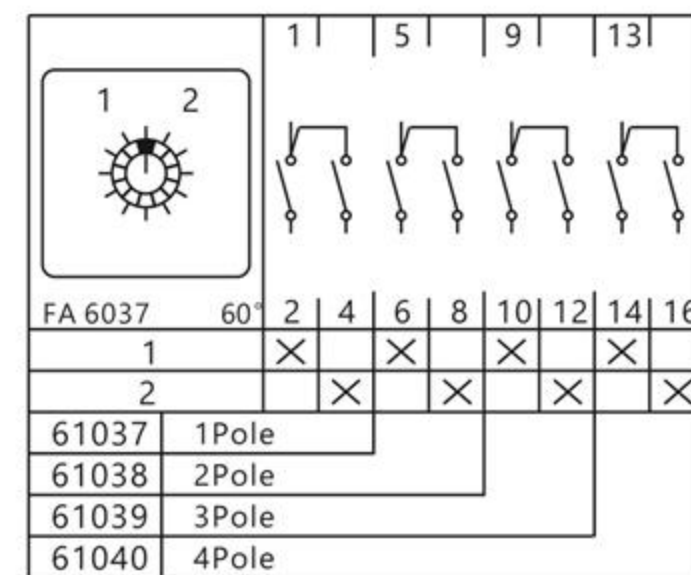
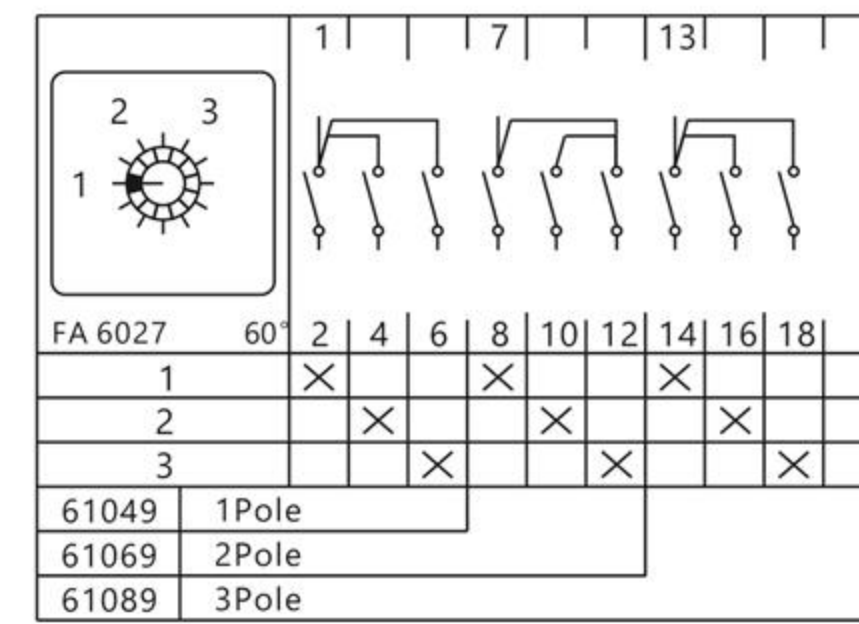
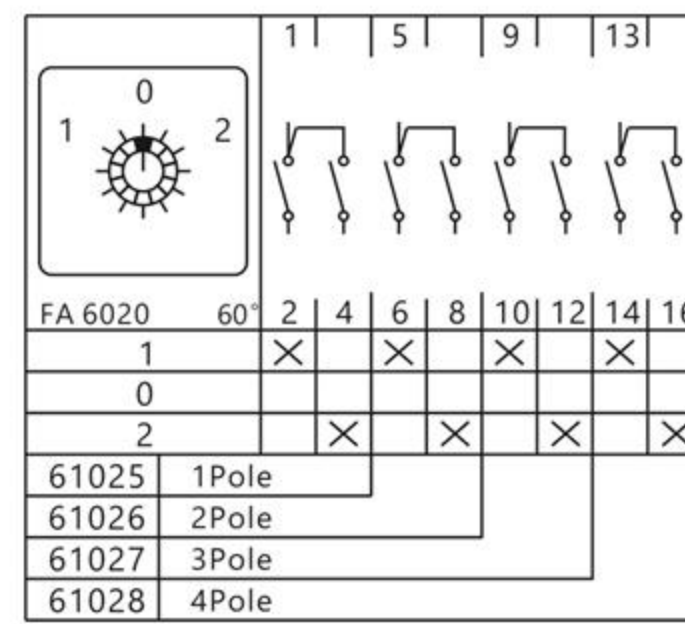
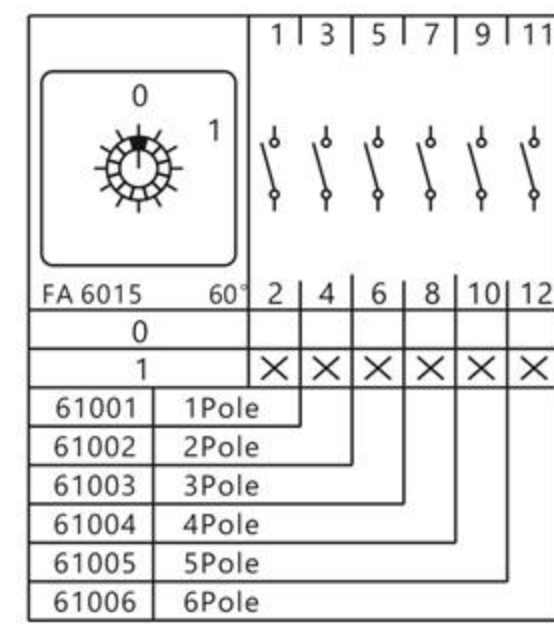


90°



Rotary Switches SA□ Series

Code for switching diagram



Rotary Switches SA□ Series

Code for faceplate size, faceplate shape and handle

Faceplate size and shape Type of handle

Re: ● Standard, ● Optional.

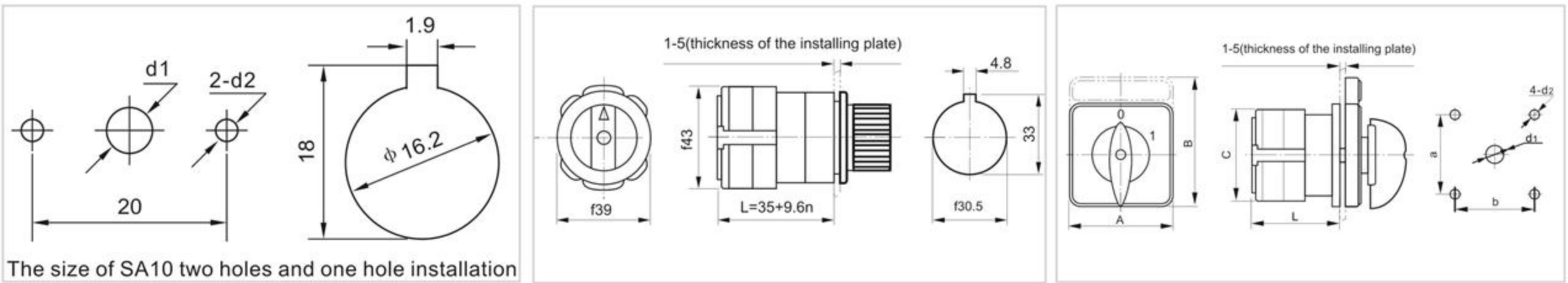
Faceplate size and shape	Type of handle	Color	Faceplate					Type of handle	Color	Faceplate		
			M0	M1	M2	M3	M4			M1	M2	M3
M0	I	Black	●	●	●	●	●	R	Black	●	●	●
M1		Red	●	●	●	●	●		Red	●	●	●
M2		White	●	●	●	●	●		White	●	●	●
M3		Gray	●	●	●	●	●		Gray	●	●	●
M4	F	Black	●	●	●	●	●	B	Black	●	●	●
M1		Red	●	●	●	●	●		Red	●	●	●
M2		White	●	●	●	●	●		White	●	●	●
M3		Gray	●	●	●	●	●		Gray	●	●	●
M4	P	Black	●	●	●	●	●	K	Black	●	●	●
M1		Red	●	●	●	●	●		Red	●	●	●
M2		White	●	●	●	●	●		White	●	●	●
M3		Gray	●	●	●	●	●		Gray	●	●	●

Re: 3 stands for rounded square; 4 stands for right angle square; 5 stands for rounded square with rectangle plate added; 6 stands for right angle square with rectangle plate added.

Product	Faceplate					Type of handle						Rotating angle				Maximum Number of stages		
	M0	M1	M2	M3	M4	R	F	I	B	P	K	30°	45°	60°	90°	12	8	4
SA10	●							●						●				●
SA16		●	●			●	●	●	●			●	●	●	●	●		
SA25		●	●	●		●	●	●	●			●	●	●	●	●		
SA32			●	●		●	●	●	●	●	●	●	●	●	●	●		
SA63			●	●		●	●	●	●	●	●	●	●	●	●	●	●	
SA125				●		●				●	●	●	●	●	●	●	●	
SA160				●		●				●	●	●	●	●	●	●	●	
SA315					●			●		●		●	●	●	●	●	●	

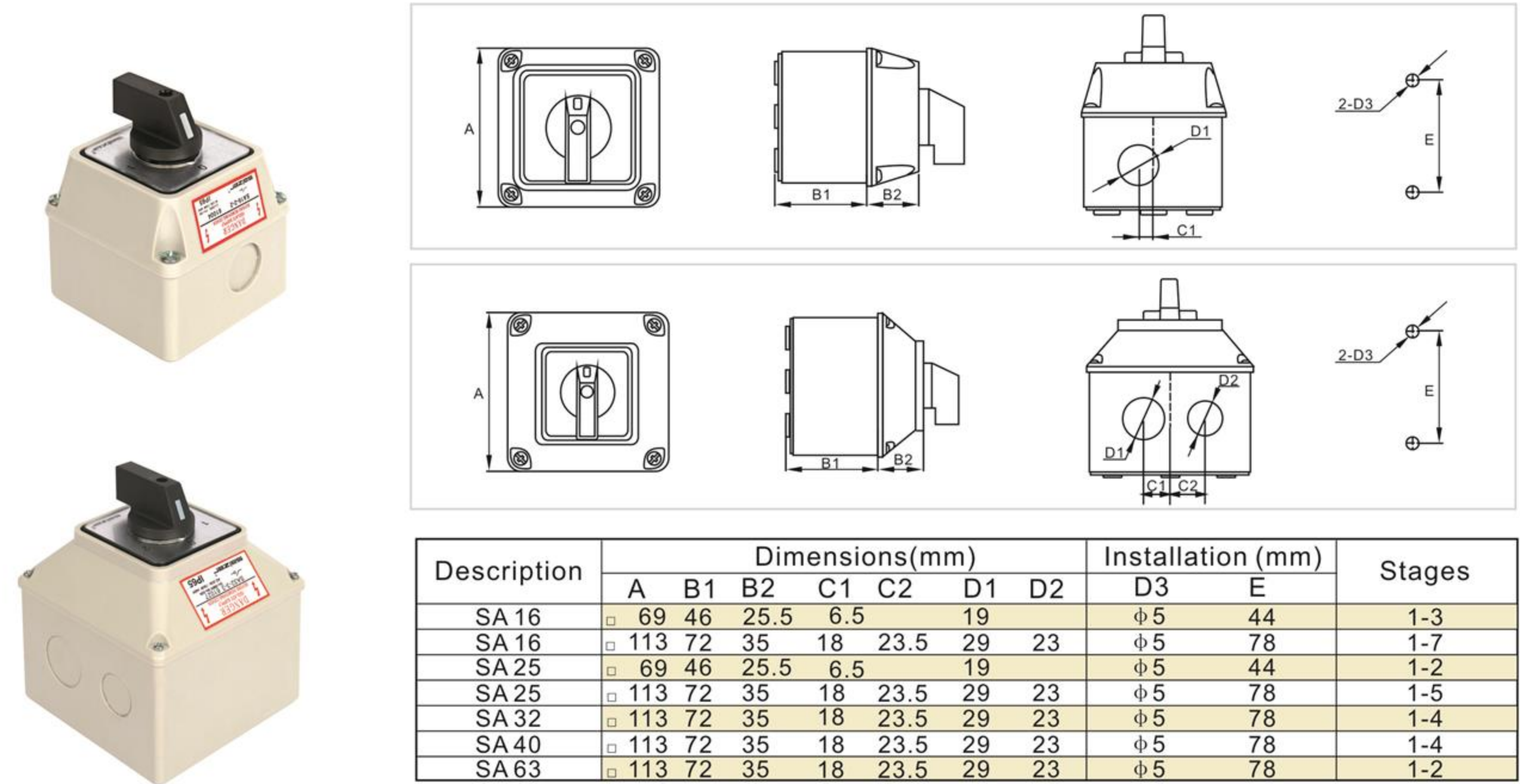
Rotary Switches SA□ Series

Dimensions and installation



Description	Faceplate	Overall Dimensions(mm)				Installation Dimensions(mm)			
		A	B	C	L	a	b	d1	d2
SA10	M0 square	30	30	28	26.5+12n			φ 8	φ 3.2
SA16	M1 square	48	48	43	22+9.6n	36	36	φ 8.5	φ 4.5
	M1 square with rectangle plate added	48	60	43	22+9.6n	36	36	φ 8.5	φ 4.5
	M2 square	64	64	43	25+9.6n	48	48	φ 10	φ 4.5
	M2 square with rectangle plate added	64	80	43	25+9.6n	48	48	φ 10	φ 4.5
SA25	M1 square	48	48	45.2	23+12.8n	36	36	φ 8.5	φ 4.5
	M1 square with rectangle plate added	48	60	45.2	23+12.8n	36	36	φ 8.5	φ 4.5
	M2 square	64	64	45.2	26.5+12.8n	48	48	φ 10	φ 4.5
	M2 square with rectangle plate added	64	80	45.2	26.5+12.8n	48	48	φ 10	φ 4.5
SA32	M2 square	64	64	58	29.2+12.8n	48	48	φ 10	φ 4.5
	M2 square with rectangle plate added	64	80	58	29.2+12.8n	48	48	φ 10	φ 4.5
SA63	M2 square	64	64	66	29.2+21.5n	48	48	φ 10	φ 4.5
	M2 square with rectangle plate added	64	80	66	29.2+21.5n	48	48	φ 10	φ 4.5
	M3 square	88	88	66	29.2+21.5n	68	68	φ 13	φ 6
SA125	M3 square	88	88	84	35+26.5n	68	68	φ 13	φ 6
SA160	M3 square	88	88	88	35+32.5n	68	68	φ 13	φ 6
SA315	M4 square	130	130	126	39.5+38.5n	104	104	φ 16	φ 7

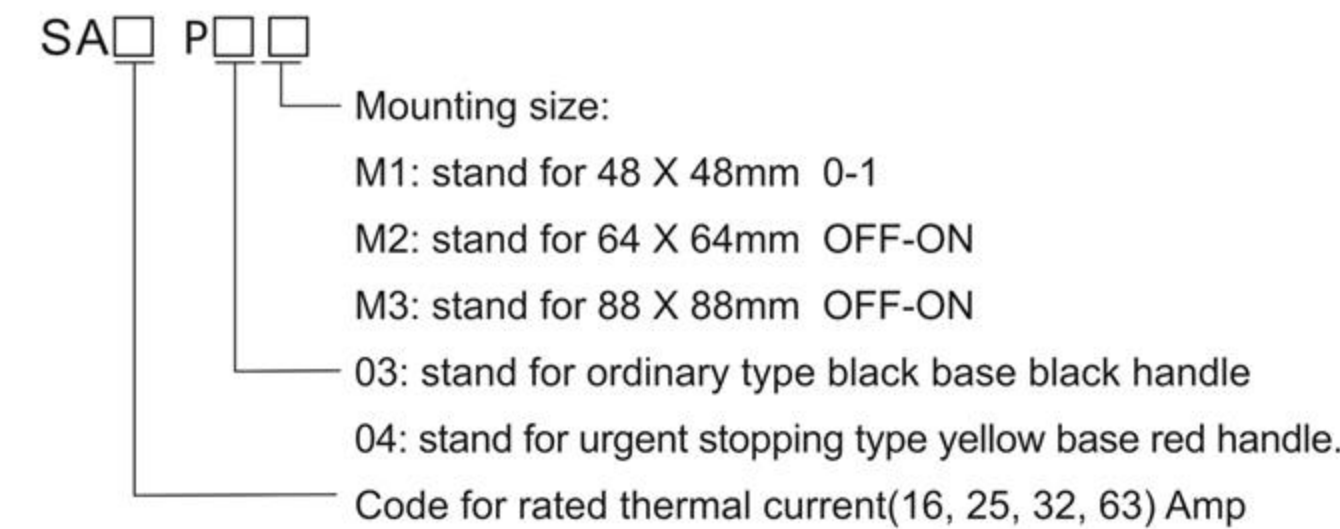
Re: n stand for number of stages.



Description	Dimensions(mm)							Installation (mm)		Stages
	A	B1	B2	C1	C2	D1	D2	D3	E	
SA 16	69	46	25.5	6.5		19		φ5	44	1-3
SA 16	113	72	35	18	23.5	29	23	φ5	78	1-7
SA 25	69	46	25.5	6.5		19		φ5	44	1-2
SA 25	113	72	35	18	23.5	29	23	φ5	78	1-5
SA 32	113	72	35	18	23.5	29	23	φ5	78	1-4
SA 40	113	72	35	18	23.5	29	23	φ5	78	1-4
SA 63	113	72	35	18	23.5	29	23	φ5	78	1-2

Rotary Switches
SA□ Series Padlock type

Ordering Information



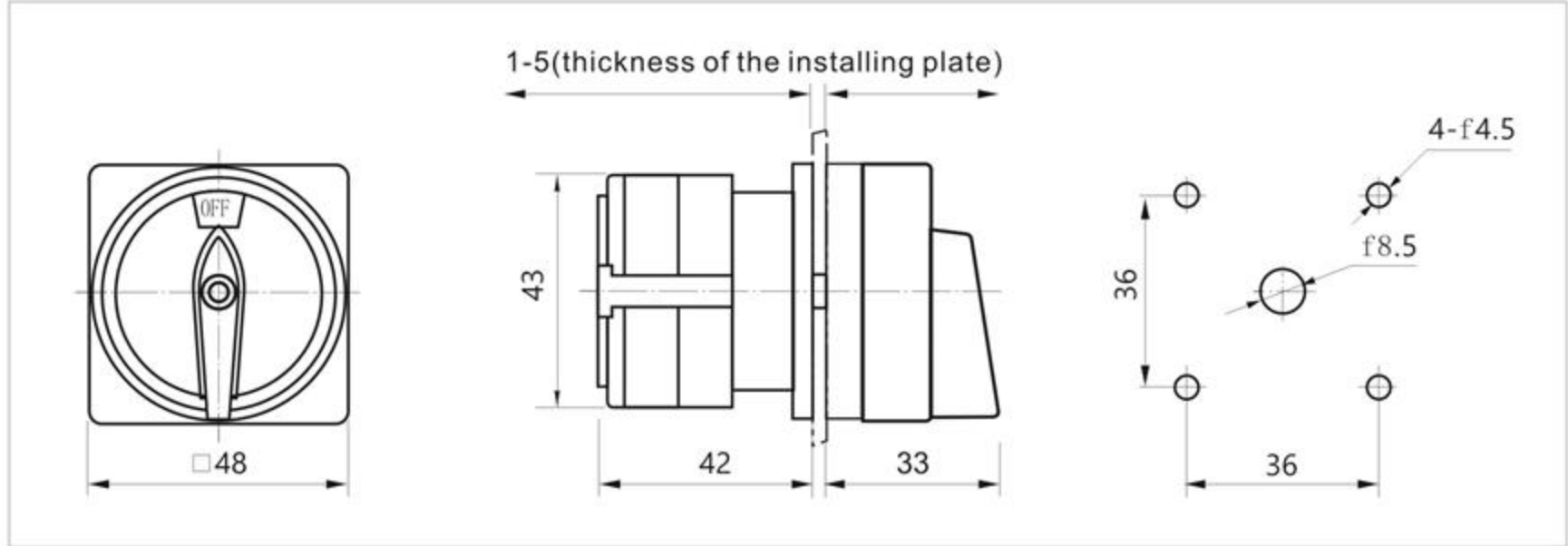
For example: SA16 P04M1
16amp, urgent stopping type, 48×48 mount size.

Technical parameters

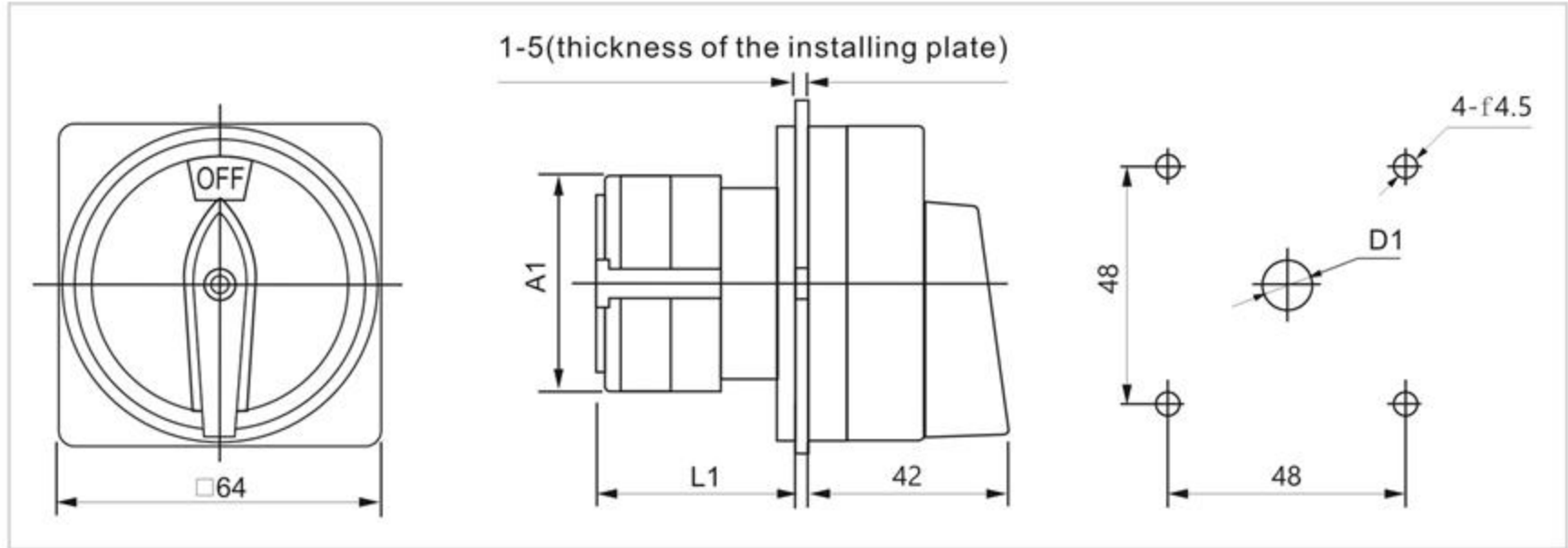
Description		SA16	SA25	SA32	SA63
Rated insulation voltage Ui	V	660/690	660/690	660/690	660/690
Rated working voltage Ue	V	440	440	440	440
Rated thermal current Ith	A	16	25	32	63
Rated working current Ie					
AC-21A	A	16	25	32	63
AC-22A	A	16	25	32	63
AC-23A	A	13	22	30	57
Rated control power					
AC-23A	kW	7.5	11	15	30
Switch life					
Non-load		8500	8500	8500	8500
Load		1500	1500	1500	1500
Total		10000	10000	10000	10000

Dimension and installation

SA16 P□M1 Small faceplate with padlock



SA□ P□M2 Large faceplate with padlock



Description	Dimension(mm)		
	A1	L1	D1
SA16 P□□	43	43	φ 8.5
SA25 P□□	45.2	51	φ 8.5
SA32 P□□	58	55	φ 10
SA63 P□□	66	72.5	φ 10

Rotary Switches
SA□ Series Keylock type

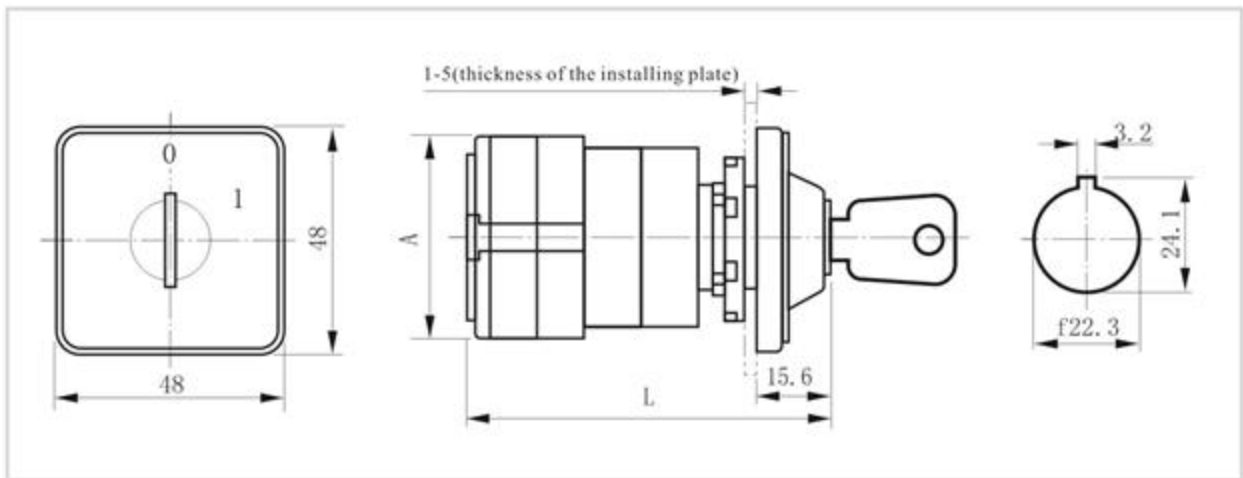
Technical parameters

Description		SA16	SA25	SA32
Rated insulation voltage Ui	V	660/690	660/690	660/690
Rated working voltage Ue	V	440	440	440
Rated thermal current Ith	A	16	25	32
Rated working current Ie				
AC-21A	A	16	25	32
AC-22A	A	16	25	32
AC-23A	A	13	22	30
Rated control power				
AC-23A	kW	7.5	11	15
Switch life				
Non-load		8500	8500	8500
Load		1500	1500	1500
Total		10000	10000	10000



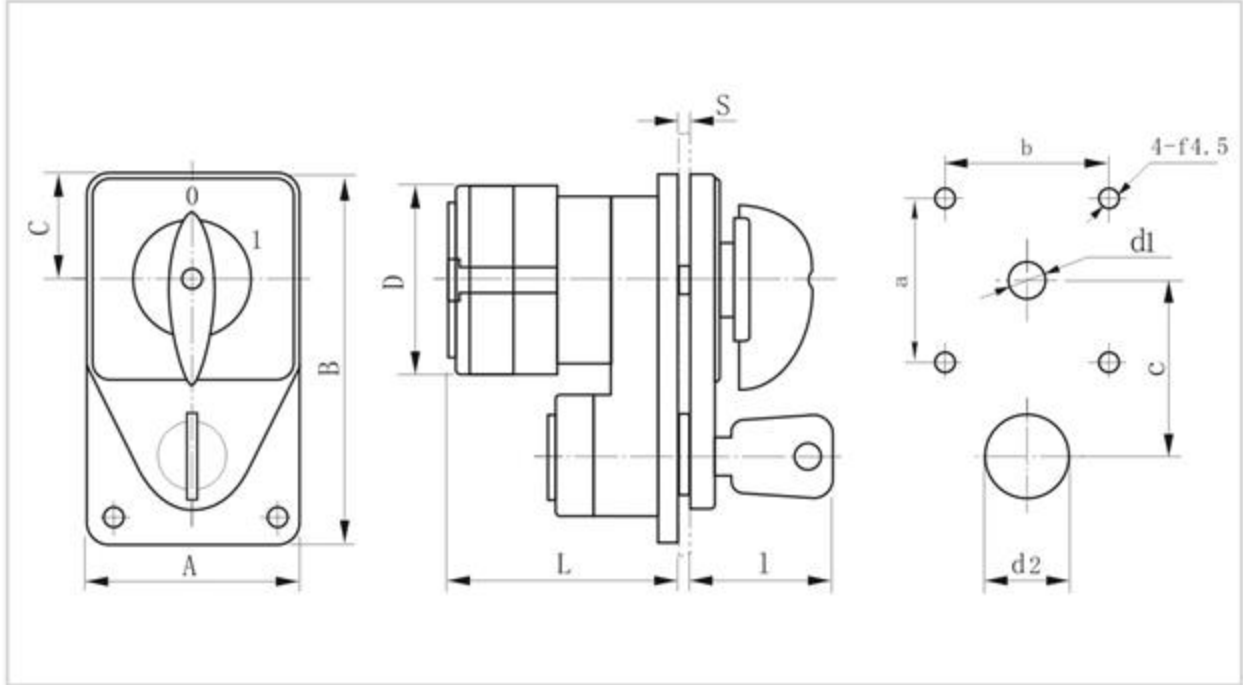
Dimension and installation

SA□ series KA type key switch



Description	Dimension(mm)	
	A	L
SA16 KA	43	76.5
SA25 KA	45.2	83

SA□ series KB type key switch



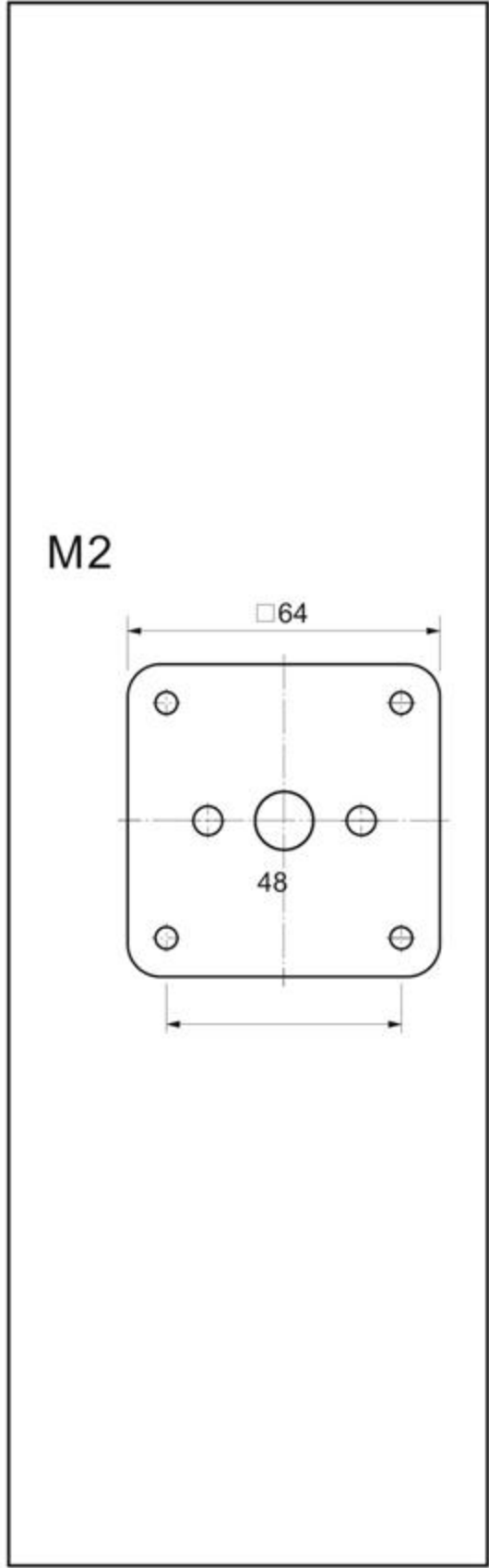
Description	Dimension(mm)							Installation(mm)				
	A	B	C	D	L	I	S	a	b	c	d1	d2
SA16 KB	48	84	24	43	51.5	32.5	1~4	36	36	40	φ 8.5	φ 20
SA25 KB	48	84	24	45.2	58	32.5	1~4	36	36	40	φ 8.5	φ 20
SA32 KB	64	112	32	58	85	34	1~6	48	48	48	φ 10	φ 34
SA63 KB	64	112	32	66	104	34	1~6	48	48	48	φ 10	φ 34



Technical parameter

Description		SAA16		SAA32		SAA40		SAA63		SAA80		SAA100	
Ui	V	660/690								1000			
Ith	A	16		32		40		63		80		100	
Rated	Ue	le	Pe	le	Pe	le	Pe	le	Pe	le	Pe	le	Pe
		A	kW	A	kW	A	kW	A	kW	A	kW	A	kW
Type	V												
AC-21A	240	16	—	32	—	40	—	63	—	80	—	100	—
	440												
AC-22A	240	16	—	22	—	40	—	63	—	80	—	100	—
	440												
AC-23A	240	13	4	22	5.5	30	7.5	43	11	57	18.5	70	22
	440		7.5		11		15		22		30		37
AC-3	240	11	3	15	4	22	7.5	36	11	43	15	57	18.5
	440		5.5		7.5		11		18.5		22		30

Specification of the panel



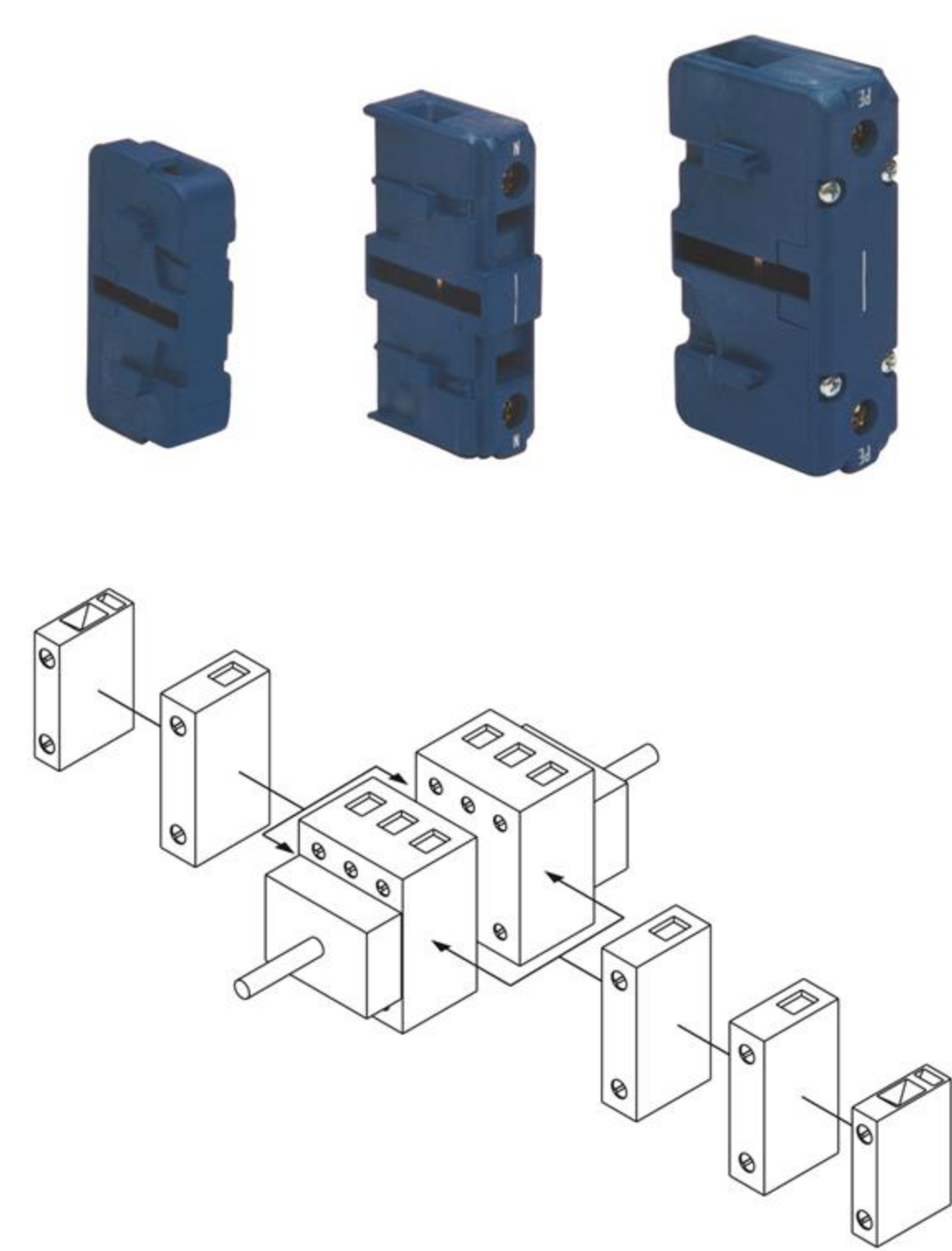
Type of the handle



Accessories



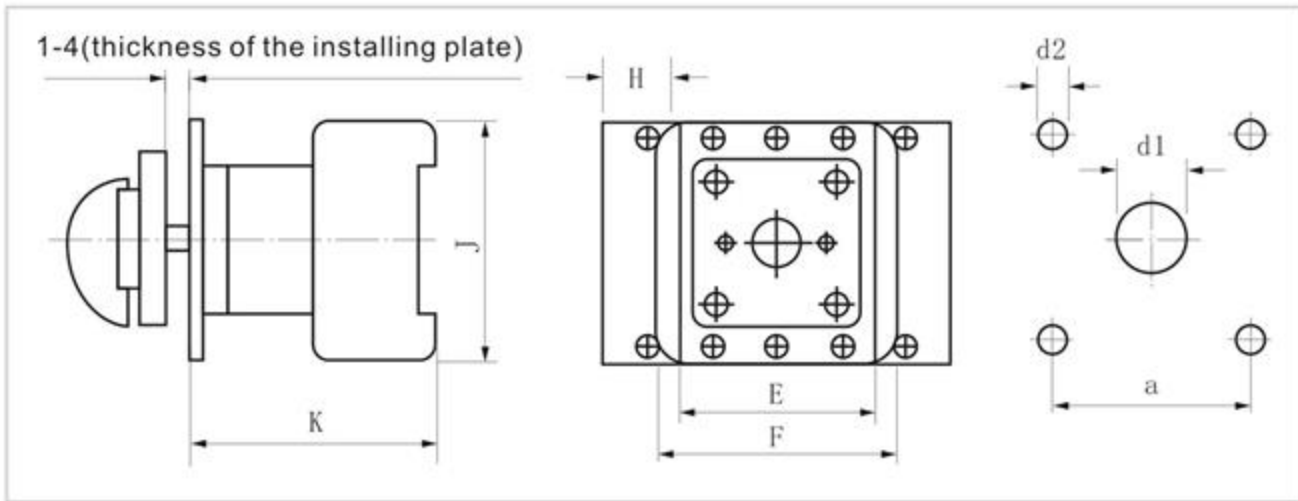
Auxiliary contact



Accessories for choosing

Dimension and installation

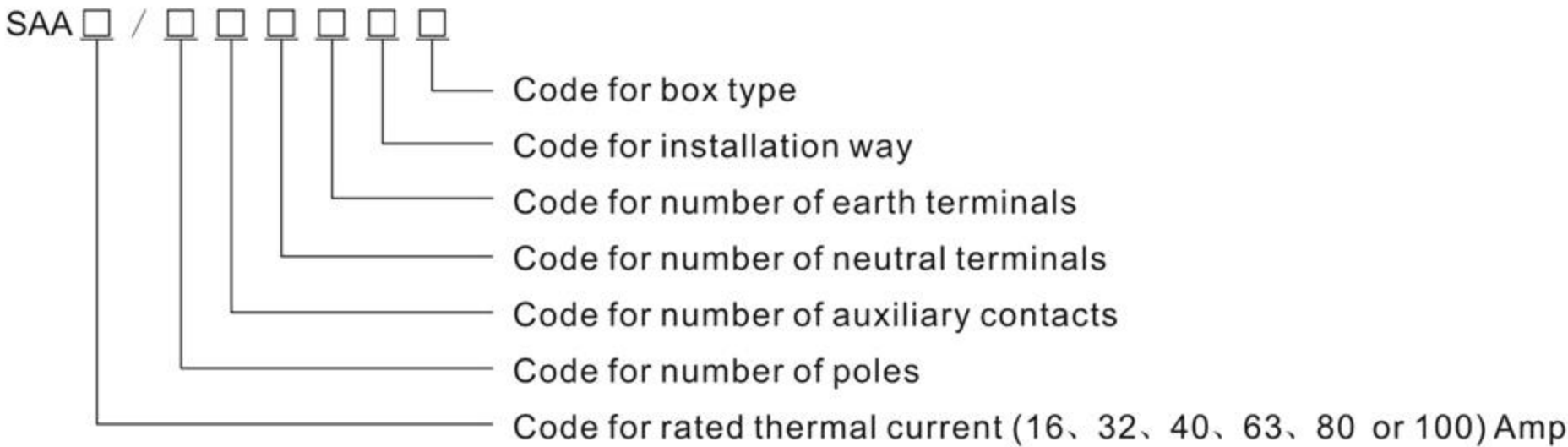
Square face switch



Description	Dimension(mm)					Installation(mm)		
	E	F	H	J	K	a	d1	d2
SAA16/3	42	64	13.5	54	61	48	10	4.2
SAA32/3	42	64	13.5	54	61	48	10	4.2
SAA40/3	50	64	16	64	67	48	10	4.2
SAA63/3	50	64	16	64	67	48	10	4.2
SAA80/3	70	64	22.5	80	82	48	10	4.2
SAA100/3	70	64	22.5	80	82	48	10	4.2

Ordering Information

Use as motor switch



The ordering method

- When you order SAA series switch, following data should be marked:
1. Rated thermal current: such as SAA 16.
 2. Other accessories code should be written in order.
 - 1) Number of poles: such as 3 or 4.
 - 2) Whether with auxiliary contact or not: 1 stands for with, 0 stands for without.
 - 3) Whether with neutral terminal or not: 1 stands for with, 0 stands for without.
 - 4) Whether with earth terminal or not: 1 stands for with, 0 stands for without.
 - 5) Installation way: 1 stands for faceplate installation with multi padlock.
2 stands for faceplate installation with I handle.
3 stands for door interlocking bottom rail installation with faceplate and I handle.
4 stands for door interlocking bottom rail installation with multi padlock.
5 stands for bottom rail installation with single padlock.
 - 6) Box type: 1 stands for IP65 plastic box, 0 stands for without.
 3. The following codes also should be marked besides the above two types of specifications:
 - 1) Faceplate codes: 1 stands for M1;
2 stands for M2;
3 stands for M3;
4 stands for $\phi 22.5$ one hole installation.
 - 2) Whether with faceplate sealed or not: 1 stands for with, 0 stands for without.
 - 3) Faceplate colour: 1 stands for dark silver colour;
2 stands for yellow colour;
3 stands for appointed colour.
 - 4) Faceplate mark: 1 stands for figures;
2 stands for letter;
3 stands for character;
4 stands for special mark.
 - 5) Handle codes should be indicated in the forth additional code: such as R or I or K. It usually means I if it does not indicate.
 4. Please contact us if you have any special requirements besides the above three types of specifications.

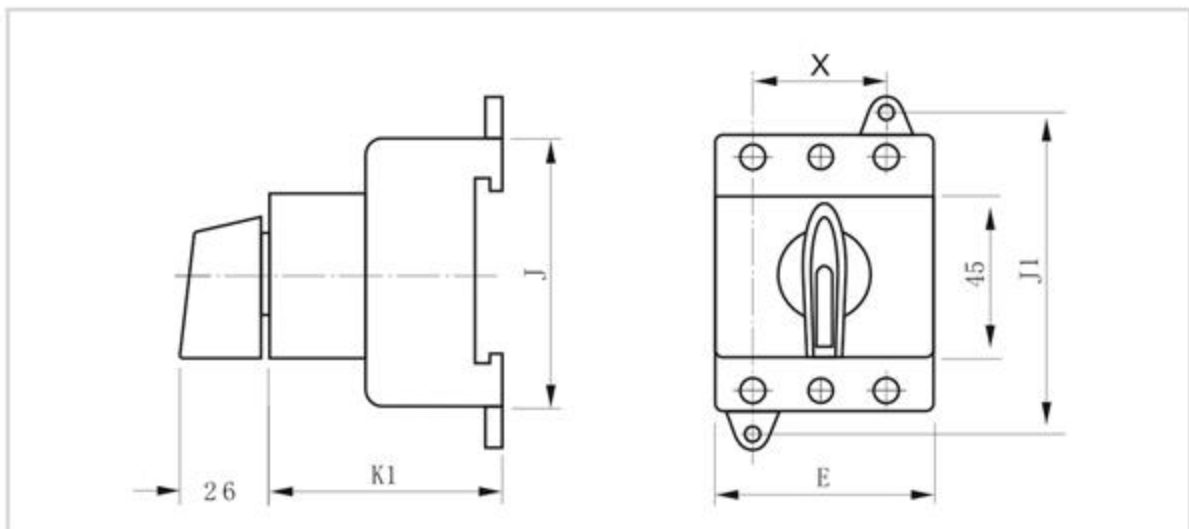
Example 1: You must write SA40/310120 if you want to order 40A/3 poles with auxiliary contact, earth terminal and faceplate installation, without neutral terminal and switch box.

Example 2: You must write SAA32/300030 if you want to order 32A/3 poles with door interlocking bottom installation with faceplate.

Example 3: You must write SAA40/310120.2122K if you want to order 40A/3 poles with auxiliary contact, earth terminal and faceplate installation, without neutral terminal and switch box. M2 faceplate, plate with airproof, yellow colour, letter, K type handle.

Dimension and installation

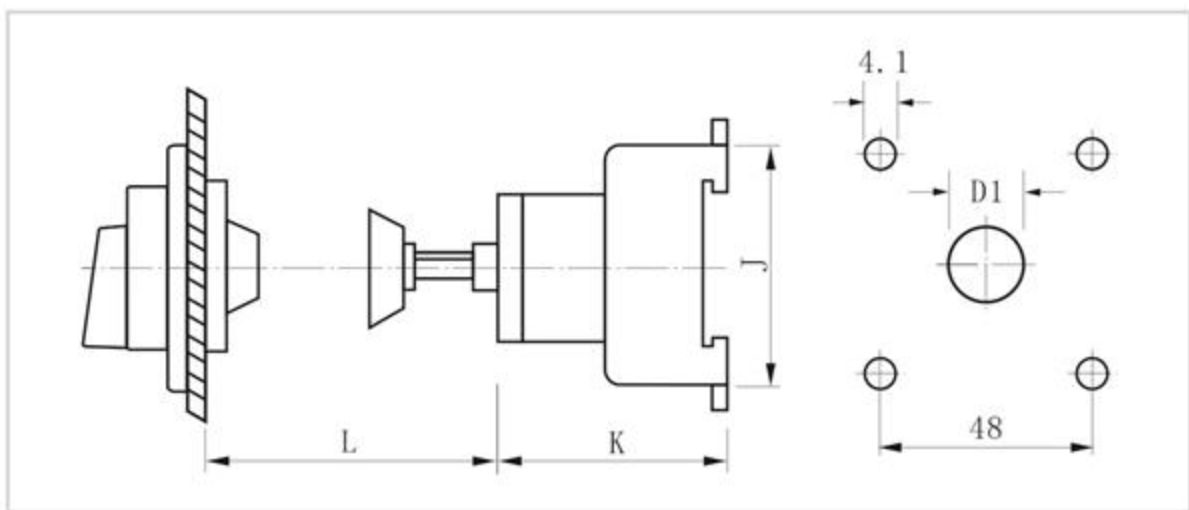
Bottom installation



Description	Dimension(mm)						Installation(mm)	
	E	H	J	K1	K2		J1	X
SAA16/3	42	13.5	54	50	50		60	22
SAA32/3	42	13.5	54	50	50		60	22
SAA40/3	50	16	64	59	61		70	25
SAA63/3	50	16	64	59	61		70	25
SAA80/3	70	22.5	80	65	68		90	25
SAA100/3	70	22.5	80	65	68		90	25

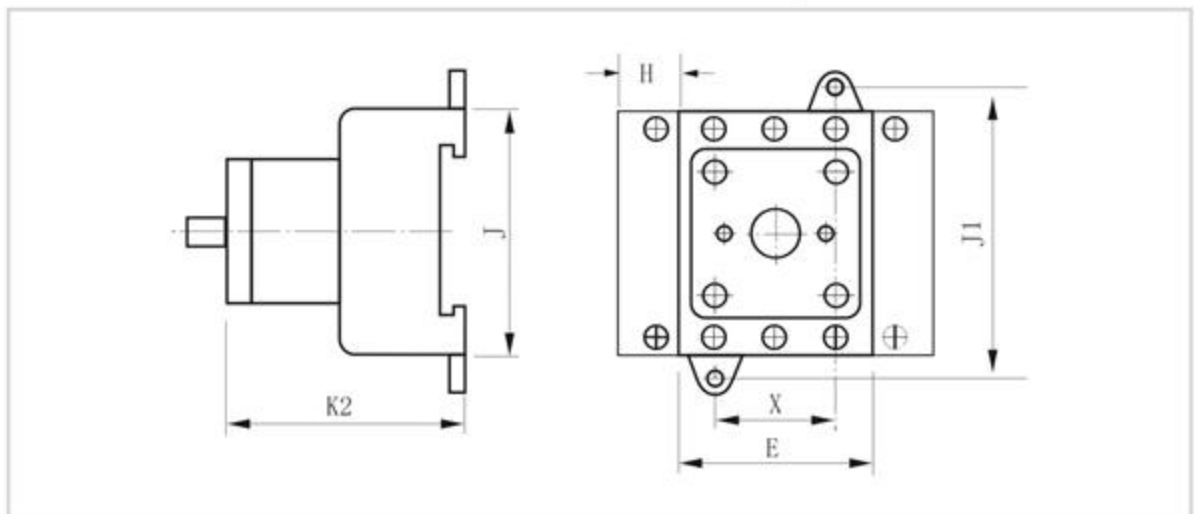
Doorlock safety switch

Doorlock safety switch with padlock system



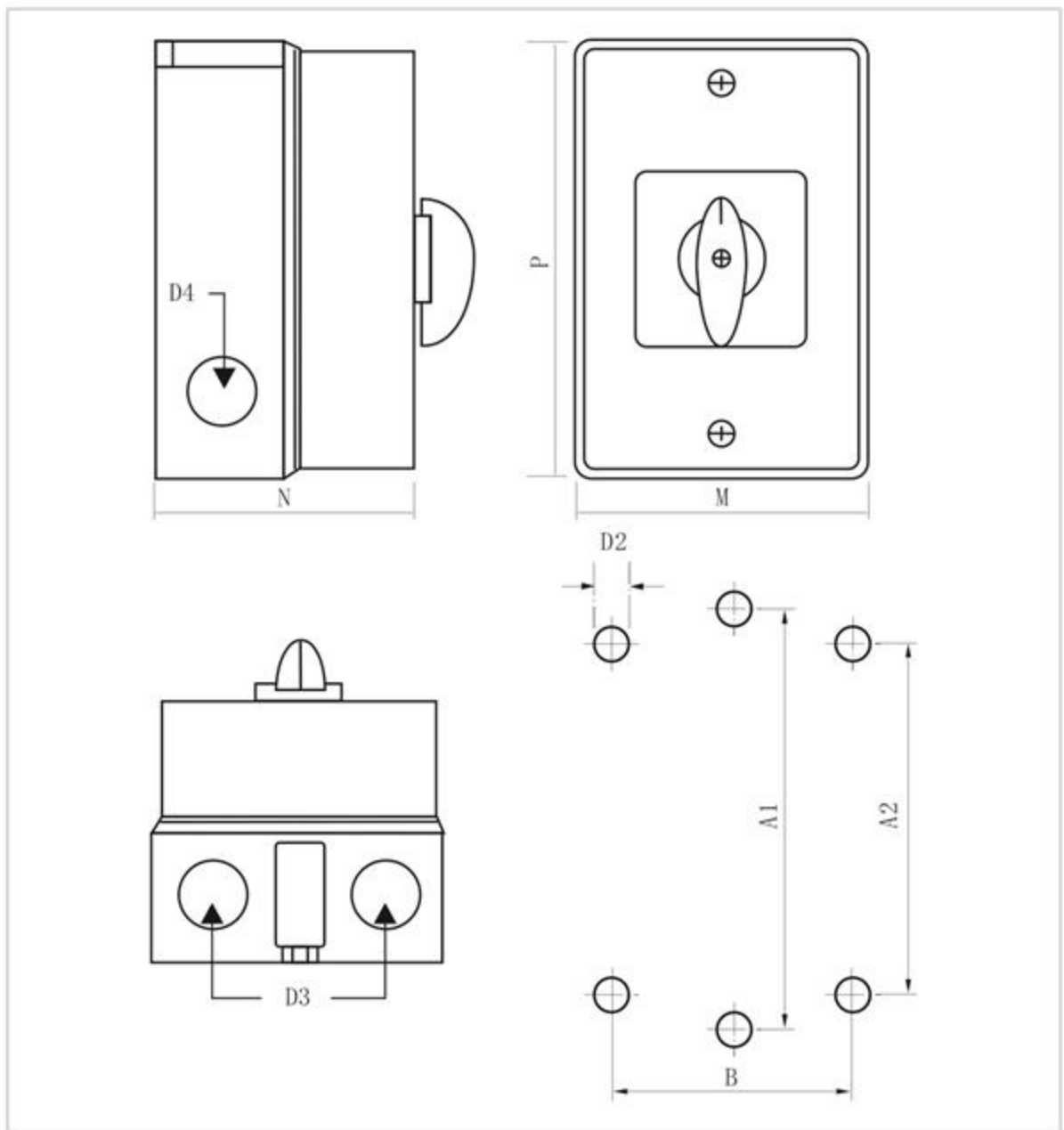
Description	Dimension(mm)			
	D1	K	Lmin	Lmax
SAA16	22	50	32	150
SAA32	22	50	32	150
SAA40	22	61	32	150
SAA63	22	61	32	150
SAA80	22	68	32	150
SAA100	22	68	32	150

Bottom installation and accessory



Dimension and installation

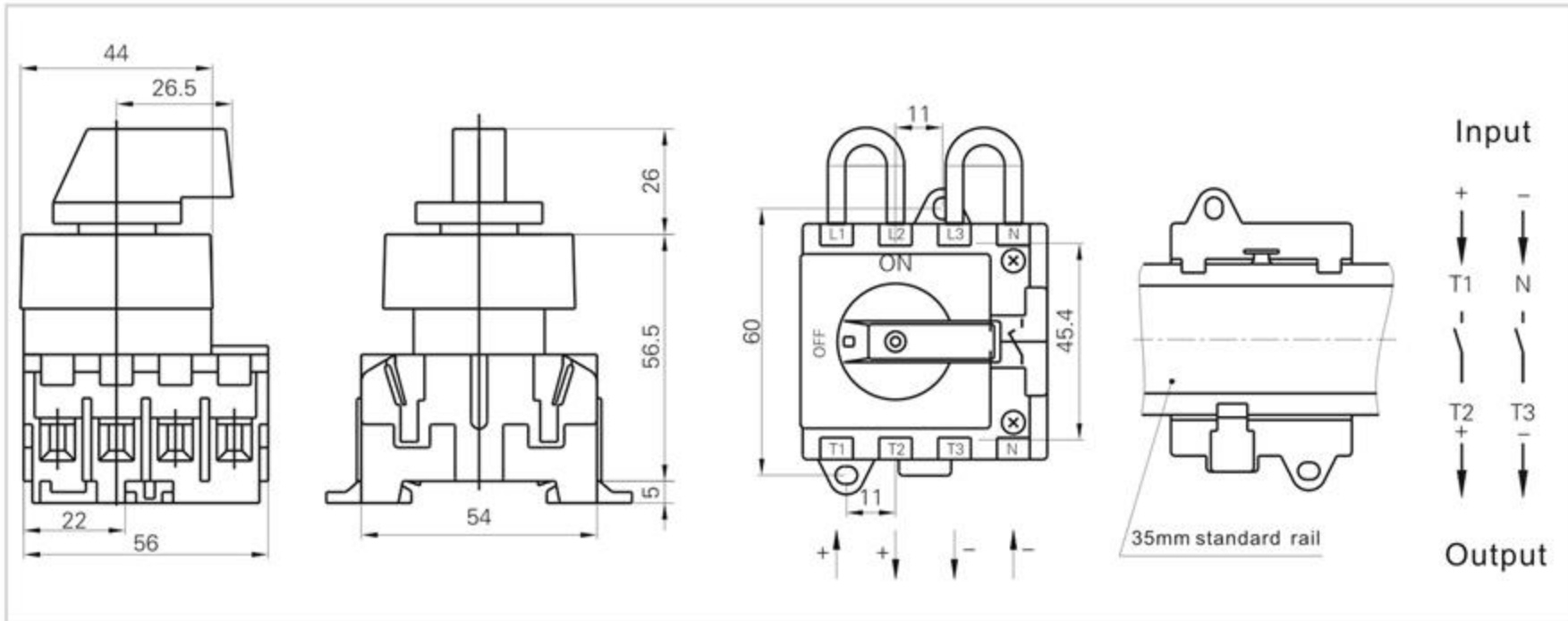
IP65 plastic box



Description	Dimension(mm)						Installation(mm)			
	D3	D4	M	N	P		A1	A2	B	D2
SAA16/3	23	19	85	83	160		150	--	--	4.2
SAA32/3	23	19	85	83	160		150	--	--	4.2
SAA40/3	29	23	100	95	190		178	--	--	4.2
SAA63/3	29	23	100	95	190		178	--	--	4.2
SAA80/3	37.5	23	144	105	250		--	229	124	6.5
SAA100/3	37.5	23	144	105	250		--	229	124	6.5

Dimension and installation

1X2P



Technical parameters

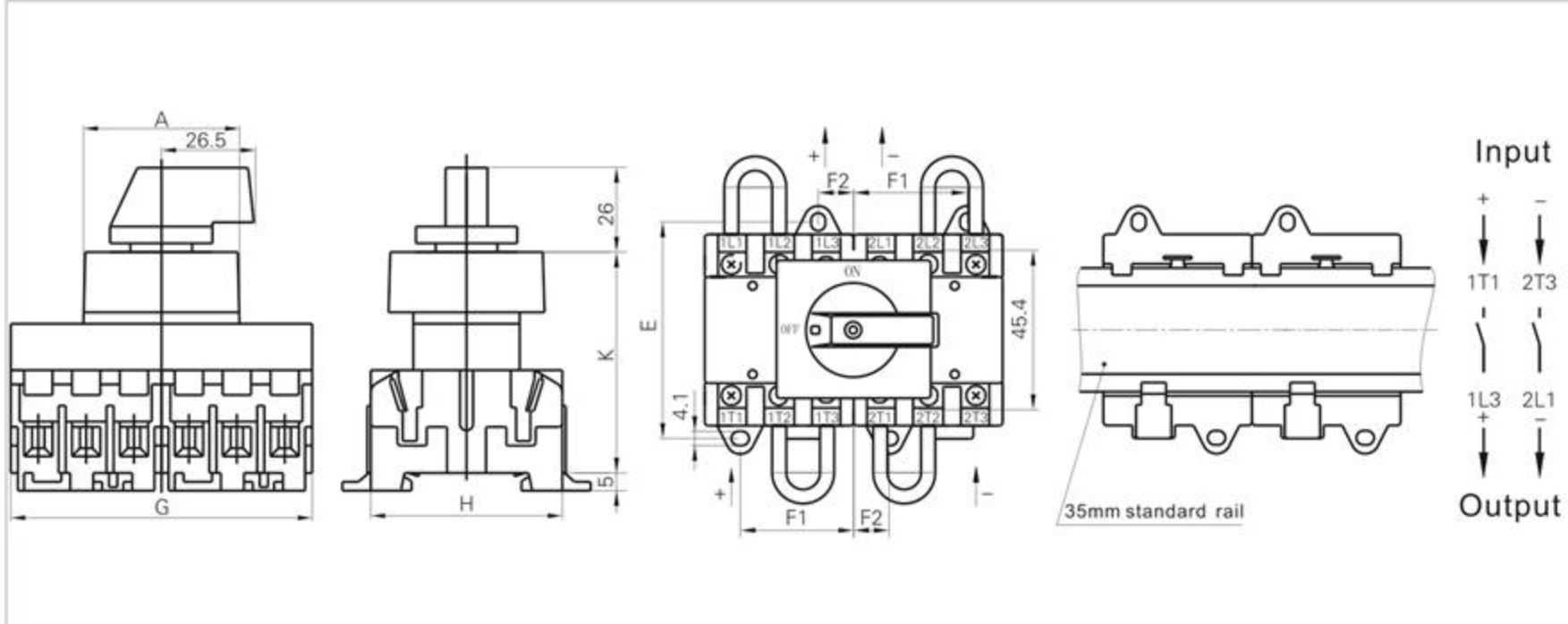
Description	Rated working current Ie	Rated working voltage Ue (DC)	Max. PV load voltage (DC)	Rated insulation voltage Ui	Cable diameter (mm)
SAA16	16	450	520	690	Φ2.5
SAA32	25	450	520	690	Φ4
SAA16	12	500	575	690	Φ2.5
SAA32	20	500	575	690	Φ4

Utilization: DC-22A



Dimension and installation

1X2P



Technical parameters

Description	A	E	F1	F2	G	H	K
SAA16/SAA32	44	60	32	10	84	54	64
SAA40	105.4	70	37.5	12.5	100	64	62.5

Description	Rated working current Ie	Rated working voltage Ue (DC)	Max. PV load voltage (DC)	Rated insulation voltage Ui	Cable diameter (mm)
SAA16	16	650	750	1000	Φ2.5
SAA32	32	500	575	1000	Φ4
SAA40	32	650	750	1000	Φ4.5
SAA16	12	800	920	1000	Φ2.5
SAA32	25	650	750	1000	Φ4

Utilization: DC-22A

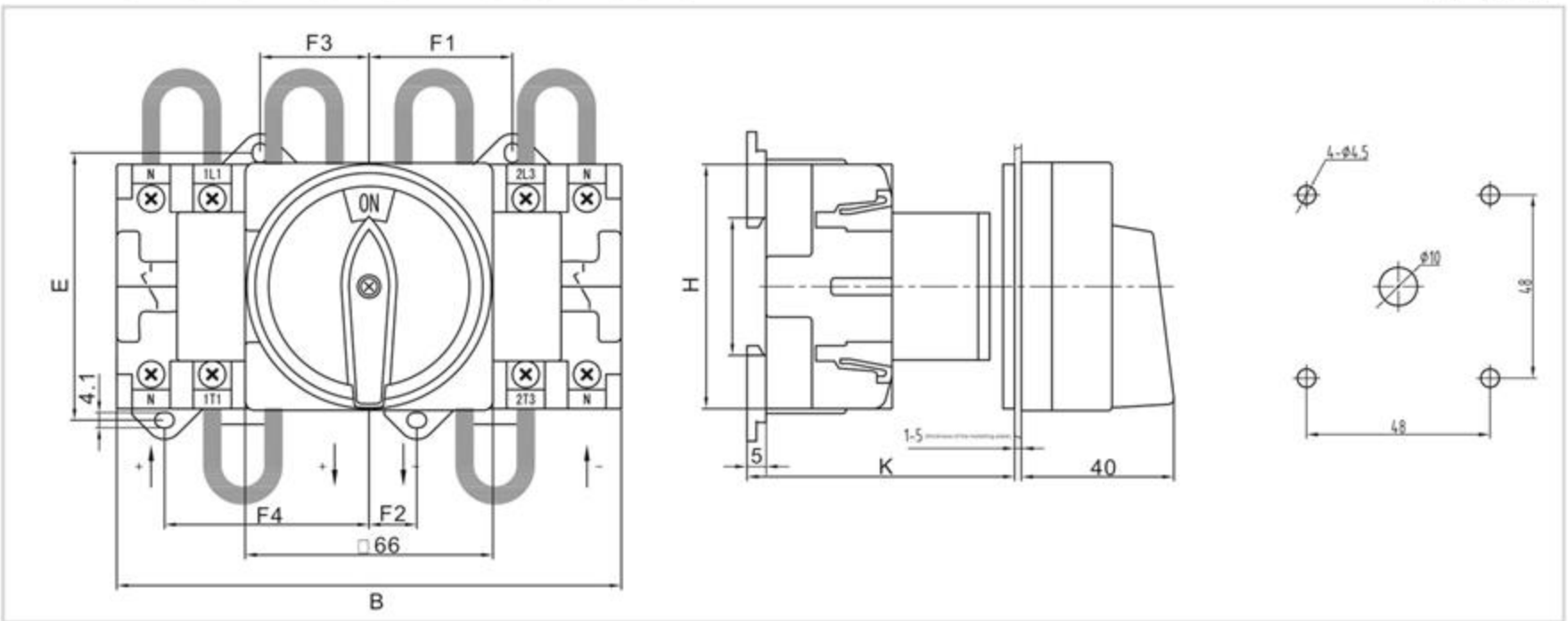


DC Rotary Switches SAA□/□ Series
Code for other accessories



Dimension and installation

1X2P



Technical parameters

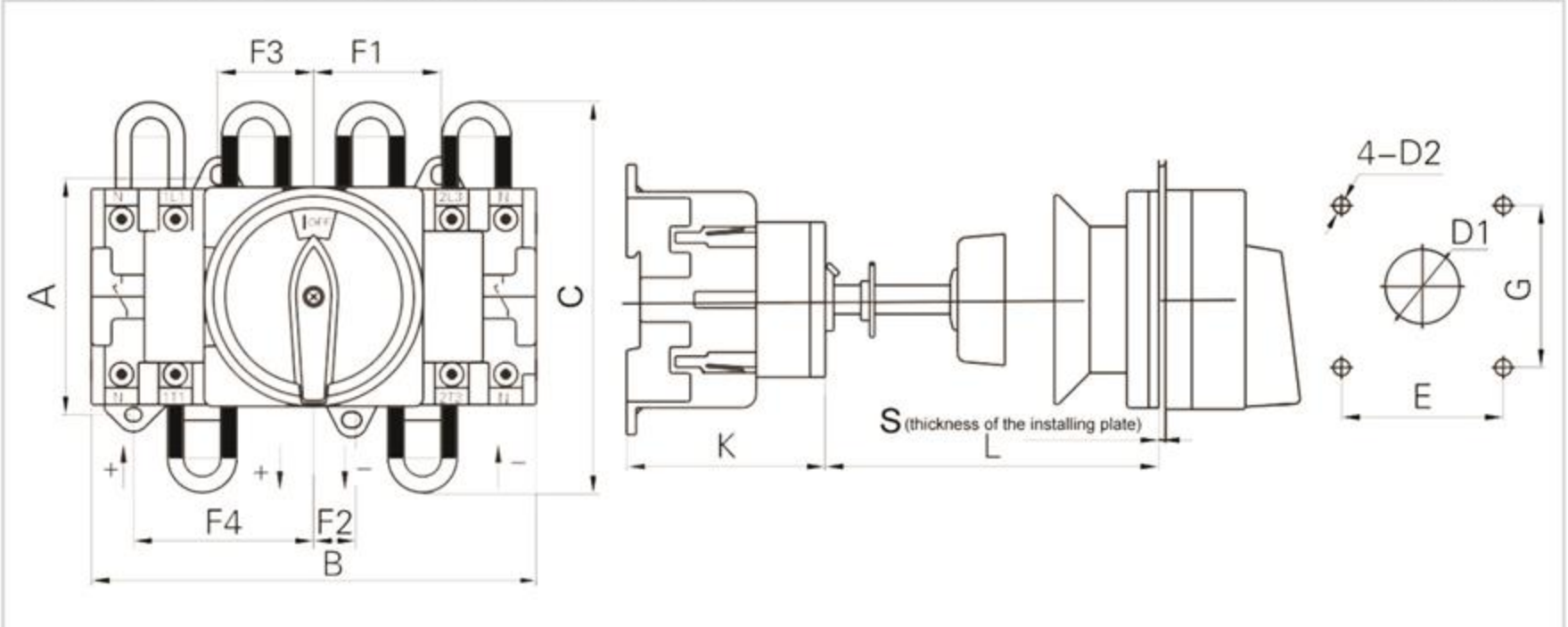
Description	B	E	F1	F2	F3	F4	H	K
SAA16/SAA32	112	61	32	10	24	46	54	61
SAA40	132	70	37.5	12.5	28.5	53.5	64	70

Description	Rated working current Ie	Rated working voltage Ue (DC)	Max. PV load voltage (DC)	Rated insulation voltage Ui	Cable diameter (mm)
SAA16	16	800	920	1000	Φ2.5
SAA32	25	800	920	1000	Φ4
SAA40	32	800	920	1000	Φ4.5

Utilization: DC-22A

Dimension and installation

1X2P



Technical parameters

Description	Dimension(mm)										Installation(mm)			
	A	B	C	K	F1	F2	F3	F4	L	S	E	G	D1	D2
SAA16	60	111	100	50.5	32	10	24	46	32~150	1~5	48	48	Φ22	Φ4.5
SAA32	60	111	100	50.5	32	10	42	46	32~150	1~5	48	48	Φ22	Φ4.5
SAA40	70	132	120	61	37.5	12.5	28.5	53.5	32~150	1~5	48	48	Φ22	Φ4.5
SAA63	70	132	120	61	37.5	12.5	28.5	53.5	32~150	1~5	48	48	Φ22	Φ4.5

Description	Rated working current Ie	Rated working voltage Ue (DC)	Max. PV load voltage (DC)	Rated insulation voltage Ui	Cable diameter (mm)
SAA16	16	800	920	1000	Φ2.5
SAA32	25	800	920	1000	Φ4
SAA40	32	800	920	1000	Φ4.5
SAA63	50	800	920	1000	Φ4.5

Utilization: DC-22A

Rotary Switches
SAB□ Series



Main technical parameter

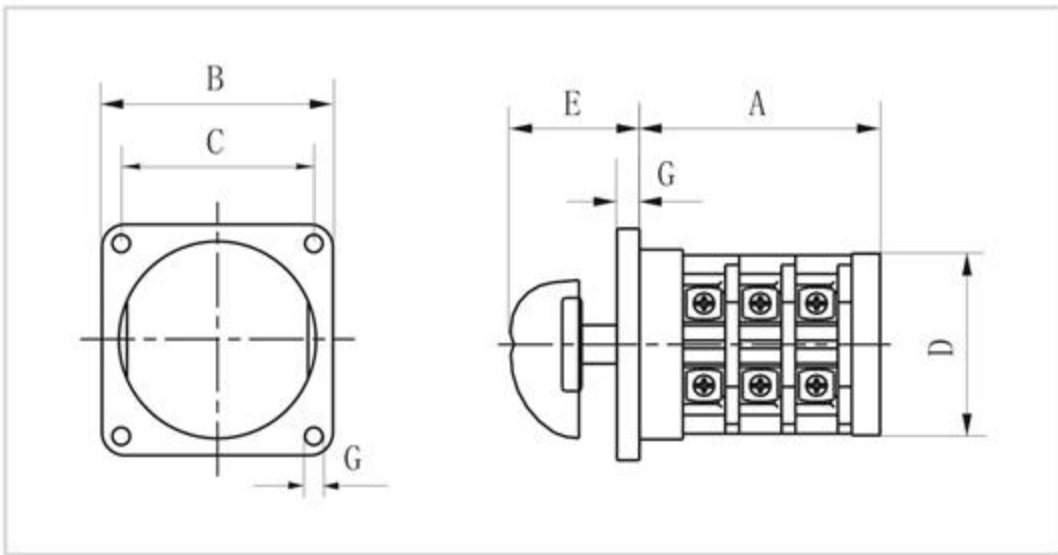
Description	Ith A	Ui V	Ue V	AC-21A	AC-22A	AC-23A	AC-2	AC-3	AC-4	AC-15	DC-13				
				Ie A	Ie A	Ie A	P kW	Ie A	P kW	Ie A	P kW	Ie A	Ie A		
SAB16	16	660 / 690	440	16	16	13	7.5	15	7.5	11	5.5	3.5	1.5	4	
			240											5	1
			120											5	
SAB25	25		440	25	25	22	11	22	11	15	7.5	6.5	3	5	
			240											8	
			120											9	
SAB32	32		440	32	32	30	15	30	15	22	11	11	5.5	6	
			240											14	11
			120											25	
SAB50	50	440	50	40		22				18.5	7.5				
		240					11		11						
		120	Rated working voltage Ue												
SAB75	75	440	75(DC)	75	72	45	72	45	47	24	23	11.5			
		240													
		120											60		
Switch life	No load		8500										Electric life 3×10 ⁴		
	Load		1500										Mechanical life 5×10 ⁴		
	Total		10000												

Ordering Information

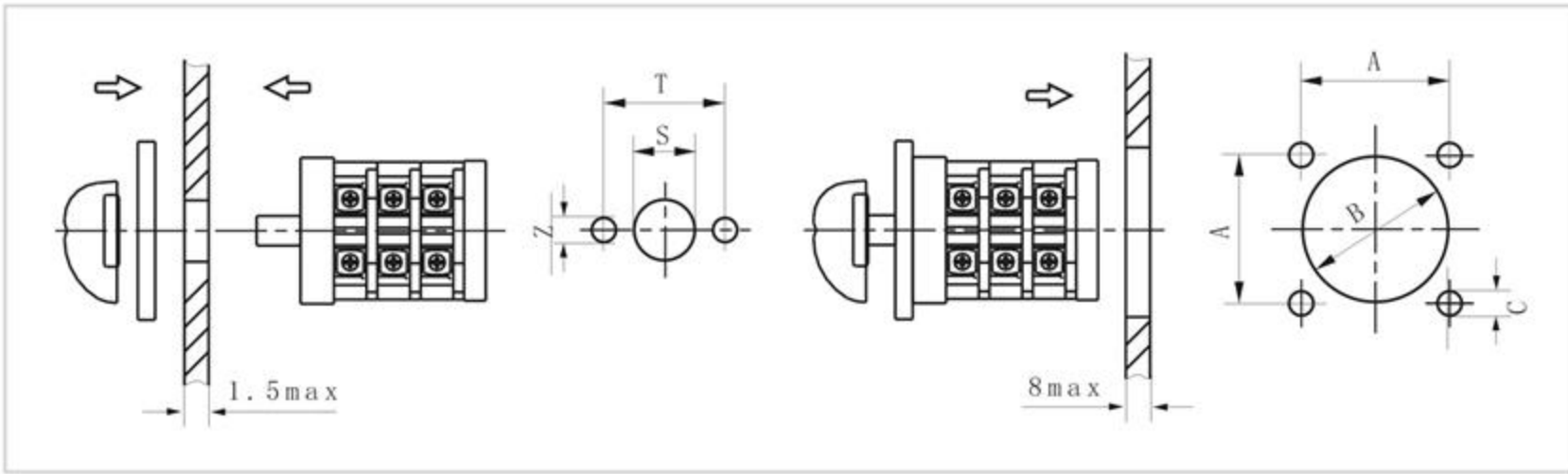
SAB□□□□R

□ R type handle
□ Code for faceplate size
□ Code for switching diagram
□ Code for escutcheon plate
□ Code for rated thermal current (16、25、32、50 or 75) Amp

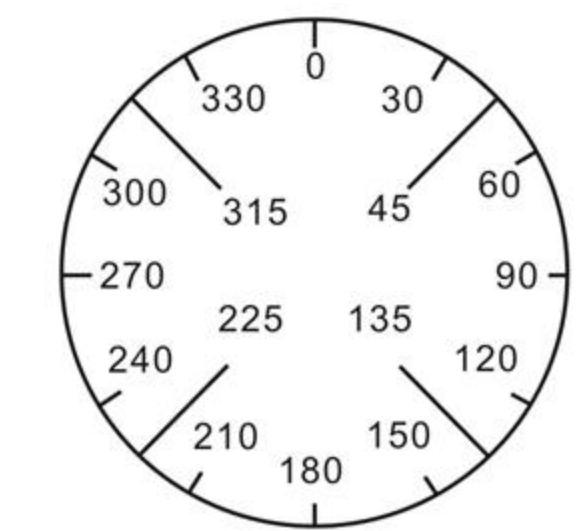
Dimension and installation



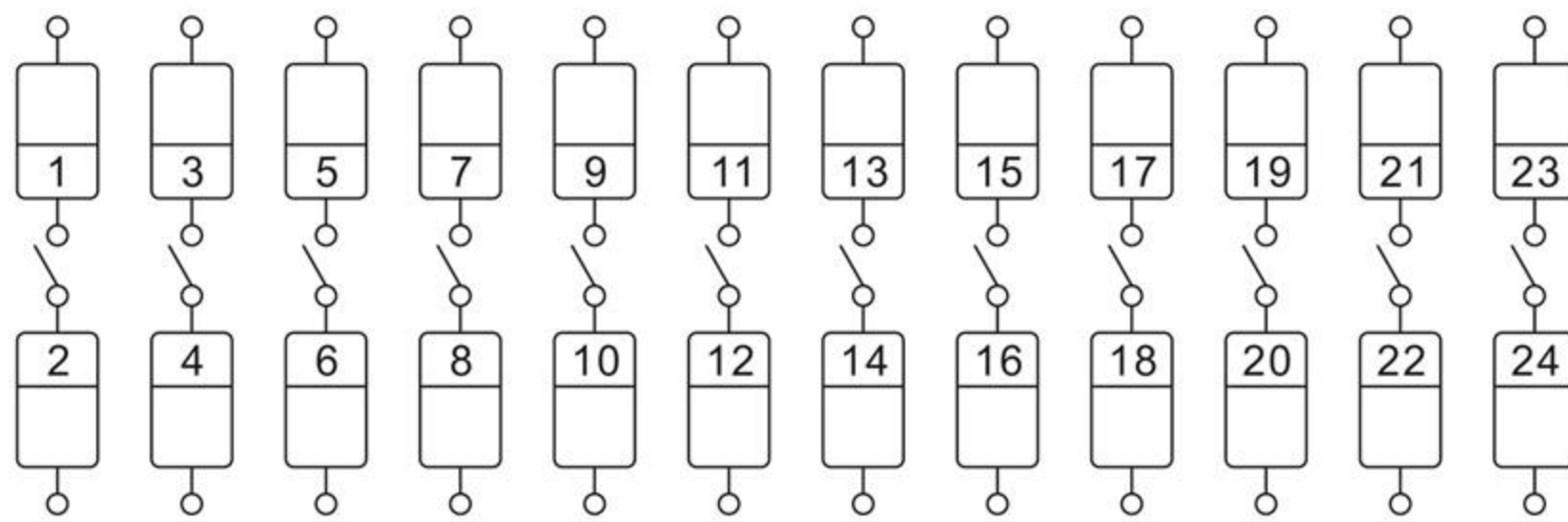
Description	Joint number (A)				Installation(mm)						
	1	2	3	4	□B	□C	D	E	F	G	
SAB16	37	50	62	75	54	36	Φ44	28	8	4.5	
SAB25	37	50	62	75	72	58	Φ59	32	9	4.5	
SAB32	35	48	60	73	72	58	Φ59	32	9	4.5	
SAB50	40	58	75	93	105	72	Φ80	42	10	5.5	
SAB75	51	69	87	105	105	72	Φ80	42	10	5.5	



Description	Installation(mm)					
	S	T	Z	A	B	C
SAB16	9.5	32	3.2	36	45	M4
SAB25	9.5	33	3.2	58	64	M4
SAB32	9.5	33	3.2	58	64	M4
SAB50	13	46	5.3	85	90	M5
SAB75	13	46	5.3	85	90	M5



☐ I ☐ R ☐ F ☐ B ☐ P ☐ K

[illegible] Spring return

Delivery time: