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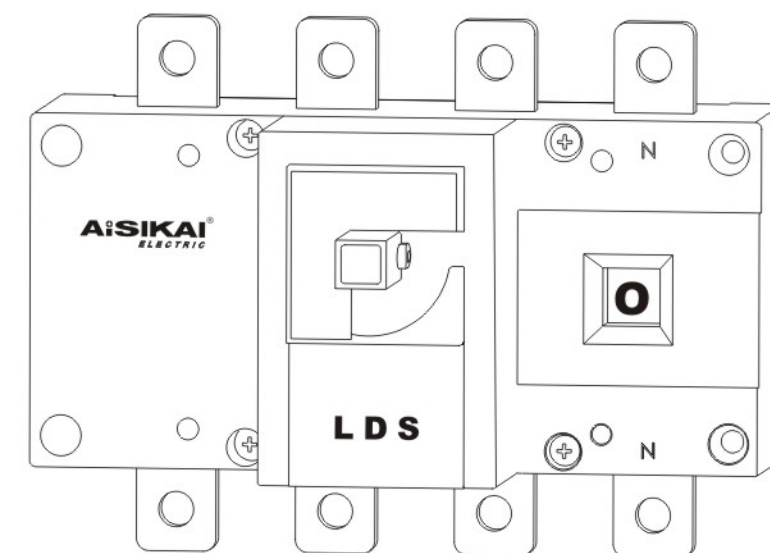
Communication Information

AiSIKAI[®]
ELECTRIC

LOAD ISOLATION SWITCHES

LECTOTYP E MANUAL

PROFESSIONAL MANUFACTURER



JIANGSU AISIKAI ELECTRIC CO.,LTD

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JIANGSU AISIKAI ELECTRIC CO.,LTD



AISIKAI ELECTRIC

COMPANY PROFILE

WE FOCUS ATTENTION ON

Load isolation switch –LIS

Dual power automatic/manual transfer switching equipment –ATS

Integrated control and protection switches –CPS

Plastic case type circuit breakers –MCCB

Universal circuit breakers –ACB

Miniature circuit breakers –MCB

Surge Protectors –SPD

Automatic voltage protection delay switch –VPSR & D and manufacturing

WE HAVE OBTAINED

A number of independent intellectual property patents

ISO9001: 2000 Quality System certification

CE certification

SGS certification

National compulsory CCC certification

Multi-voltage, full load test station

WE PURSUE

Innovative Design & Excellent Manufacture

Oriented by Customer satisfaction & expectation

Be vigilant in peace time, broaden sources of income and reduce expenditures
is our enterprise training code

Solidarity, Mutual Aid and Harmonious Development
is our team spirit

Sincerity, Excellence and Esteem
is our business philosophy

Quality, Service, Reputation and Innovation
is our development philosophy

WE MISSION

Making Contributions to the Society, For Benefits of the Employees

We are AISIKAI

LOAD ISOLATION SWITCHES

SKG1 SERIES



□ SKG1-1600A



□ SKG1-250A



□ 柜外操作加长杆

产品特点 Product characteristics

■ 安全性能好 Good safety performance:

- 采用复合式触头、操作机构采用弹簧蓄能，瞬时释放的加速机构，瞬时接通和分断，双断点触头结构。与操作手柄的力度无关，极大提高了各项电气性能和机械性能。
- In the SKG1 series load isolation switches, a composite contact is mounted and a spring loaded accumulator, an instantaneous release accelerating mechanism, momentary make and break and a double break contact structure are adopted in the operation mechanism, which has nothing to do with the intensity of the operation handle, thus improving extremely the electric and the mechanical performances.

■ 可靠性高 High reliability:

- 开关转换准确、灵活、顺畅；
- Precise, flexible and smooth in switch transfer;
- 使用寿命8000次以上；
- Service life up to more than 8,000 times;
- 抗干扰能力强、对外无干扰；
- Strong in anti-interference ability without outward interference;
- 外形美观、体积小、重量轻；
- Beautiful in outer appearance, small in volume and light in weight;
- 根据需要，可提供正面操作、侧面操作、柜内操作和柜外操作。
- As required, front operation, side operation, inside-cabinet operation or outside-cabinet operation are provided.

符合标准 Applicable standards

- IEC60947-1/GB/T • 14048.1-2000 《低压开关设备和控制设备总则》
- IEC60947-1/GB/T • 14048.1-2000 《General Provisions for Low-voltage Switch Gears and Control Equipment》
- IEC60947-3/GB • 14048.3 《低压开关设备和控制设备低压开关、隔离器、隔离开关及熔断器组合器》
- IEC60947-3/GB • 14048.3 《Low-voltage Switch Gears and Control Equipment: Low voltage switches, Isolators, Isolation switches and fuse combiners》
- IEC60947-6-1/GB • 14048.11 《自动转换开关电器》
- IEC60947-6-1/GB • 14048.11 《Automatic Transfer Switchgear》

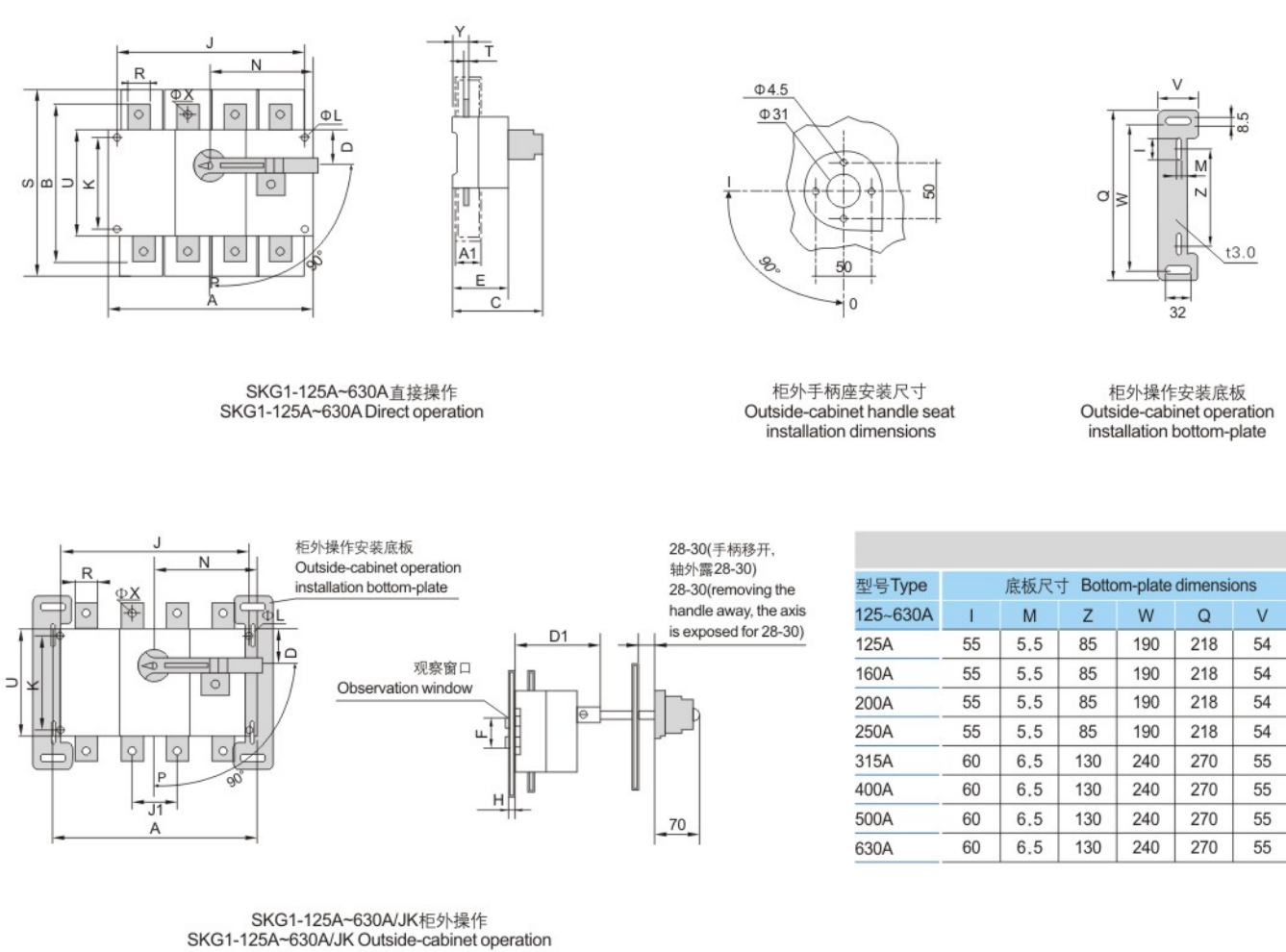
LOAD ISOLATION SWITCHES
SKG1 SERIES

► 主要技术参数 Main technical parameters

约定发热电流Ith(A) Agreed thermal current Ith(A)	125A	160A	200A	250A	315A	400A	500A	630A	800A	1000A	1250A	1600A	2000A	2500A	3200A
额定绝缘电压Ui(V) Rated insulation voltage Ui(V)	750	750	750	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
介电强度V Dielectric strength V	5000	5000	5000	5000	8000	8000	8000	8000	8000	10000	10000	10000	10000	10000	10000
额定冲击耐受电压Uimp KV(安装类别IV) Rated impulse withstand voltage Uimp KV(Installation category:IV)	8	8	8	8	12	12	12	12	12	12	12	12	12	10	10
额定工作电流Ie(A) Rated work current Ie(A)	380V AC21	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
	AC22	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500
	AC23	125	160	200	250	315	340	425	536	630	800	1000	1280	1600	2200
	600V AC21	125	160	160	200	315	400	400	500	800	1000	1000	1600	2000	3200
	AC22	125	125	125	160	200	200	200	315	630	630	630	800	1600	2400
	AC23	50	63	70	80	125	125	125	125	400	400	400	500	1000	1200
	200V AC21	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	3200
	AC22	125	160	200	250	315	400	400	500	800	1000	1250	1250	1600	2400
	AC23	125	125	160	200	315	400	400	500	800	1000	1250	1250	1600	2000
	440VAC21	100	125	160	200	315	400	400	500	800	1000	1250	1600	2000	3200
	AC22	100	125	160	200	315	400	400	500	800	1000	1250	1250	1600	2400
	AC23	100	125	160	200	315	400	400	500	800	1000	1000	1000	1000	1200
额定短时耐受电流1cw(KA Rms)0.1s/1.0s Rated short-time withstand current1cw(KA Rms)0.1s/1.0s	10/7	10/7	16/10	16/10	25/18	25/18	25/18	25/18	26/18	90/50	90/50	90/50	90/50	90/50	90/50
额定分断能力 1cn(A Rms)AC23 380V Rated breaking capability 1cn(A Rms)AC23 380V	1000	1000	1600	1600	2500	3200	3200	3200	6400	8000	8000	8000	8000	8000	8000
额定接通能力 1cn(A Rms)AC23 380V Rated connection capability 1cn(A Rms)AC23 380V	1250	1250	2000	2000	3150	4000	4000	4000	8000	10000	10000	10000	10000	10000	10000
额定短路接通能力1cm(KA峰值) Rated short-circuit making capacity 1cm (KA peak value)	12	12	17	17	30	30	30	30	40	70	70	70	70	70	70
机械寿命(操作循环次数) Mechanical service life (number of operation cycles)	10000	10000	10000	10000	5500	5500	5500	5500	4000	4000	4000	3000	3000	3000	3000
额定电压Ue660V Rated voltage Ue660V	COS φ=0.95 AC21	1500	1500	1500	1500	750	750	750	750	600	600	600	450	450	450
	COS φ=0.65 AC22	1000	1000	1000	1000	500	500	500	500	400	400	400	300	300	300
额定电流Ie Rated current Ie	COS φ=0.35 AC23	500	500	500	500	250	250	250	250	200	200	200	150	150	150
操作力矩(Nm) Operation torque		6.5	6.5	10	10	14.5	14.5	14.5	14.5	27	27	27	27	27	27
重量(kg) Weight	3极Poles	1	1	2	2	3.5	3.5	4	4	10.5	10.5	10.5	16	25	40
	4极Poles	1.5	1.5	2.5	2.5	4	4	4.5	4.5	13	13	13	20	32	51

LOAD ISOLATION SWITCHES
SKG1 SERIES

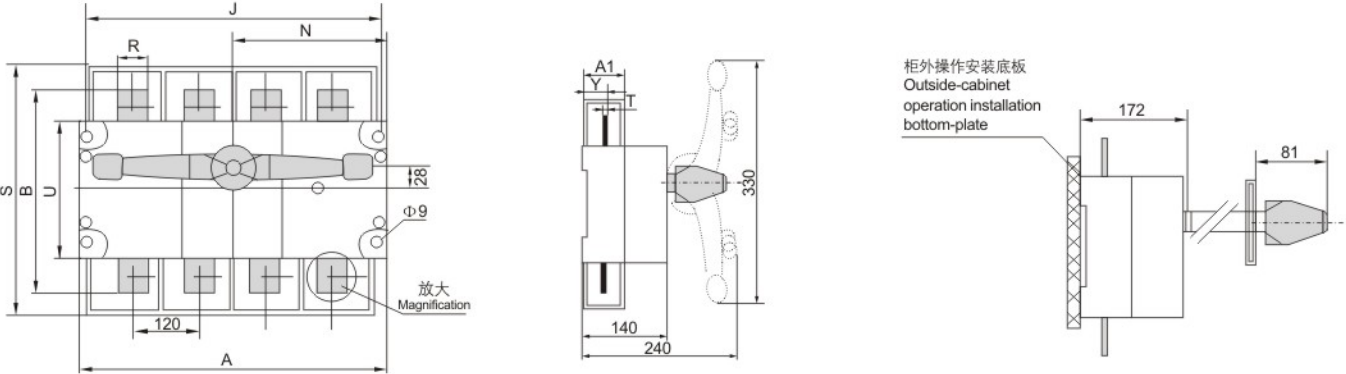
► SKG1-125A~630A负荷隔离开关外形与安装尺寸 SKG1-125A~630A Load isolation switch outline and installation dimensions



外形尺寸与安装尺寸 Outline dimensions and installation dimensions																					
型号Type	A	A1	B	C	D	D1	E	ΦL	J	J1	K	N	P	R	S	T	U	ΦX	Y	F	H
125A/3	140	50	135	116	27	92	71	5.5	120	120	65	85	36	20	235	3.5	85	9	24	52	10
125A/4	170	50	135	116	27	92	71	5.5	150	150	65	85	36	20	235	3.5	85	9	24	52	10
160A/3	140	50	135	116	27	92	71	5.5	120	120	65	85	36	20	235	3.5	85	9	24	52	10
160A/4	170	50	135	116	27	92	71	5.5	150	150	65	85	36	20	235	3.5	85	9	24	52	10
200A/3	180	60	170	128	35	104	83	5.5	160	160	90	115	50	25	290	3.5	110	11	25	79	13
200A/4	230	60	170	128	35	104	83	5.5	210	210	90	115	50	25	290	3.5	110	11	25	79	13
250A/3	180	60	170	128	35	104	83	5.5	160	160	90	115	50	25	290	3.5	110	11	25	79	13
250A/4	230	60	170	128	35	104	83	5.5	210	210	90	115	50	25	290	3.5	110	11	25	79	13
315A/3	230	85	240	169	50	133	113	7	210	210	140	145	65	32	400	5	160	11	36	100	24
315A/4	290	85	240	169	50	133	113	7	270	270	140	145	65	32	400	5	160	11	36	100	24
400A/3	230	85	240	169	50	133	113	7	210	210	140	145	65	32	400	5	160	11	36	100	24
400A/4	290	85	240	169	50	133	113	7	270	270	140	145	65	32	400	5	160	11	36	100	24
500A/3	230	85	260	260	50	133	113	7	210	210	140	145	65	40	400	6	160	12	36	100	24
500A/4	290	85	260	260	50	133	113	7	270	270	140	145	65	40	400	6	160	12	36	100	24
630A/3	230	85	260	260	50	133	113	7	210	210	140	145	65	40	400	6	160	12	36	100	24
630A/4	290	85	260	260	50	133	113	7	270	270	140	145	65	40	400	6	160	12	36	100	24

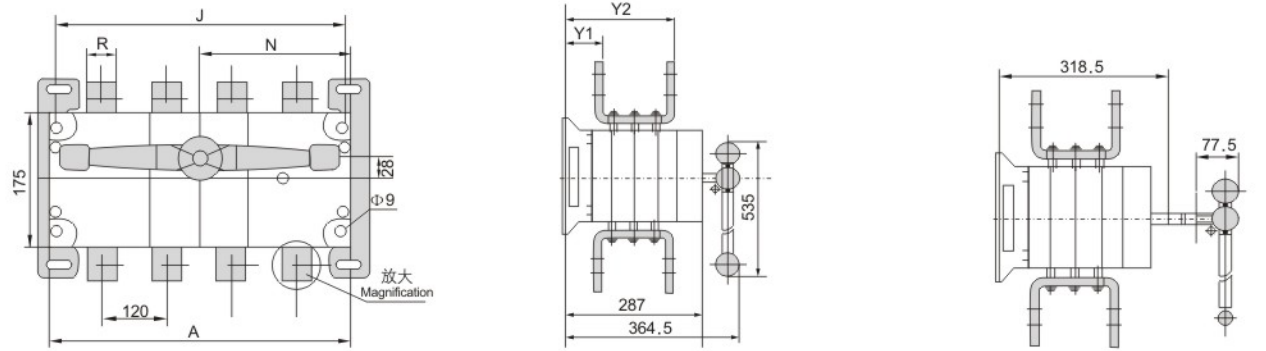
LOAD ISOLATION SWITCHES
SKG1 SERIES

► SKG1-1000A~3150A负荷隔离开关 SKG1-1000A~3150A load isolation switches



SKG1-1600A直接操作
SKG1-1600A Direct operation

SKG1-1600AJ柜外操作
SKG1-1600AJ Outside-cabinet operation

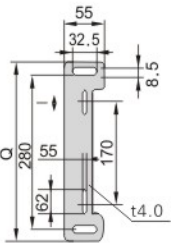


SKG1-3150A直接操作
SKG1-3150A Direct operation

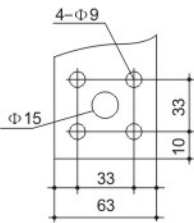
SKG1-3150A直接操作(柜外操作)
SKG1-3150A Direct operation
(outside-cabinet operation)



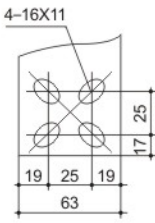
柜外手柄座安装尺寸
Outside-cabinet handle seat
installation dimensions



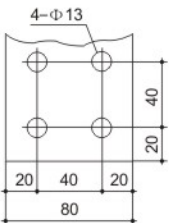
柜外操作安装底板
Outside-cabinet operation
installation bottom-plate



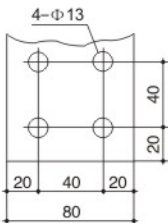
800A



1250A



1600A

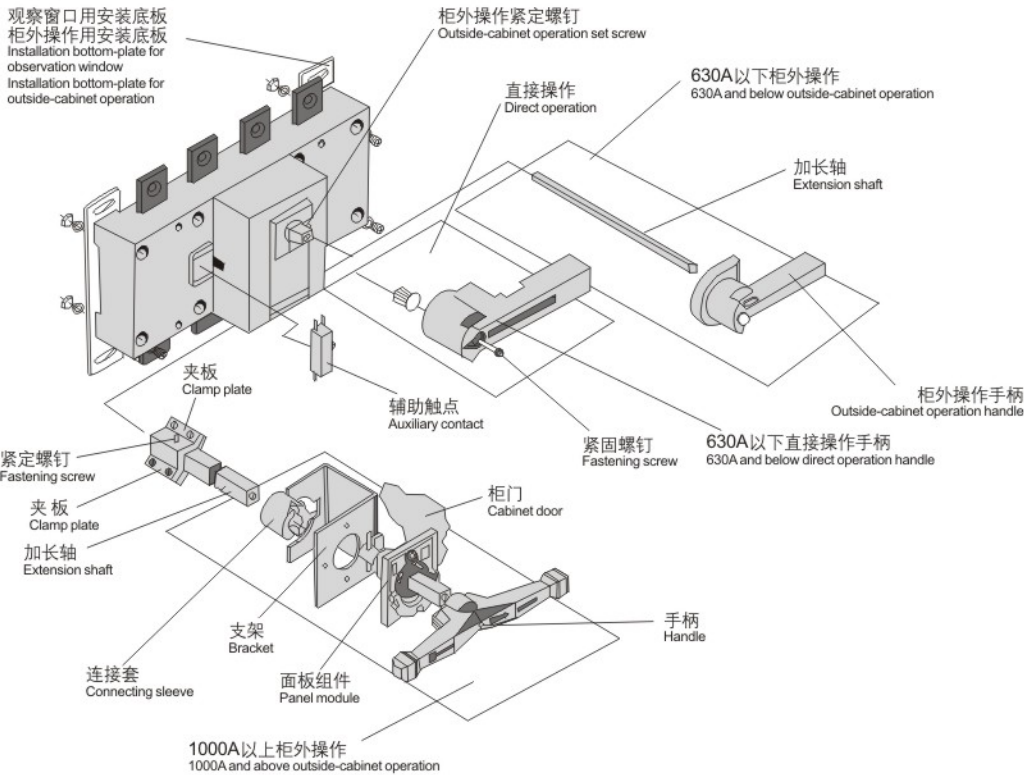


2000A-3200A

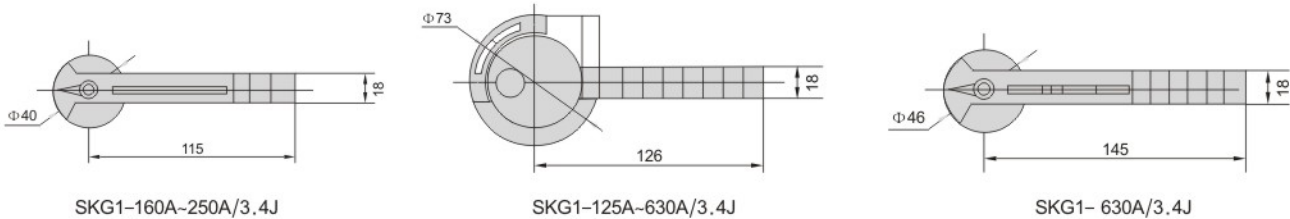
LOAD ISOLATION SWITCHES
SKG1 SERIES

► SKG1-1000A~3150A负荷隔离开关 SKG1-1000A~3150A load isolation switches

型号 Type	外形尺寸与安装尺寸 Outline dimensions and installation dimensions																
	A	A1	B	D	E	F	G	J	J1	N	R	S	T	U	Y1	Y2	Q
1000A/3	378	105	312					353	353	186	60	480	8	200			311
1000A/4	492	105	312			16		467	467	246	60	480	8	200			311
1250A/3	378	105	338	20	40	16	35	353	353	186	80	480	8	200			311
1250A/4	492	105	338	20	40	16	35	353	353	186	80	480	8	200			311
1600A/3	378	105	338	20	40	16	35	353	353	186	80	480	10	200			311
1600A/4	492	105	338	20	40	20	35	467	467	246	80	480	10	200			311
2000A/3	378		455	20	40	20	40	353	353	186	80	560	10	200	75.5	227.5	311
2000A/4	492		455	20	40	20	40	467	467	246	80	560	10	200	75.5	227.5	311
2500A/3	378		455	20	40	20	40	353	353	186	80	560	10	200	75.5	227.5	311
2500A/4	492		455	20	40	20	40	467	467	246	80	560	10	200	75.5	227.5	311
3150A/3	378		505	35	50	25	50	353	353	186	120	560	15	200	78	230	311
3150A/4	492		505	35	50	25	50	467	467	246	120	560	15	200	78	230	311



□ SKG1-125A~3150A负荷隔离开关 SKG1-125A~3150A load isolation switches



□ 注: 加长轴标准长度 160A、250A: 330mm; 630A: 330mm; 1600A、3150A: 330mm. Note: Standard length of extension shaft 160A、250A: 330mm; 630A: 330mm; 1600A、3150A: 330mm.