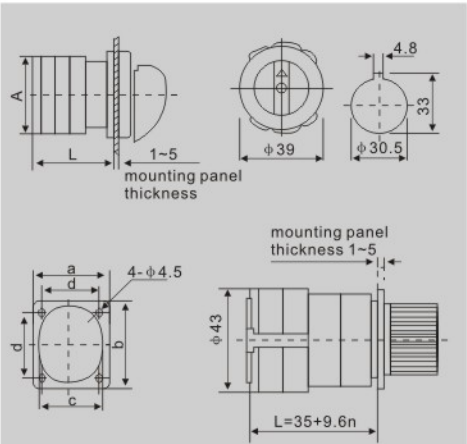
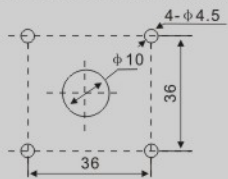
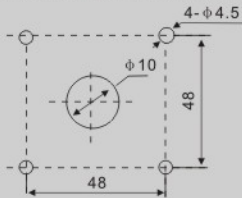
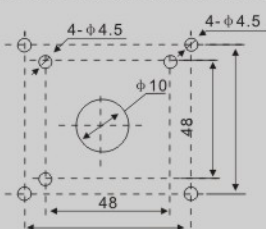
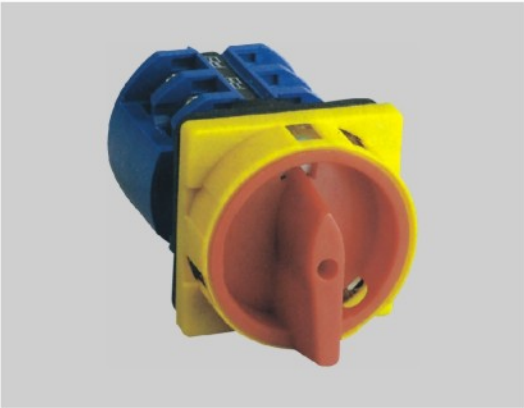


LW28 Universal Changeover Switch**Small panel mounting dimension diagram****Big panel mounting dimension diagram****Overdose panel mounting dimension diagram****1. Specifications**

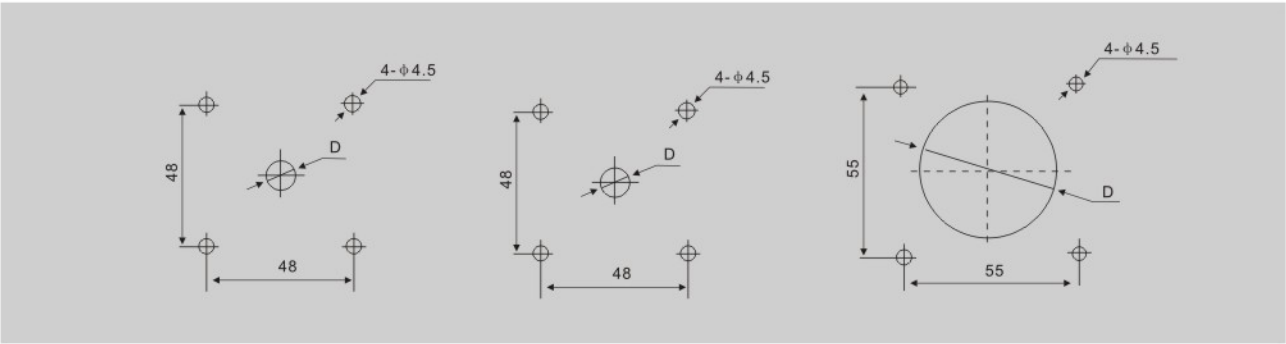
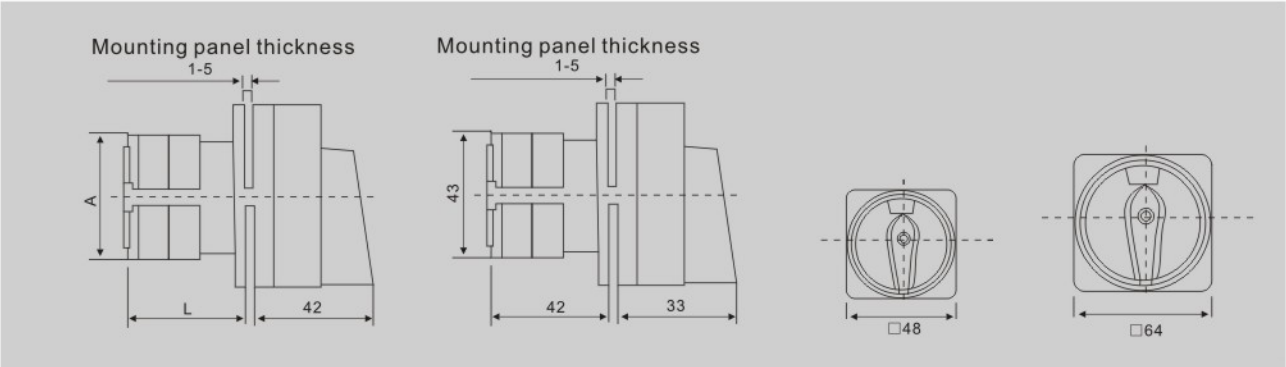
Type	Ith A	Ui V	Ue V	AC-21A		AC-22A		AC-23A		AC-2		AC-3		AC-4		AC-15 DC-13	
				Ie A	Ie A	Ie A	P kw	Ie A	P kw	Ie A	P kw	Ie A	P kw	Ie A	P kw	Ie A	
LW28-20	20		440	20	20	15	7.5	15	7.5	11	5.5	3.5	1.5	4			
			240													5	
			120														
LW28-25	25		440	25	25	22	11	22	11	15	7.5	6.5	3	5			
			240													8	1.5
		660	120														
LW28-32	32		440	32		30	15	30	15	22	11	11	5.5	6			
			240													14	
			120														25
LW28-63	63		440	63		57	30	57	30	36	18.5	15	7.5				
			240														55
			120														
LW28-125	125		125	125	125	100	45	100	45	50	22	18	12				90
LW28-160	160		160	160	160	115	57	115	57	65	33	25	15				110
Operating cycles		No load	8500												Electrical life (times)		
		With load	1500												Mechanical life (times)		
		Total	1000												60×10 ⁴		

2. Overall and mounting dimensions(mm)

Type	Panel shape	External dimension(mm)				Mounting dimension(mm)			
		A	B	C	L	a	b	d1	d2
LW28-20	M1 square	48	48	43	22+9.6n	36	36	φ 8.5	φ 4.5
	M1 rectangular	48	60	43	22+9.6n	36	36	φ 8.5	φ 4.5
LW28-25	M2 square	64	64	43	25+9.6n	48	48	φ 10	φ 4.5
	M2 rectangular	64	80	43	25+9.6n	48	48	φ 10	φ 4.5
	M1 square	48	48	45.2	23+12.8n	36	36	φ 8.5	φ 4.5
LW28-32	M1 rectangular	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 rectangular	64	80	45.2	26.5+12.8n	48	48	φ 10	φ 4.5
LW28-63	M2 square	64	64	58	29.5+12.8n	48	48	φ 10	φ 4.5
	M2 rectangular	64	80	58	29.5+12.8n	48	48	φ 10	φ 4.5
	M2 square	64	64	66	29.5+21.5n	48	48	φ 10	φ 4.5
LW28-125	M2 rectangular	64	80	66	29.5+21.5n	48	48	φ 10	φ 4.5
	M3 square	64	88	66	29.5+21.5n	68	68	φ 10	φ 4.5
	M3 rectangular	88	107	66	29.5+21.5n	68	68	φ 10	φ 4.5
LW28-160	M3 square	88	88	84	35+26.5n	68	68	φ 13	φ 6
	M3 rectangular	88	107	84	35+26.5n	68	68	φ 13	φ 6

LW28GS Universal Changeover Switch**1. Specifications**

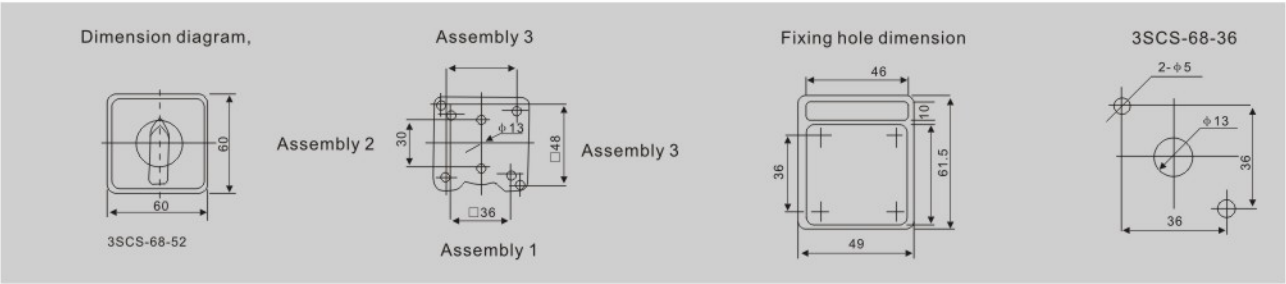
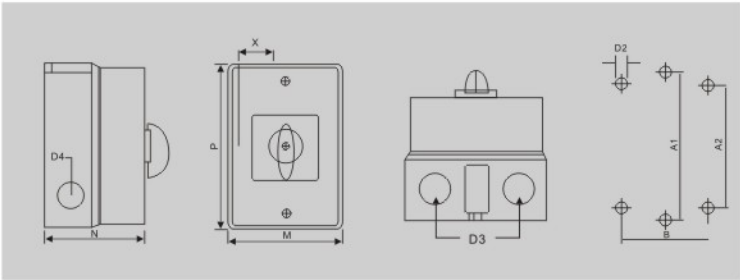
Type		LW28GS -20	LW28GS -25	LW28GS -32	LW28GS -63
Rated insulating voltage U_{il}	V	690	690	690	690
Rated operating voltage U_e	V	440	440	440	440
Conventional heating current I_{th}	A	20	25	32	63
Rated working current I_e	A	20	25	32	63
AC-21A	A	20	25	32	63
AC-22A	A	20	25	32	63
AC-23A	A	15	22	30	57

2. Overall and mounting dimensions(mm)

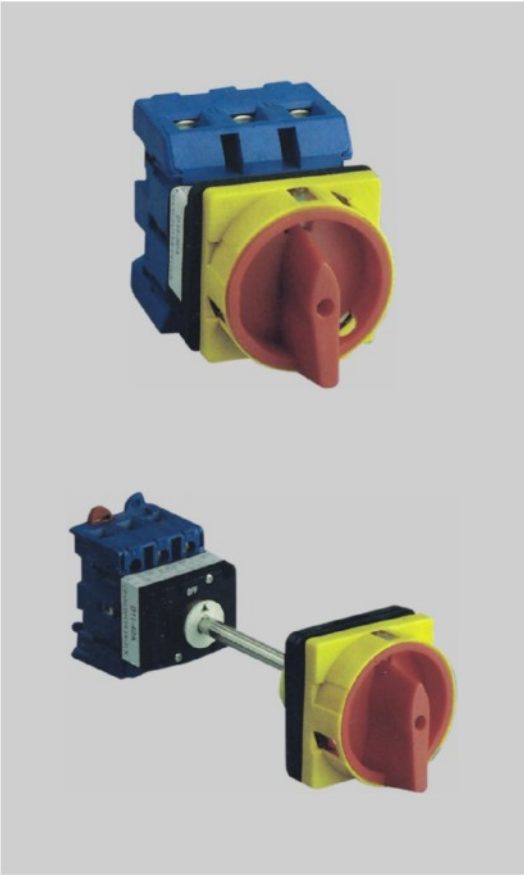
Type	Dimension(mm)		
	A	L	D
LW28GS-20	43	43	$\phi 8.5$
LW28GS-25	45.2	51	$\phi 8.5$
LW28GS-32	58	55	$\phi 10$
LW28GS-63	66	72.5	$\phi 10$
LW28GS-125	84	90	$\phi 13$
LW28GS-160	88	101	$\phi 13$

CS-68 Universal Changeover Switch**1. Specifications**

Type	Low voltage, low current (contact seat with white indication)		High voltage, high current (contact seat with blue indication)	
Contact capacity	24V	0.1A	600V	15A
Contact impedance	During initial period, below 10 Ω		During initial period, below 50 Ω	
Voltage withstand	220VAC		500VAC	
Insulation impedance	Over 100m Ω		60s	
life	Mechanical:above 100,000 times			

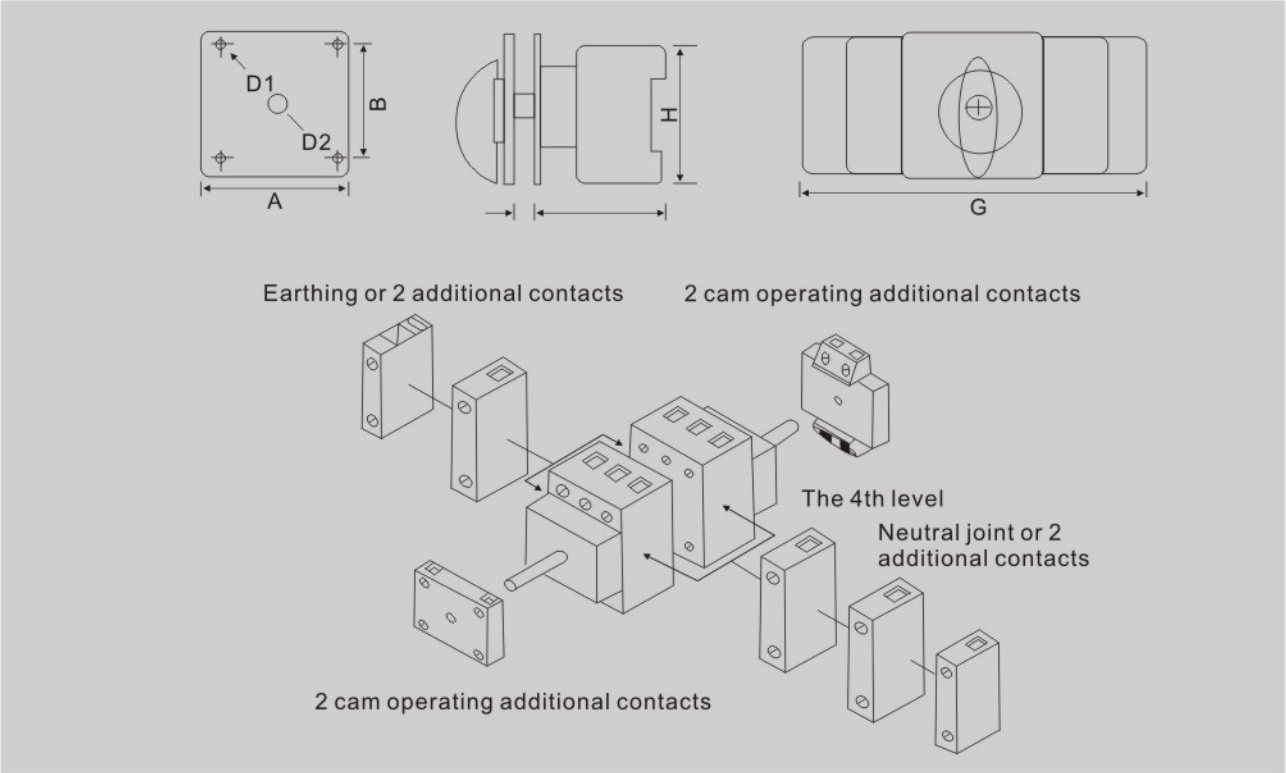
2. Overall and mounting dimensions(mm)**D11 Closed Type Load Switch****1. Overall and mounting dimensions(mm)**

Type	Outline dimension(mm)					Installation dimension(mm)			
	D3	D4	M	N	P	A1	A2	B	D2
D11-20/3	23	19	85	80	120	110	-	-	4.1
D11-32/3	23	19	85	80	120	110	-	-	4.1
D11-40/3	29	23	91	91	160	178	-	-	4.1
D11-63/3	29	23	91	91	160	178	-	-	4.1
D11-80/3	37.5	23	100	100	250		124	124	4.1
D11-20/6	29	23	91	91	160	178	-	-	4.1
D11-32/6	29	23	91	91	160	178	-	-	4.1
D11-40/6	37.5	23	100	91	160		124	124	4.1
D11-63/6	37.5	23	100	100	250		124	124	4.1
D11-80/6	50	23	89	83	156	150	150	150	7.5

GLD11 Universal Changeover Switch**1. Specifications**

Control current or power	Application category	IEC/BS/VDE rated nominal values					
		Heating current I _{th}	Resistive load Ac21	Ac3 occasional switchover motor or high inductive load		Ac3 direct on-line starting motor	
				3×220 ~240V	3×380 ~440V	3×220 ~240V	3×380 ~440V
Switch type							
	GLD11-25	25A	25A	4KW	7.5KW	3KW	5.5KW
	GLD11-32	32A	32A	5.5KW	11KW	4KW	7.5KW
	GLD11-40	40A	40A	7.5KW	15KW	7.5KW	11KW
	GLD11-63	63A	63A	11KW	22KW	11KW	12.5KW
	GLD11-80	80A	80A	18.5KW	30KW	15KW	22KW
	GLD11-100	100A	100A	22KW	37KW	18.5KW	30KW

Switch	Type	NO. of poles	A	B	Cam	D ₁	D ₂	F	G	H	L
GLD11-25	On-Off	3pole	64	48	4	4	22	42	-	54	62
	On-Off	4pole	64	48	4	4	22	56	-	54	62
GLD11-32	On-Off	3pole+N	64	48	4	4	22	56	-	54	62
	On-Off	3pole+N+E	64	48	4	4	22	69	-	54	62
GLD11-40	On-Off	6pole	64	48	4	4	22	-	84	54	62
	On-Off	3pole	64	48	4	4	22	50	-	64	67
GLD11-63	On-Off	4pole	64	48	4	4	22	66	-	64	67
	On-Off	3pole+N	64	48	4	4	22	66	-	64	67
GLD11-80	On-Off	3pole+N+E	64	48	4	4	22	82	-	64	67
	On-Off	6pole	64	48	4	4	22	-	100	64	67
GLD11-100	On-Off	3pole	64	48	4	5.5	22	70	-	80	82
	On-Off	4pole	64	48	4	5.5	22	92	-	80	82
GLD11-100	On-Off	3pole+N+E	64	48	4	5.5	22	104	-	80	82
	On-Off	6pole	88	68	4	5.5	22	-	140	80	82

2. Overall and mounting dimensions(mm)

Universal Changeover Switch**HZ12-16****HZ12-25****EP-20A****EP-75A****LB3****LB4****LB5****HZ12 Power Switch****Specifications**

Type	HZ12-16		HZ12-25		HZ12-40	
Rated working current Ie(A)	16		25		40	
Rated working voltage Ue(V)	500		500		500	
Rated insulating current Ui(V)	380	500	380	500	380	500
Rated heating current Lth(A)	16	10	25	16	40	24
Mechanical life(times)	3×10 ⁴					
Electrical life(times/n)	1×10 ⁴					

EP Universal Changeover Switch**Specifications**

Type	Ith A	Ui V	Ue V	AC-21A	AC-21A	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	P kw	Ie A	Ie A
EP-20	20	600	400	20	20	15	7.5	15	7.5	11	5.5	3.5	1.5	4	
			240											5	1
			120												5
EP-25	25		440	25	25	22	11	22	11	15	7.5	6.5	3	5	
			240											8	1.5
			120												9
EP-32	32		440	32	32	30	15	30	15	22	11	11	5.5	6	
			240											14	11
			120												25
EP-75	75		440	75	75	72	30	72	30	32	24	23	11.5		
			120												60
EP-125	125		440	125	125	90	45	90	45	36	45	30	18.5		
		No-load	8500											Electrical life	
Number of cycles of operation	loaded	1500											20×10 ⁴ 6×10 ⁴		
	Total	1000											Mechanical life(times)		
													60×10 ⁴		

LB3 LB4 LB5 Universal Combined Switch**Specifications**

Controlling current or power	Application category	IEC/BS/VD rated nominal value					
		Heat current Ith	Resistant load AC21	AC23 occasional switch over motor or high induction load		Ac3 direct on-line starting motor	
				3×220 ~240V	3×380 ~440V	3×220 ~240V	3×380 ~440V
Type							
LB3-25		25A	25A	4kW	7.5kW	3kW	5.5kW
LB4-40		40A	40A	7.5kW	15kW	7.5kW	11kW
LB5-63		63A	63A	11kW	22kW	11kW	12.5kW