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Aryam Australia Group 

ROTARY SWITCHES SERIES > > >



Company Profile



Znergy Magnus Systema is a global electrical component, electrical cable, solar & renewable energy component manufacturer. It is proudly a part of the Aryam Australia Group.

Invested with cutting edge technology, we manufacture Low Voltage to High Voltage and any specialist cables in Mining, Fire, LSZH, Shipping, Instrumentation, Oil & Petro-chemical, Gas, Solar, Undersea submersible and industrial cables.

Our Znergy® design for electrical components is driven by our belief in technology for people. It is engineered with innovation to provide quality and benefit for an industry driven economy. We design and manufacture distribution boards, protection and switching devices, signaling & power interface, energy and lighting control components, circuit breakers and high voltage transformer.

In the renewable sector, Aryam Energy (Group Partner) is a professional solar power products manufacturer and a leader in the field of solar power system and solar lighting solutions, which has undertaken over 50,000 successful projects in more than 56 countries all over the world. Since 2006, Aryam Energy has been producing innovative and cost-effective solar power products, which created unsurpassed levels of high-efficiency and reliability on 11 technology patents. Aryam Energy's main products include solar power system and solar street light and related PV products such as PV modules, PV rack

system, PV controller and PV inverter. ISO, CE, ROHS, TUV and SGS certify all products.

In partnership with a larger global affiliation, the group provides state of art manufacturing and design. Our ISO Standard approved plants proudly employ more than 1500 permanent staff, and has an annual group turnover of \$USD 2.2 Billion in electrical & solar sales.

Our client base now extends in supplying to some of the largest multinationals, as well as projects across Australia/New Zealand, EU, North America, Africa and the greater Asia Pacific.

The group strategic partnership of Global 500 enterprise is worth USD \$35 Billion in turnover. We also specialize in Petro-chemical and General-purpose Equipment, Metallurgy, Solar & Wind Power.

With global EPC capabilities, the group can facilitate any small to large or turnkey project globally. We work closely with clients to facilitate business and meet necessary KPIs.

Znergy's vision is to be a dynamic organization that delivers innovative manufacturing solutions for a sustainable future. Our goal is to conduct business in a safe, ethical and environmentally responsible manner.

As part of the Aryam Australia Group, our strength is to provide solutions to rapidly changing global economy. We are focus driven in innovative & technologically superior designs.



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LW26 Series Rotary Switches



LW26-10



LW26-20



LW26-25



LW26-32



LW26-63

Introduction

The LW26 series rotary switch is mainly applied in the circuit of rated voltage 440V and below, AC 50Hz or DC voltage 240V and below for breaking and closing, change-over of circuits under unfrequently manual operation. And the typical application are: control switch of 3 phase motors, control switch of switch gear, control switch of instruments, and change-over switch of machinery and welding machine.

The series comply with the GB 14048.3, GB 14048.5 and IEC 60947-3, IEC 60947-5-1.

The LW26 series have 7 current ratings: 10A, 20A, 25A, 32A, 63A, 125A and 160A.

The LW26 series rotary switch were designed for multiple functions, wide variety of applications. The LW26-10, LW26-20, LW26-25, and LW26-32F have finger protection terminals.

LW26 series rotary switch are an excellent substitute for LW2, LW5, LW6, LW8, LW12, LW15, HZ5, HZ10, and HZ12.

The LW26 series rotary switch has two derivatives. LW26GS Pad-lock and LW26S lock. Both of them are applicable in circuits when an physical control is required.

We can equip protective box for 20A, 25A, 32A and 63A.

Working conditions

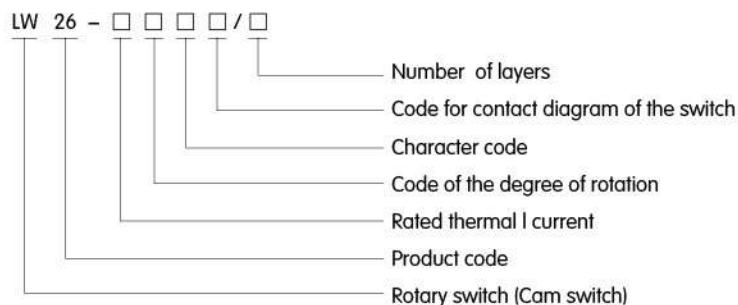
- (1) Ambient temperature: Do Not exceed 40°C, and the average temperature, measured over a period of 24 hours, can't exceed 35°C;
- (2) Ambient temperature should not be below -25°C;
- (3) Should Not be installed over 2000m above sea level;
- (4) The humidity should not exceed 50% when the ambient temperature is 40°C and higher humidity is allowed for lower temperature

Installation conditions

- (1) A clean environment is required;
- (2) Please follow our manual.

Designation

Use as control Switches



Re: Character code represents the rotating type, for instance, we have limited movement, spring return and limited movement with spring return

LW26 Series Rotary Switches



LW26X-10



LW26-32F



LW26C-20

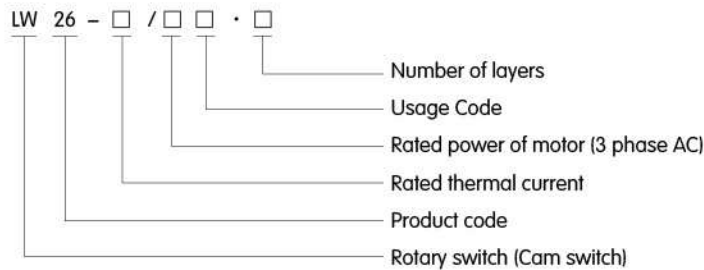


LW26-125



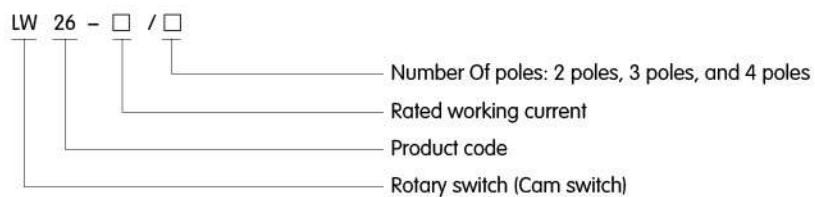
LW26-160

Use as control Switches



Re1: usage code: (1) Q for start and run (2) N for start and reversing (3) S for start and run at 2 speed
(4) SN for start and reversing of 2 speed motor (5) JM16 for start and reversing of 3 speed motor
Re2: switches in this category is normally rotated at 60° or 90° , and the SN normally rotated at 45° .

Use as control switch for a main circuit



Re: switches in this category is normally rotated at 60° or 90° .

Classification

1.Classified by utilization

- (1) Change-over switch;
- (2) Motor switch;
- (3) Control switch

2.Classified by operation

- (1) Limited movement;
- (2) Spring return;
- (3) Limited movement with spring return

3. Classified by contact system

- (1) Switches with limited movement could have 12 layers in maximum
for 32A and below, and for 63A and above could have 8 layers in maximum;
- (2) Switches with spring return could have 3 layers in maximum;
- (3) Motor switches could have 6 layers in maximum

LW26 Series Rotary Switches

4. Diagram for the operation and position of handle

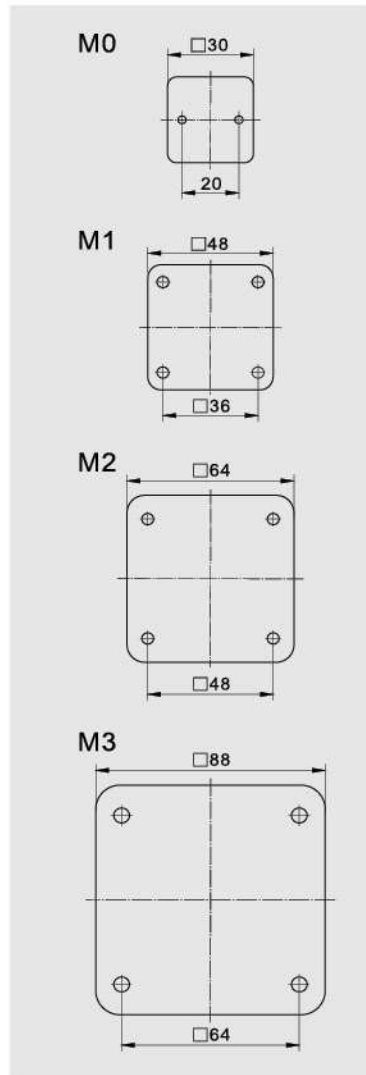
Operation angle	Character code	Position of handle			
		30° Rotation	45° Rotation	60° Rotation	90° Rotation
Spring return	A	30° 0°↖30°	0°↖45°		
	B	30°↗0°↖30°	45°↗0°↖45°		
Limited movement	C	30° 0° 30°	0° 45°	0° 60°	
	D	30° 0° 30°	45° 0° 45°	60° 0° 60°	
	E	30° 0° 30° 60°	45° 0° 45° 90°	90° 30° 30° 90°	
	F	30° 0° 30° 60°	90° 45° 0° 45° 90°	90° 30° 30° 90° 150°	
	G	60° 30° 0° 30° 60°	90° 45° 0° 45° 90° 135°	150° 90° 30° 30° 90° 150°	
	H	60° 30° 0° 30° 60° 90°	135° 90° 45° 0° 45° 90° 135°		
	I	90° 60° 30° 0° 30° 60° 90°	135° 90° 45° 0° 45° 90° 135° 180°		
	J	90° 60° 30° 0° 30° 60° 90° 120°			
	K	120° 90° 60° 30° 0° 30° 60° 90° 120°			
	L	120° 90° 60° 30° 0° 30° 60° 90° 120° 150°			
	M	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150°			
	N	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150° 180°			
	P	30° 30°	45° 45°	30° 30°	45° 45°
	T				90° 0° 90°
	V				0° 90°
Limited movement with spring return	Z	30°↗0° 60°	90° 0°↖45°	60°↗0°↖60°	90° 0°
		60°↗30°↗0°↖30°↖60°	130°↗90° 0°↖45°	90°↗60° 0° 60°↖90°	
		120° 90° 0° 30°	45°↗0°↖45°	120°↗60° 0° 60°↖120°	
		150° 60° 30° 0° 30° 60° 150°			

LW26 Series Rotary Switches

Escutcheon plate and Handle

Escutcheon plate

Type of handle



Type of handle	Color	Escutcheon plate M0 M1 M2 M3	Type of handle	Color	Escutcheon plate M0 M1 M2 M3
R Typ 	Black	● ● ● ●	I Typ 	Black	● ● ● ●
	Red	● ●		Red	● ●
	White			White	
	Gray			Gray	
R2 Typ 	Black	● ●	B Typ 	Black	● ●
	Red			Red	● ●
	White			White	● ●
	Gray			Gray	● ●
F Typ 	Black	● ● ●	L Typ 	Black	●
	Red			Red	
	White			White	
	Gray			Gray	
H Typ 	Black	●	O Typ 	Black	●
	Red			Red	
	White			White	
	Gray			Gray	
P Typ 	Black	● ●	K Typ 	Black	● ●
	Red			Red	
	White			White	
	Gray			Gray	

Re: ● Standard, ● Optional.

Type of handle	Escutcheon plate						Type of handle											Rotating angle				Maximum Number of layers		
	MO	M1	M1B	M2	M2B	M3	R	R2	F	I	B	H	L	O	P	K	30°	45°	60°	90°	12	10	8	
LW26-10	●								●	●							●	●	●	●		●		
LW26X-10	●								●	●							●	●	●	●			●	
LW26-20		●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
LW26c-20				●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●		
LW26-25		●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
LW26-32				●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●			
LW26-32F				●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●			●	
LW26-63				●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●			●	
LW26-125						●	●								●	●	●		●	●			●	
LW26-160						●	●								●	●	●		●	●			●	

Re: M1B、M2B Platet should be installed by self tapping screw.

LW26 Series Rotary Switches

Technical parameters

Description		LW26-10	LW26-20	LW26-25	LW26-32	LW26-63	LW26-125	LW26-160
Rated insulation voltage U_i V		660	660	660	660	660	660	660
Rated thermal current I_{th} A		10	20	25	32	63	125	160
Rated working voltage U_e V		240 440	24 110 240 440	24 110 240 440	240 440	240 440	240 440	240 440
Rated working current								
AC-21A AC-22A I_e A		10 10	20 20	25 25	32 32	63 63	100 100	150 150
AC-23A A		7.5 7.5	15 15	22 22	30 30	57 57	90 90	135 135
AC-2 A		7.5 7.5	15 15	22 22	30 30	57 57	90 90	135 135
AC-3 A		5.5 5.5	11 11	15 15	22 22	36 36	75 75	95 95
AC-4 A		1.75 1.75	3.5 3.5	6.5 6.5	11 11	15 15	30 30	55 55
AC-15 A		2.5 2.5	5 5	8 5	14 6			
DC-13 A			12 0.4 0.4	12 0.4 0.5				
Power P								
AC-23A kW		1.8 1.8	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
AC-2 kW		2.5 2.5	4 7.5	5.5 11	7.5 15	18.5 30	30 45	37 55
AC-3 kW		1.5 1.5	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
AC-4 kW		0.37 0.37	0.55/0.75 1.5/1.5	1.5/1.1 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

Re1: Neutral;

Re2: The power under: AC-23A、AC-3、AC-4 are in three phase three pole, and the denominator represents the power under single phase two poles.

Mechanical life

Mechanical life without load: 0.1×10^6 times, operation frequency is 120 times/h.

Mechanical life with load: 0.03×10^6 times operation frequency is 120 times/h.

Order procedure

When placing an order please specify the contact diagram of the product you require. The LW26 Series rotary have the similar contact diagram as the other rotary switches like LW2D、LW5D、LW6D、LW8D、LW12、LW15、HZ5D and HZ25D. Our factory has published *The General Contact Diagram for Cansen Rotary Switches* which will help you to specify the contact diagram.

In addition please specify the current rating, mounting plate, handle type, color and quantity as well For instance:

When ordering 20A, rotary angle 60° , character code C, contact diagram code 5391, M1 plate, black R handle switch 20 units. The order can be:

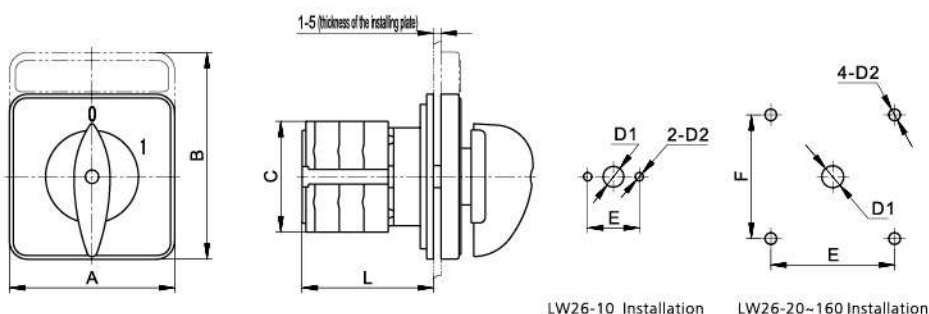
LW26-20-6C5391/2 A11R (M1 R) 20units.

Due to the update of the technologies, we reserve the righting of updating the catalog without further notices.

LW26 Series Rotary Switches

Dimensions and installation

Square escutcheon plate and rectangular escutcheon plate



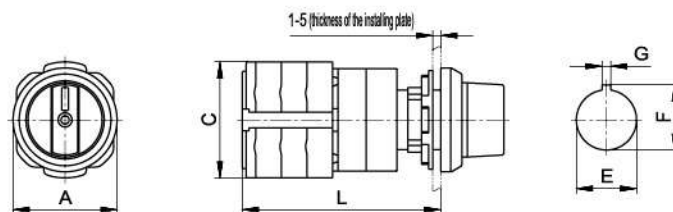
Description	Escutcheon plate	Dimensions (mm)				Installation (mm)			
		A	B	C	D	E	F	D1	D2
LW26-10	M0 square	30	30	28	22+8n	20		Φ 8	Φ 3.2
LW26X-10	M0 square	30	30	28	26.5+12n	20		Φ 8	Φ 3.2
LW26-20	M1 square	48	48	43	22+9.6n	36	36	Φ 8.5	Φ 4.5
	M1 rectangular	48	60	43	22+9.6n	36	36	Φ 8.5	Φ 4.5
	M2 square	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
LW26c-20	M2 square	64	64	60	42.5+12.6n	48	48	Φ 10	Φ 4.5
	M2 rectangular	64	80	60	42.5+12.6n	48	48	Φ 10	Φ 4.5
	M3 square	88	88	60	42.5+12.6n	68	68	Φ 13	Φ 6
LW26-25	M1 square	48	48	45.2	23+12.8n	36	36	Φ 8.5	Φ 4.5
	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
LW26-32	M2 square	64	64	58	29.2+12.8n	48	48	Φ 10	Φ 4.5
	M2 rectangular	64	80	58	29.2+12.8n	48	48	Φ 10	Φ 4.5
	M3 square	88	88	58	29.2+12.8n	68	68	Φ 13	Φ 6
LW26-32F	M1 square	48	48	48	23+14n	36	36	Φ 8.5	Φ 4.5
	M1 rectangular	48	60	48	23+14n	36	36	Φ 8.5	Φ 4.5
	M2 square	64	64	48	24.5+14n	48	48	Φ 10	Φ 4.5
	M2 rectangular	64	80	48	24.5+14n	48	48	Φ 10	Φ 4.5
LW26-63	M2 square	64	64	66	29.2+21.5n	48	48	Φ 10	Φ 4.5
	M2 rectangular	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
LW26-125	M3 square	88	88	84	35+26.5n	68	68	Φ 13	Φ 6
LW26-160	M3 square	88	88	88	35+32.5n	68	68	Φ 13	Φ 6

Re: n for number of layers.

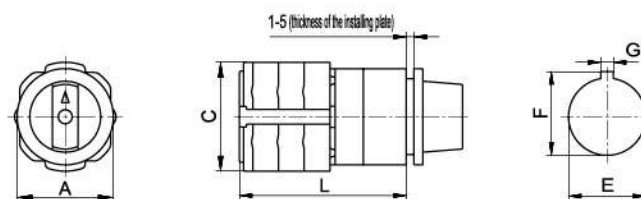
LW26 Series Rotary Switches

Special type and optional extras

Single hole installation

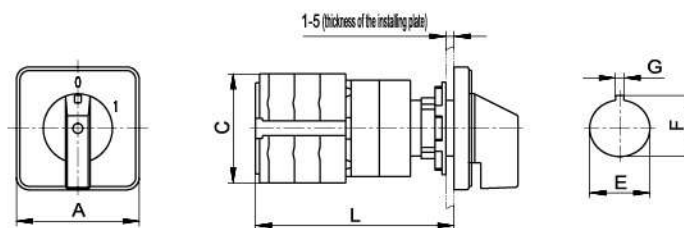


Description	Dimensions (mm)			Installation (mm)			Type of handle		
	A	C	L	E	F	G	I	B	F
LW26-10	Φ 29	28	35+8n	Φ 16.2	18	1.9	●		●
LW26X-10	Φ 29	28	39+12n	Φ 16.2	18	1.9	●		●
LW26-20	Φ 39	43	42+9.6n	Φ 22.3	24.1	3.2	●	●	●
LW26-20	Φ 39	43	42+9.6n	Φ 30.5	33	4.8	●	●	●
LW26-25	Φ 39	45.2	42+12.8n	Φ 22.3	24.1	3.2	●	●	●
LW26-25	Φ 39	45.2	42+12.8n	Φ 30.5	33	4.8	●	●	●
LW26-32F	Φ 39	48	42+14n	Φ 22.3	24.1	3.2	●	●	●
LW26-32F	Φ 39	48	42+14n	Φ 30.5	33	4.8	●	●	●



Description	Dimensions (mm)			Installation (mm)		
	A	C	L	E	F	G
LW26-20	Φ 39	43	35+9.6n	Φ 30.5	33	4.8
LW26-25	Φ 39	45.2	35+12.8n	Φ 30.5	33	4.8
LW26-32F	Φ 39	48	35+14n	Φ 30.5	33	4.8

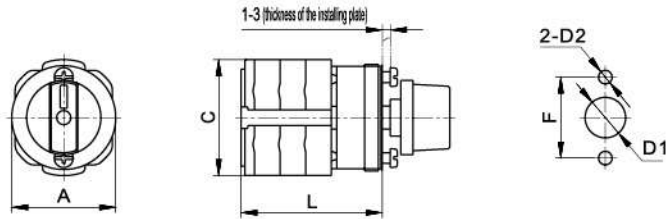
Single hole installation



Description	Escutcheon plate	Dimensions (mm)			Installation (mm)			Type of handle		
		A	C	L	E	F	G	I	B	F
LW26-10	M0 square	□ 30	28	35+8n	Φ 16.2	18	1.9	●		●
LW26X-10	M0 square	□ 30	28	39+12n	Φ 16.2	18	1.9	●		●
LW26-20	M1 square	□ 30	43	42+9.6n	Φ 22.3	24.1	3.2	●	●	●
LW26-20	M1 square	□ 30	43	42+9.6n	Φ 30.5	33	4.8	●	●	●
LW26-25	M1 square	□ 30	45.2	42+12.8n	Φ 22.3	24.1	3.2	●	●	●
LW26-25	M1 square	□ 30	45.2	42+12.8n	Φ 30.5	33	4.8	●	●	●
LW26-32F	M1 square	□ 30	48	42+14n	Φ 22.3	24.1	3.2	●	●	●
LW26-32F	M1 square	□ 30	48	42+14n	Φ 30.5	33	4.8	●	●	●

LW26 Series Rotary Switches

Double hole installation

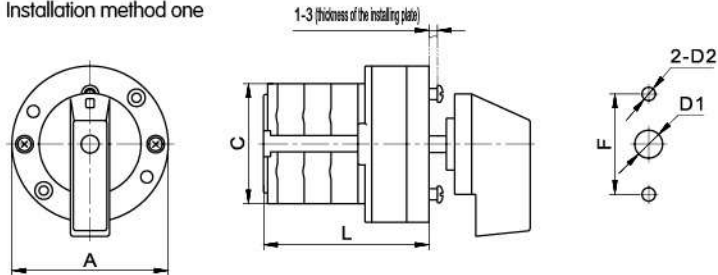


Description	Dimensions (mm)			Installation (mm)		
	A	C	L	F	D1	D2
LW26-20	39	43	24+9.6n	30.5	Φ15	Φ5
LW26-25	39	45.2	25+12.8n	30.5	Φ15	Φ5
LW26-32F	39	48	25+14n	30.5	Φ15	Φ5

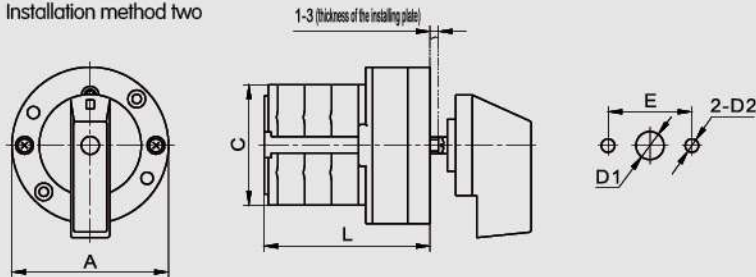
Embed brass nut installation

Re: customers should select the installation method which is suitable.

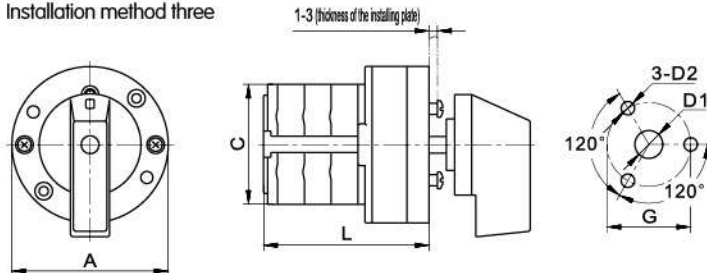
Installation method one



Installation method two



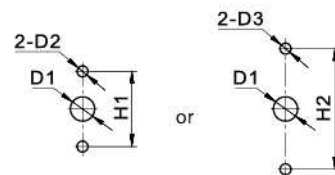
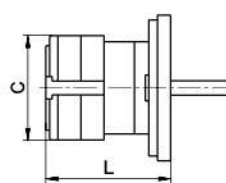
Installation method three



Description	Dimensions (mm)			Installation (mm)				
	A	C	L	E	F	G	D1	D2
LW26 20	Φ 56	43	31+9.6n	30	36	Φ 30	Φ 10	Φ 4.5
LW26c-20	Φ 60	60	30+12.6n	30	36	Φ 30	Φ 10	Φ 4.5
LW26-25	Φ 56	45.2	32+12.8n	30	36	Φ 30	Φ 10	Φ 4.5
LW26-32	Φ 56	58	30+12.8n	30	36	Φ 30	Φ 10	Φ 4.5
LW26-32F	Φ 56	48	32+14n	30	36	Φ 30	Φ 10	Φ 4.5
LW26-63	Φ 56	66	30+21.5 n	30	36	Φ 30	Φ 10	Φ 4.5

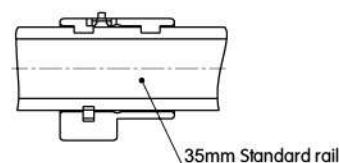
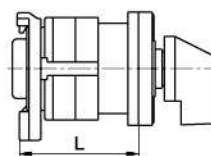
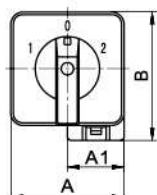
LW26 Series Rotary Switches

Double holes flexible installation



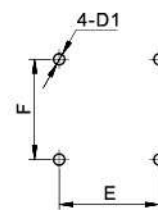
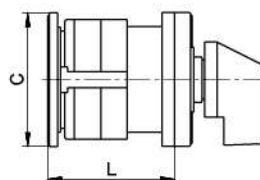
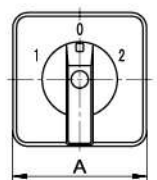
Description	Dimensions (mm)			Installation (mm)				
	A	C	L	H1	H2	D1	D2	D3
LW26-20	□ 60	43	26+9.6n	30~36	47~50	Φ10	Φ3.5	Φ4.5
LW26c-20	□ 60	60	31+12.6 n	30~36	47~50	Φ10	Φ3.5	Φ4.5
LW26-25	□ 60	45.2	27+12.8n	30~36	47~50	Φ10	Φ3.5	Φ4.5
LW26-32F	□ 60	48	27+14 n	30~36	47~50	Φ10	Φ3.5	Φ4.5
LW26-32	□ 60	58	31+12.8 n	30~36	47~50	Φ10	Φ3.5	Φ4.5
LW26-63	□ 60	66	31+21.5n	30~36	47~50	Φ10	Φ3.5	Φ4.5

Parallel installation



Description	Dimensions (mm)				Installation (mm)
	A	A1	B	L	
LW26-20	□ 48	24	54	31+9.6n	35mm Standard rail
LW26-25	□ 48	24	54	32+12.8n	35mm Standard rail
LW26-32F	□ 48	24	54	32+14n	35mm Standard rail

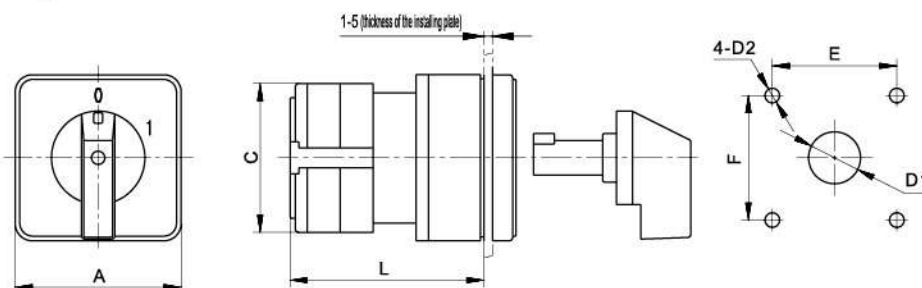
Base installation



Description	Dimensions (mm)			Installation (mm)		
	A	C	L	E	F	D1
LW26-20	□ 48	48	26.5+9.6n	36	36	Φ4.5
LW26c-20	□ 64	64	35+12.6n	48	48	Φ4.5
LW26-25	□ 48	48	27.5+12.8n	36	36	Φ4.5
LW26-32	□ 64	64	33+12.8n	48	48	Φ4.5
LW26-32F	□ 48	48	27.5+14n	48	48	Φ4.5
LW26-63	□ 64	64	33+21.5n	48	48	Φ4.5
LW26-125	□ 88	88	42+26.5n	64	64	Φ6
LW26-160	□ 88	88	42+32n	64	64	Φ6

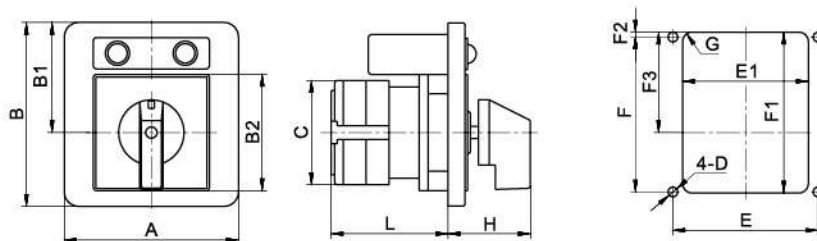
LW26 Series Rotary Switches

Q Type



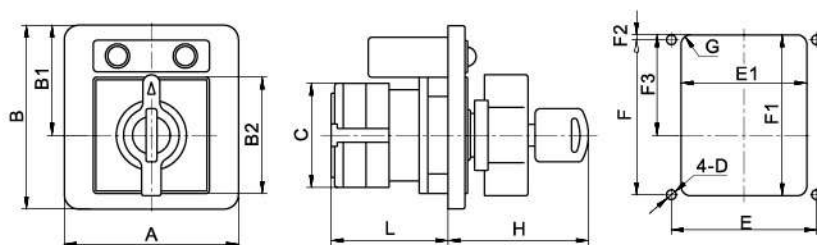
Description	Escutcheon plate	Dimensions (mm)			Installation (mm)			
		A	A1	B	E	F	D1	D2
LW26-20	M1 square	48	43	38+9.6n	36	36	Φ15	Φ4.2
LW26-25	M1 square	48	45.2	39+12.8n	36	36	Φ15	Φ4.2
LW26-32F	M1 square	48	48	39+14n	36	36	Φ15	Φ4.2

Indicating light



Description	Dimensions (mm)							Installation (mm)							
	A	B	B1	B2	C	L	H	E	E1	F	F1	F2	F3	D	G
LW26-20	72	76	45.5	48	43	26+9.6n	34max	60	52	64	66.5	2	41.5	Φ4	R4
LW26-25	72	76	45.5	48	45.2	26+12.8n	34max	60	52	64	66.5	2	41.5	Φ4	R4
LW26-32F	72	76	45.5	48	48	26+14n	34max	60	52	64	66.5	2	41.5	Φ4	R4

Indicating light with keylock



Description	Dimensions (mm)							Installation (mm)							
	A	B	B1	B2	C	L	H	E	E1	F	F1	F2	F3	D	G
LW26-20	72	76	45.5	48	43	26+9.6n	58max	60	52	64	66.5	2	41.5	Φ4	R4
LW26-25	72	76	45.5	48	45.2	26+12.8n	58max	60	52	64	66.5	2	41.5	Φ4	R4
LW26-32F	72	76	45.5	48	48	26+14n	58max	60	52	64	66.5	2	41.5	Φ4	R4

LW26 Series Rotary Switches

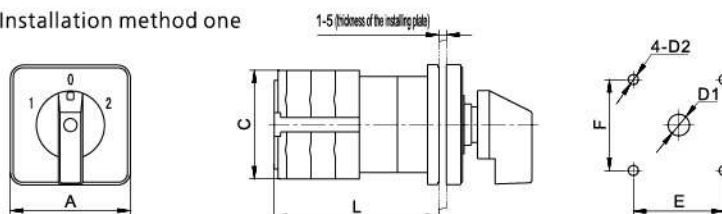
Quick-moving switch

Quick-moving rotary switch operated by quick-moving mechanism. During the operation, switch handle can be rotated against the force of the energy-storage mechanism, and the shaft rotates until the energy-storage mechanism releases. So make the close and open of the contacts quickly. And during the rotation (the close or/and open of the contacts) is controlled by the quick-moving mechanism, and would not affect by the operator.

The quick-moving rotary switch rotates quick, stable and reliable, suitable for on load change-over or direct current system.



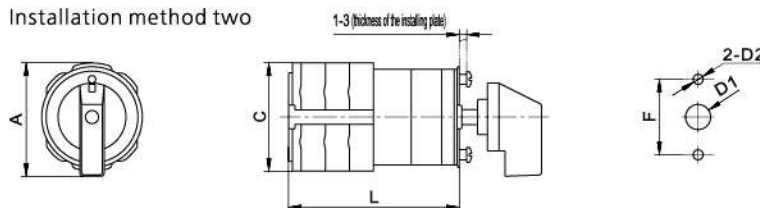
Installation method one



Description	Escutcheon plate	Dimensions (mm)			Installation (mm)			
		A	C	L	E	F	D1	D2
LW26-20	M1 square	48	43	37+9.6n	36	36	Φ 8.5	Φ 4.5
LW26-20	M2 square	64	43	38+9.6n	48	48	Φ 10	Φ 4.5
LW26-25	M1 square	48	45.2	38+12.8n	36	36	Φ 8.5	Φ 4.5
LW26-25	M2 square	64	45.2	39+12.8n	48	48	Φ 10	Φ 4.5
LW26-32F	M1 square	48	48	38+14n	36	36	Φ 8.5	Φ 4.5
LW26-32F	M2 square	64	48	39+14n	48	48	Φ 10	Φ 4.5

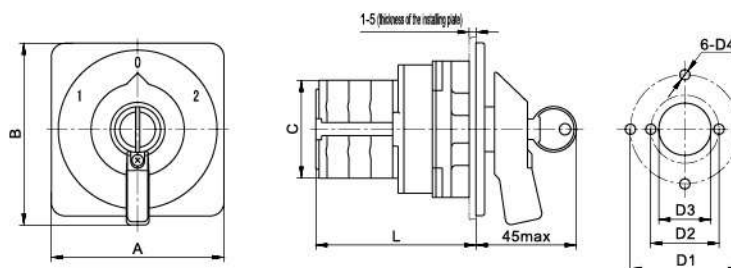


Installation method two



Description	Dimensions (mm)			Installation (mm)		
	A	C	L	E	F	D1
LW26-20	45	43	39+9.6n	30	Φ 10	Φ 4.5
LW26-25	46	45.2	31+12.8n	30	Φ 10	Φ 4.5
LW26-32F	48	48	31+14n	30	Φ 10	Φ 4.5

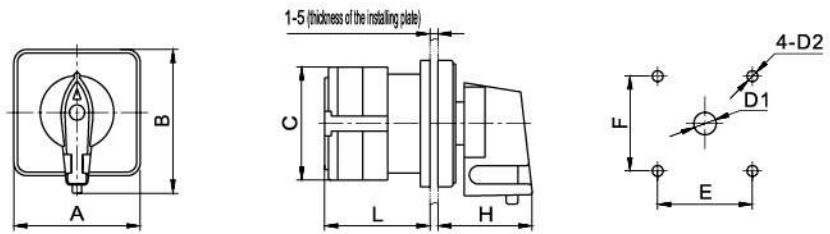
LS type



Description	Dimensions (mm)				Installation (mm)			
	A	B	C	L	D1	D2	D3	D4
LW26-20	76	80	43	31+9.6n	Φ 48	Φ 30	Φ 23	Φ 4.5
LW26-25	76	80	45.2	32+12.8n	Φ 48	Φ 30	Φ 23	Φ 4.5
LW26-32	76	80	58	30+12.8n	Φ 48	Φ 30	Φ 23	Φ 4.5
LW26-32F	76	80	48	3 2+14 n	Φ 48	Φ 30	Φ 23	Φ 4.5
LW26-63	76	80	66	30+21.5 n	Φ 48	Φ 30	Φ 23	Φ 4.5

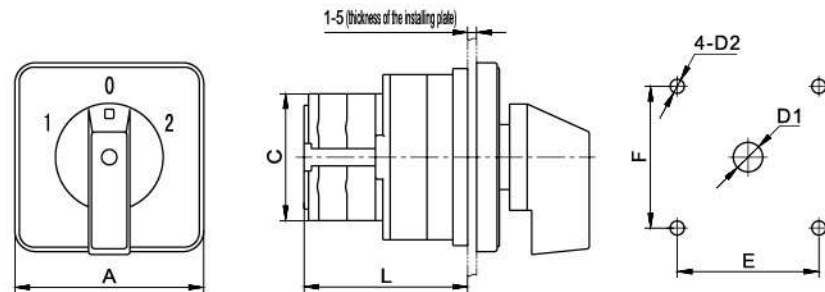
LW26 Series Rotary Switches

Single lock



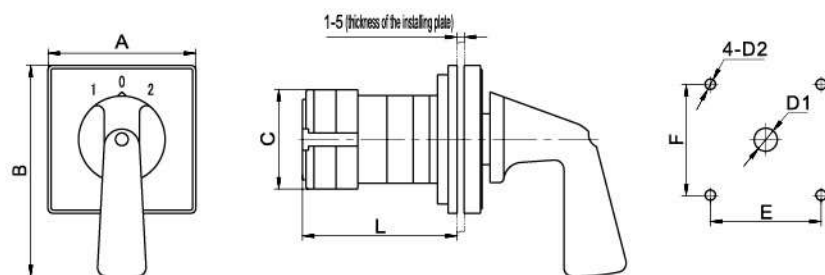
Description	Dimensions (mm)					Installation (mm)			
	A	B	C	L	H	E	F	D1	D2
LW26-20	□ 48	55	43	22+9.6n	36max	36	36	Φ 8.5	Φ 4.5
LW26-25	□ 48	55	45.2	25+12.8n	36max	36	36	Φ 8.5	Φ 4.5
LW26-32	□ 48	55	48	23+14n	36max	36	36	Φ 8.5	Φ 4.5

Reinforced limited movement type



Description	Dimensions (mm)			Installation (mm)			
	A	C	L	E	F	D1	D2
LW26-20	□ 64	43	36+9.6n	48	48	Φ 10	Φ 4.5
LW26-20	□ 64	60	36+12.6n	48	48	Φ 10	Φ 4.5
LW26-25	□ 64	45.2	37.5+12.8n	48	48	Φ 10	Φ 4.5
LW26-25	□ 64	58	36+12.8n	48	48	Φ 10	Φ 4.5
LW26-32F	□ 64	48	37.5+14n	48	48	Φ 10	Φ 4.5
LW26-32F	□ 64	66	36+21.5n	48	48	Φ 10	Φ 4.5

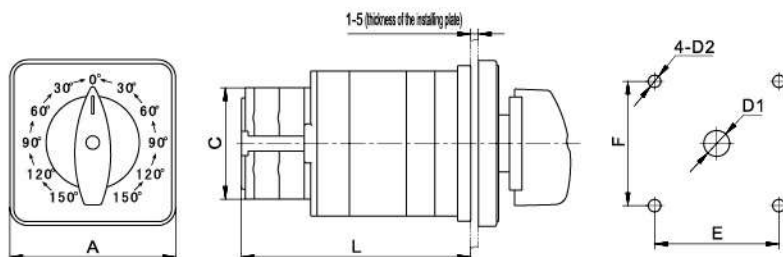
Put out type



Description	Dimensions (mm)				Installation (mm)			
	A	B	C	L	E	F	D1	D2
LW26-20	64	91.5	43	48+9.6n	48	48	Φ 10	Φ 4.5
LW26-25	64	91.5	45.2	49+12.8n	48	48	Φ 10	Φ 4.5
LW26-32	64	91.5	48	49+14n	48	48	Φ 10	Φ 4.5

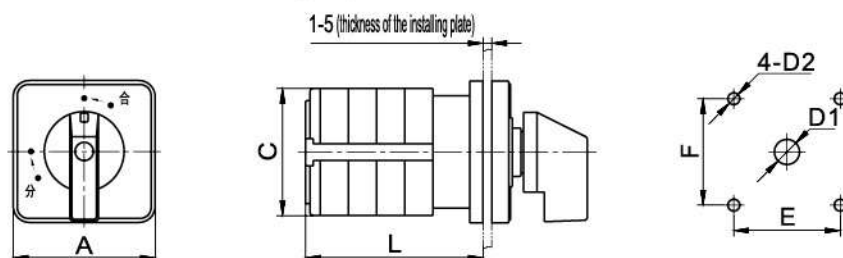
LW26 Series Rotary Switches

Multi-position spring return



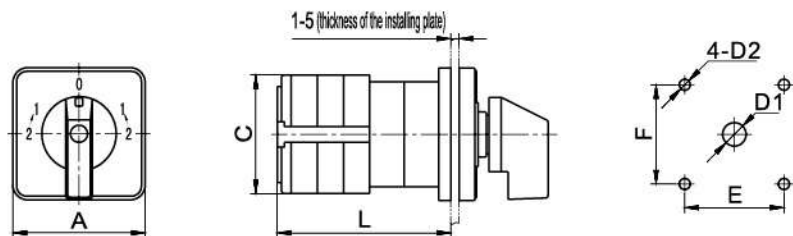
Description	Dimensions (mm)			Installation (mm)			
	A	C	L	E	F	D1	D2
LW26-20	□ 64	43	70+9.6n	48	48	Φ10	Φ4.5
LW26-20	□ 64	60	69+12.6n	48	48	Φ10	Φ4.5
LW26-25	□ 64	45.2	71+12.8n	48	48	Φ10	Φ4.5
LW26-25	□ 64	58	69+12.8n	48	48	Φ10	Φ4.5
LW26-32F	□ 64	48	71+14n	48	48	Φ10	Φ4.5
LW26-32F	□ 64	66	69+21.5n	48	48	Φ10	Φ4.5

Ratchet limited movement with spring return



Description	Dimensions (mm)			Installation (mm)			
	A	C	L	E	F	D1	D2
LW26-20	□ 48	43	31.5+9.6n	36	36	Φ8.5	Φ4.5
LW26-25	□ 48	45.2	36+12.8n	36	36	Φ8.5	Φ4.5

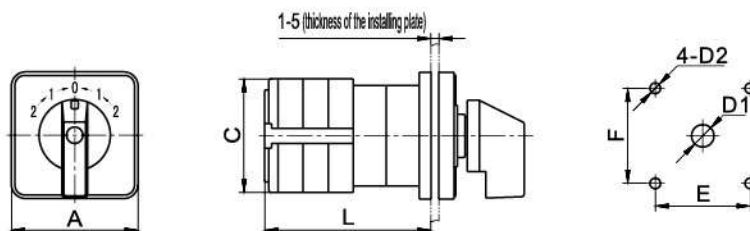
Limited movement with spring return plate



Description	Dimensions (mm)			Installation (mm)			
	A	C	L	E	F	D1	D2
LW26-20	□ 48	43	34.5+9.6n	36	36	Φ8.5	Φ4.5
LW26-25	□ 48	45.2	35.5+12.8n	36	36	Φ8.5	Φ4.5

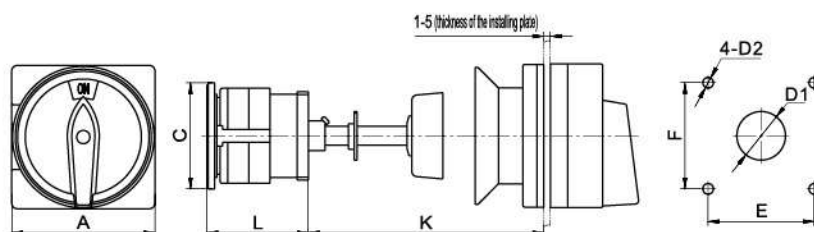
LW26 Series Rotary Switches

Spring return with multiple position



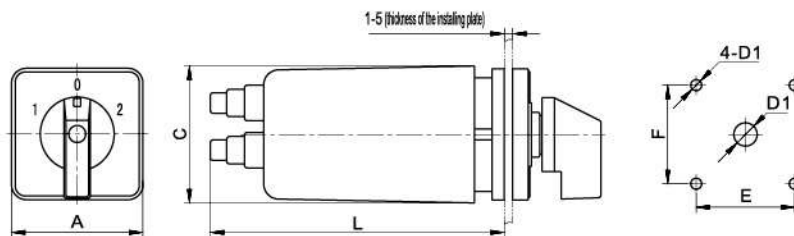
Description	Dimensions (mm)			Installation (mm)			
	A	C	L	E	F	D1	D2
LW26-20	□ 48	43	34.5+9.6n	36	36	Φ 8.5	Φ 4.5
LW26-25	□ 48	45.2	35.5+12.8n	36	36	Φ 8.5	Φ 4.5

Door inter-lock



Description	Dimensions (mm)				Installation (mm)			
	A	B	L	K	E	F	D1	D2
LW26-20	□ 66	48	27+9.6n	150	36	36	Φ 22	Φ 4.5
LW26-25	□ 66	48	28+12.8n	150	36	36	Φ 22	Φ 4.5
LW26-32	□ 66	64	37.5+12.8n	150	36	36	Φ 22	Φ 4.5
LW26-32F	□ 66	64	28+14n	150	36	36	Φ 22	Φ 4.5
LW26-63	□ 66	64	37.5+21.5n	150	36	36	Φ 22	Φ 4.5

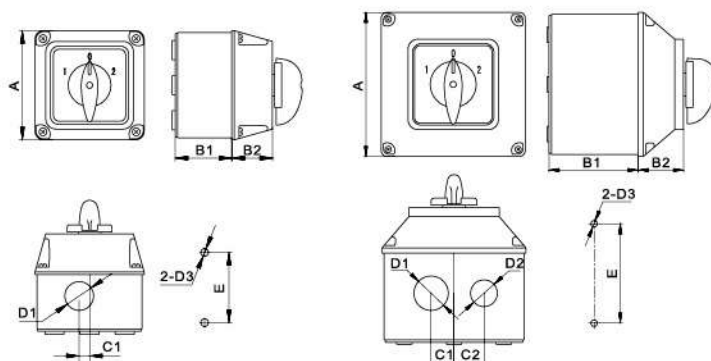
Soft plastic protective box



Description	Dimensions (mm)			Installation (mm)				Stages
	A	C	L	E	F	D1	D2	
LW26-20	□ 48	50	67.5	36	36	Φ 8.5	Φ 4.5	1-3
LW26-25	□ 48	50	96.5	36	36	Φ 8.5	Φ 4.5	1-6

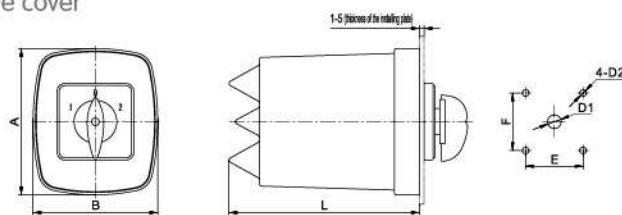
LW26 Series Rotary Switches

Protective box



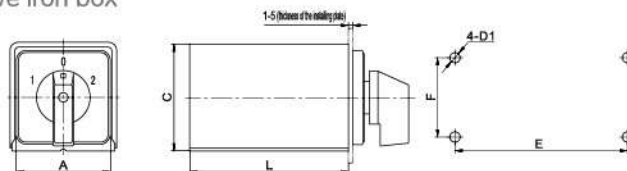
Description	Dimensions (mm)								Installation (mm)		Stages	Remarks
	A	B1	B2	C1	C2	D1	D2	D3	E			
LW26-20	□ 68.5	35.5	25.5	6.5		Φ18		Φ 5	44	1-2		
LW26-20	□ 68.5	45	25.5	6.5		Φ18		Φ 5	44	1-3		
LW26-20	□ 68.5	35.5	32.5	6.5		Φ18		Φ 5	44	1	Single hole	
LW26-20	□ 68.5	45	32.5	6.5		Φ18		Φ 5	44	1-2	Single hole	
LW26-20	□ 113	70.5	35.5	18	23.5	Φ27	Φ 21	Φ 5	78	1-7		
LW26-25	□ 68.5	35.5	25.5	6.5		Φ18		Φ 5	44	1		
LW26-25	□ 68.5	45	25.5	6.5		Φ18		Φ 5	44	1-2		
LW26-25	□ 68.5	35.5	32.5	6.5		Φ18		Φ 5	44	1	Single hole	
LW26-25	□ 68.5	45	32.5	6.5		Φ18		Φ 5	44	1	Single hole	
LW26-25	□ 113	70.5	35.5	18	23.5	Φ27	Φ 21	Φ 5	78	1-5		
LW26-32F	□ 68.5	35.5	25.5	6.5		Φ18		Φ 5	44	1		
LW26-32F	□ 68.5	45	25.5	6.5		Φ18		Φ 5	44	1-2		
LW26-32F	□ 68.5	35.5	32.5	6.5		Φ18		Φ 5	44	1	Single hole	
LW26-32F	□ 68.5	45	32.5	6.5		Φ18		Φ 5	44	1	Single hole	
LW26-32F	□ 113	70.5	35.5	18	23.5	Φ27	Φ 21	Φ 5	78	1-4		
LW26-32	□ 113	70.5	35.5	18	23.5	Φ27	Φ 21	Φ 5	78	1-4		
LW26-63	□ 113	70.5	35.5	18	23.5	Φ27	Φ 21	Φ 5	78	1-2		

Protective cover



Description	Dimensions (mm)			Installation (mm)				Stages
	A	B	L	E	F	D1	D2	
LW26-20	91.5	78	195	36	36	Φ8.5	Φ4.5	1-6
LW26-25	91.5	78	195	36	36	Φ8.5	Φ4.5	1-5
LW26-32F	91.5	78	195	36	36	Φ8.5	Φ4.5	1-4

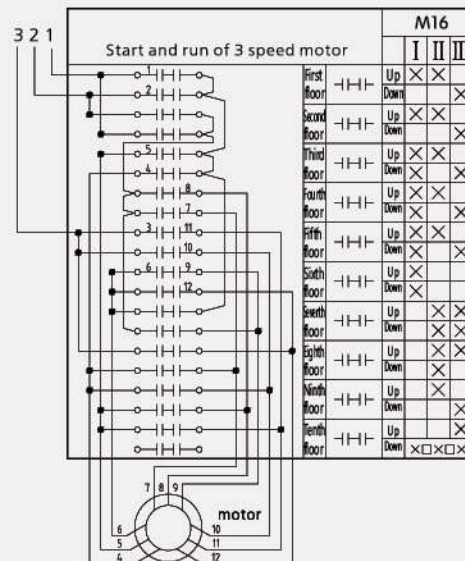
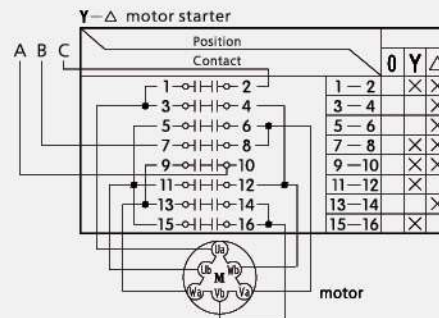
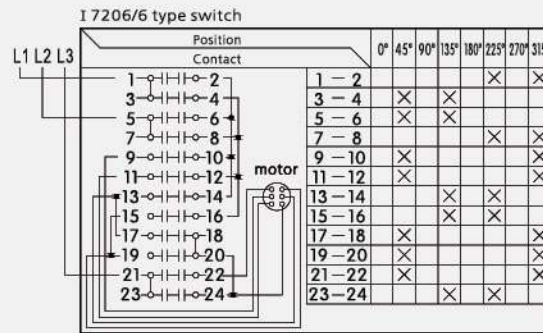
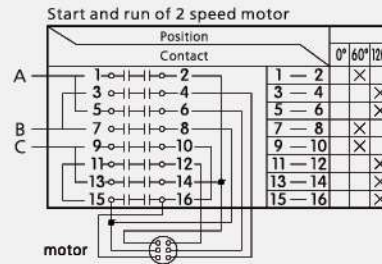
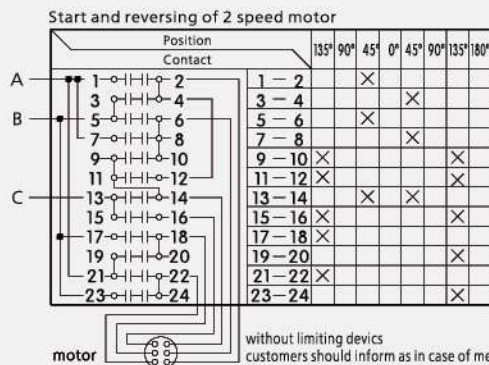
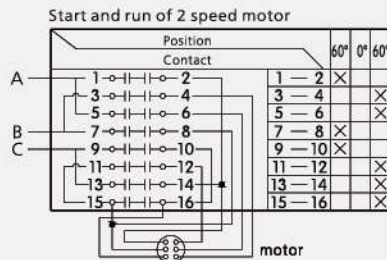
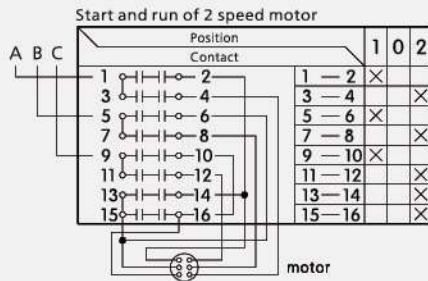
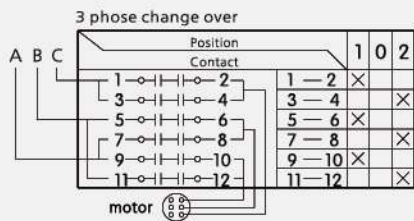
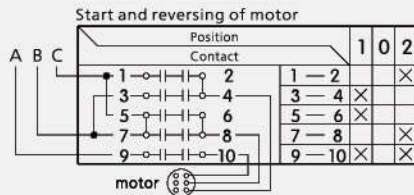
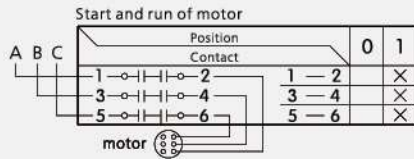
Protective iron box



Description	Dimensions (mm)			Installation (mm)			Stages
	A	C	L	E	F	D1	
LW26-20	64	74	108	69.5	54	Φ7	1-6
LW26-25	64	74	108	69.5	54	Φ7	1-6
LW26-32	64	74	108	69.5	54	Φ7	1-4
LW26-32F	64	74	108	69.5	54	Φ7	1-4

LW26 Series Rotary Switches

Selection of typical contact diagrams



LW26 Series Rotary Switches

Special type and optional extras figure

LW26-10		Product with angled terminals																																					
	<table border="1"><tr><th>Applicable Type</th></tr><tr><td>LW26-10</td></tr><tr><td>LW26X-10</td></tr><tr><td>LW26-20</td></tr><tr><td>LW26c-20</td></tr><tr><td>LW26-25</td></tr><tr><td>LW26-32</td></tr><tr><td>LW26-32F</td></tr><tr><td>LW26-63</td></tr><tr><td>LW26-125</td></tr><tr><td>LW26-160</td></tr></table>	Applicable Type	LW26-10	LW26X-10	LW26-20	LW26c-20	LW26-25	LW26-32	LW26-32F	LW26-63	LW26-125	LW26-160				<table border="1"><tr><th>Applicable Type</th></tr><tr><td>LW26-10</td></tr><tr><td>LW26X-10</td></tr><tr><td>LW26-20</td></tr><tr><td>LW26c-20</td></tr><tr><td>LW26-25</td></tr><tr><td>LW26-32</td></tr><tr><td>LW26-32F</td></tr><tr><td>LW26-63</td></tr><tr><td>LW26-125</td></tr><tr><td>LW26-160</td></tr></table>	Applicable Type	LW26-10	LW26X-10	LW26-20	LW26c-20	LW26-25	LW26-32	LW26-32F	LW26-63	LW26-125	LW26-160												
Applicable Type																																							
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LW26-63																																							
LW26-125																																							
LW26-160																																							
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32A Finger protection			LS type																																				
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LW26-32F □ • A11I	LW26-32F □ • C55I	LW26-32F □ • C51S1		LW26-20 □ • A12LS																																			
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Re: ● Products where suitable.

LW26 Series Rotary Switches

Special type and optional extras figure

Spring return with limited movement		Spring return with multiple position		Put out type																																		
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Special type for DC circuits		Protective cover		Protective iron box																																		
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Protective box																																						
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Re: ● Products where suitable.

LW26GS Series Pad-lock Type Switches

LW26GS-20/04-1



LW26GS-20/04-2



LW26GS-25/04-1



LW26GS-25/04-2



LW26GS-32/04-2



Introduction

LW26GS series Pad-lock type switches are derivatives of LW26 series rotary switches. Installed in equipment where requires a pad-lock to lock the switch in certain position. For instance, to fix the switch in ON position, to prevent the unauthorized personnel from operating the switch.

LW26GS series Pad-lock type switch complies with the GB 14048.3 and IEC 60947.3.

Classification

(1) The LW26GS switch has 6 current ratings: 20A, 25A, 32A, 63A, 125A and 160A. It is able to install M1 or M2 plate for 20A and 25A, M2 or M3 plate for 32A and 63A, M3 plate for 125A and 160A. 2 lockers are able to put on M1 plate, 3 lockers on M2 and M3.

Re: -1、-2、-3 represent M1、M2、M3.

(2) The LW26GS switch has two types:

Common type, black plate black handle

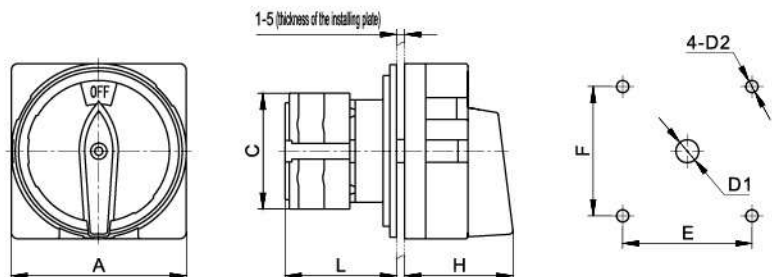
Quick stop type, with quick stop mark, yellow plate and red handle.

Technical parameters

Description		LWGS26-20	LWGS26-25	LWGS26-32	LWGS26-63	LWGS26-125	LWGS26-160
Rated insulation voltage U_i	V	440	440	440	440	440	440
Rated thermal current I_{th}	A	20	25	32	63	125	160
Rated working voltage U_e							
AC-21A	A	20	25	32	63	100	150
AC-22A	A	20	25	32	63	100	150
AC-23A	A	15	22	30	57	90	135
Power P							
AC-23A	kW	7.5	11	15	30	45	75
Operation							
Non-load		8500	8500	8500	8500	8500	8500
Load		1500	1500	1500	1500	1500	1500
Total		10 000	10 000	10 000	10 000	10 000	10 000

Dimensions and installation

LW26GS-□/□-□



LW26GS Series Pak-lock Type Switches

LW26GS-32/04-3



LW26GS-63/04-2



LW26GS-63/04-3



LW26GS-125/04-3



LW26GS-160/04-3



Description	Escutcheon plate	Dimensions (mm)				Installation (mm)			
		A	C	L	H	E	F	D1	D2
LW26GS-20/04-1	M1	□ 48	43	42	33	36	36	Φ 8.5	Φ 4.5
LW26GS-20/04-2	M2	□ 64	43	43	42	48	48	Φ 10	Φ 4.5
LW26GS-25/04-1	M1	□ 48	45.2	50	33	36	36	Φ 8.5	Φ 4.5
LW26GS-25/04-2	M2	□ 64	45.2	51	42	48	48	Φ 10	Φ 4.5
LW26GS-32/04-2	M2	□ 64	58	55	42	48	48	Φ 10	Φ 4.5
LW26GS-32/04-3	M3	□ 88	58	55	52	68	68	Φ 10	Φ 6
LW26GS-63/04-2	M2	□ 64	66	72.5	42	48	48	Φ 10	Φ 4.5
LW26GS-63/04-3	M3	□ 88	66	72.5	52	68	68	Φ 10	Φ 6
LW26GS-125/04-3	M3	□ 88	84	88	52	68	68	Φ 10	Φ 6
LW26GS-160/04-3	M3	□ 88	88	100	52	68	68	Φ 10	Φ 6

LW26S Series Key-lock Type Switches

Introduction

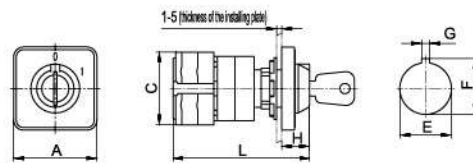
LW26S Key-lock type switches are derivatives of LW26 rotary switches. Installed in equipments, which requires a key to lock the switch. It prevents the unauthorized personnel from mis-operation.

LW26S Key-lock type switches comply with the GB 14048.3 and IEC 60947-3.

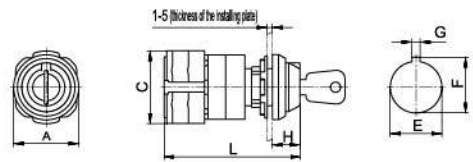
Technical parameters

Description		LW26S-10	LW26S-20	LW26S-25	LW26S-32	LW26S-63
Rated working voltage	Ue V	440	440	440	440	440
Rated thermal current	Ith A	10	20	25	32	63
Rated working current	Ie					
AC-21A	A	10	20	25	32	63
AC-22A	A	10	20	25	32	63
AC-23A	A	7	15	22	30	57
Rated control power	P					
AC-23A	kW	3	7.5	11	15	30

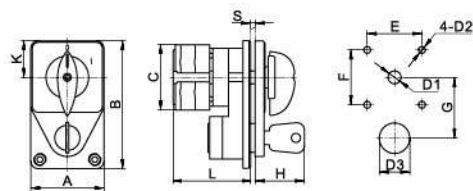
Dimensions and installation



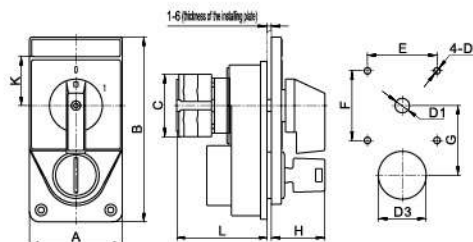
Description	Dimensions (mm)				Installation (mm)		
	A	C	H	L	E	F	G
LW26S-10	30	28	8.5	71.5	Φ16.2	18	1.9
LW26S-20	48	43	15.6	76.5	Φ22.3	24.1	3.2
LW26S-20	64	43	15.6	76.5	Φ22.3	24.1	3.2
LW26S-20	64	43	15.6	76.5	Φ30.5	33	4.8
LW26S-25	48	45.2	15.6	83	Φ22.3	24.1	3.2
LW26S-25	64	45.2	15.6	83	Φ22.3	24.1	3.2
LW26S-25	64	45.2	15.6	83	Φ30.5	33	4.8
LW26S-32F	48	48	15.6	86.5	Φ22.3	24.1	3.2
LW26S-32F	64	48	15.6	86.5	Φ22.3	24.1	3.2
LW26S-32F	64	48	15.6	86.5	Φ30.5	33	4.8



Description	Dimensions (mm)				Installation (mm)		
	A	C	H	L	E	F	G
LW26S-10	Φ29	28	8.5	71.5	Φ16.2	18	1.9
LW26S-20	Φ39	43	15.6	76.5	Φ22.3	24.1	3.2
LW26S-20	Φ39	43	15.6	76.5	Φ22.3	24.1	3.2
LW26S-20	Φ39	43	15.6	76.5	Φ30.5	33	4.8
LW26S-25	Φ39	45.2	15.6	83	Φ22.3	24.1	3.2
LW26S-25	Φ39	45.2	15.6	83	Φ22.3	24.1	3.2
LW26S-25	Φ39	45.2	15.6	83	Φ30.5	33	4.8
LW26S-32F	Φ39	48	15.6	86.5	Φ22.3	24.1	3.2
LW26S-32F	Φ39	48	15.6	86.5	Φ22.3	24.1	3.2
LW26S-32F	Φ39	48	15.6	86.5	Φ30.5	33	4.8



Description	Dimensions (mm)							Installation (mm)					
	A	B	K	C	L	H	S	E	F	G	D1	D2	D3
LW26S-20	48	84	24	43	51.5	32.5	1-4	36	36	40	Φ8.5	Φ4.5	Φ20
LW26S-25	48	84	24	45.2	58	32.5	1-4	36	36	40	Φ8.5	Φ4.5	Φ20
LW26S-32	64	112	32	58	72	34	1-6	48	48	48	Φ10	Φ4.5	Φ34
LW26S-32F	48	84	24	48	61.5	32.5	1-4	36	36	40	Φ8.5	Φ4.5	Φ20
LW26S-63	64	112	32	66	79	34	1-6	48	48	48	Φ10	Φ4.5	Φ34



Description	Dimensions (mm)					Installation (mm)							
	A	B	K	C	L	H	E	F	G	D1	D2	D3	
LW26S-20	64	126.5	32	43	51.5	34	48	48	40	Φ10	Φ4.5	Φ34	
LW26S-25	64	126.5	32	45.2	58	34	48	48	40	Φ10	Φ4.5	Φ34	
LW26S-32	64	126.5	32	58	72	34	48	48	48	Φ10	Φ4.5	Φ34	
LW26S-32F	64	126.5	32	48	61.5	34	48	48	40	Φ10	Φ4.5	Φ34	
LW26S-63	64	126.5	32	66	79	34	48	48	48	Φ10	Φ4.5	Φ34	

LW30 Series Rotary Switches

Introduction

LW30-20、25、32



LW30 series rotary switches are applied to circuits of AC 50Hz with working voltage up to 440V and rated working current up to 100A.

LW30 is suitable to control: air-conditioner, water pump and ventilating equipments, and AC motors with small power.

LW30 series rotary switches have six current ratings: 20A, 25A, 32A, 40A, 63A, 80A and 100A.

LW30 series has the finger protection terminals, which offers an extra advantage.

LW30 series switches has Larger insulation distance, quickly disconnecting response. And it is a good choice for DC circuits. LW30 has additional contact which enables us to install the contact separately.

LW30 series rotary switches comply with: GB/T 14048.3, and IEC 60947-3.



LW30-40、63



Working conditions

- (1) Ambient temperature: Do Not exceed 40°C , and the average temperature, measured over a period of 24 hours, can't exceed 35°C .
- (2) Ambient temperature should not be below -25°C .
- (3) Should Not be installed over 2000m above sea level.
- (4) The humidity should not exceed 50% when the ambient temperature is 40°C and higher humidity is allowed for lower temperature.

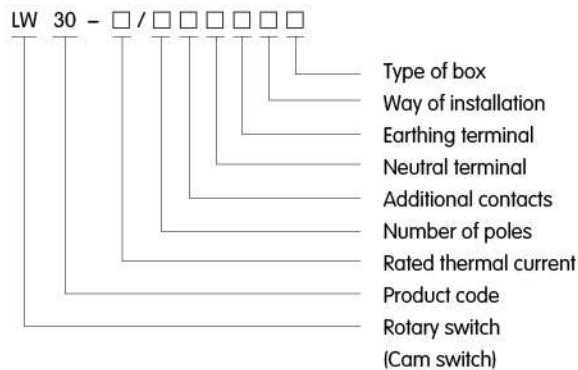
Installation conditions

- (1) A clean environment is required
- (2) Please follow our manual

Classification

1. Classified by utilization
 - (1) AC-23A
 - (2) AC-3
2. Classified by protective level
 - (1) Without plastic box: IP2LO
 - (2) With plastic box: IP65

Designation



Accessorial code:

- Number of poles: 3P, 4P
- Additional contacts: 0 for additional contacts not inclosed, 1 for with additional contacts.
- Neutral terminal: 0 for neutral terminal not inclosed, 1 for with neutral terminal.
- Earthing terminal: 0 for earthing terminal not inclosed, 1 for with earthing terminal.

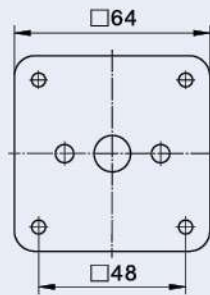
Installation:

1. Pad-lock escutcheon plate
2. Escutcheon plate
3. Single lock parallel installation
4. Doorlock safety switch with Padlock system
5. Single hole installation

Type of box: 0 without protective box, 1 with IP65 Plastic box

LW30 Series Rotary Switches

Escutcheon plate



Type of handle

R Type



I Type



K Type



Accessories

Single pad-lock



Multi-pad-lock



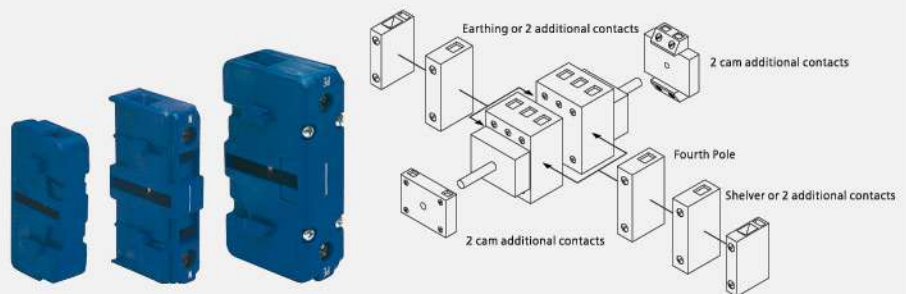
Plastic box



Cover



Auxiliary contact & Optional accessories



LW30 Series Rotary Switches

Technical parameters

Description			LW30-25(20)		LW30-32		LW30-40		LW30-63		LW30-80		LW30-100	
Rated thermal current	I _{th}	A	25(20)		32		40		63		80		100	
Rated working voltage	U _e	V	240	440	240	440	240	440	240	440	240	440	240	440
Rated value	I _e /P _e													
AC-21A	A/kW		20/-	20/-	32/-	32/-	40/-	40/-	63/-	63/-	80/-	80/-	100/-	100/-
AC-22A	A/kW		20/-	20/-	32/-	32/-	40/-	40/-	63/-	63/-	80/-	80/-	100/-	100/-
AC-23A	A/kW		15/4	15/7.5	22/5.5	22/11	30/7.5	30/15	43/11	43/22	57/18.5	57/30	70/22	70/37
AC-3	A/kW		11.7/3	11.7/5.5	15/4	15/7.5	22/7.5	22/11	36/11	36/18.5	43/15	43/22	57/18.5	57/30

Current type: 50Hz AC

Number of main contact: ON and OFF

Frequency: 8 hours per day, 30 times per hour

Mechanism Life: 10000 times/AC-23, 6000 times/AC-3, 2000 times for additional contact

Order Procedurer

When you order our LW30 series, We need your data as following

- Rated working current, for example: LW30-20;
- Accessorial code, please write it orderly
 - Number of poles, for example: 3P;
 - Do you need additional contacts: 0 not inclosed, 1 inclosed
 - Do you need neutral terminal: 0 not inclosed, 1 inclosed;
 - Do you need earthing terminal: 0 not inclosed, 1 inclosed;
 - Way of installation:
 - Escutcheon plate with pad-lock
 - Escutcheon plate
 - Single lock parallel installation
 - Doorlock safety switch with Padlock system
 - Single hole installation
 - Type of box: 0 not inclosed, 1 inclosed.
- Other accessorial code, please write it orderly
 - Type of Escutcheon plate: 1 Escutcheon plate;
 - Denote Φ 22.5 hole;
 - Denote Φ 25 hole;
 - Denote Φ 30.5 hole.
 - Do you need Escutcheon plate with airproof: 0 Not inclosed it, 1 inclosed it
 - Colour of bottom plate: 1 Denote silver color;
 - Denote yellow;
 - Make it against your color
 - Character letter: 1 denote letter; 2 Chinese letter; 3 Special sign
 - Code of handle: R or K or L.

For example:

If you order 40A/3P with additional contacts and earthing terminal land Escutcheon plate without neutral terminal and plastic box.

You must write: LW30-40/310120

If you want to order 32A/3 with Doorlock safety switch,

You must write: LW30-32/300040

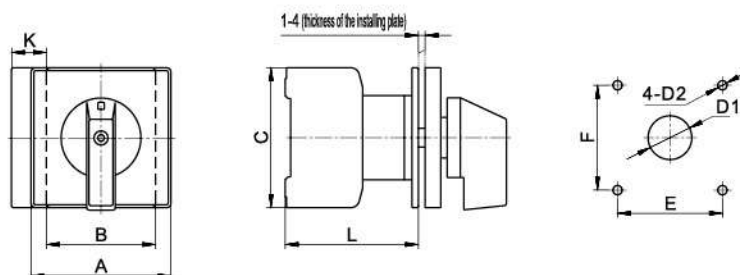
If you want to order 40A/3 with adding contacts, earthing terminal, escutcheon plate, plate with airproof, yellow, Chinese letter, K handle; without neutral terminal and plastic box.

You must write: LW30-40/3 1 0120.1 123K

LW30 Series Rotary Switches

Dimensions and installation

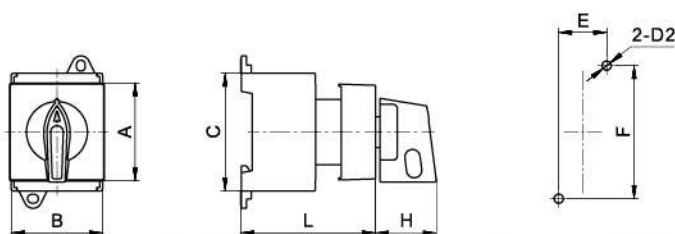
Panel installation



Description	Dimensions (mm)					Installation (mm)			
	A	B	C	K	L	E	F	D1	D2
LW30-20	□ 64	42	54	13.5	61	48	48	Φ10	Φ4.2
LW30-25	□ 64	42	54	13.5	61	48	48	Φ10	Φ4.2
LW30-32	□ 64	42	54	13.5	61	48	48	Φ10	Φ4.2
LW30-40	□ 64	50	64	16	67	48	48	Φ10	Φ4.2
LW30-63	□ 64	50	64	16	67	48	48	Φ10	Φ4.2
LW30-80	□ 64	70	80	22.5	82	48	48	Φ10	Φ4.2
LW30-100	□ 64	70	80	22.5	82	48	48	Φ10	Φ4.2



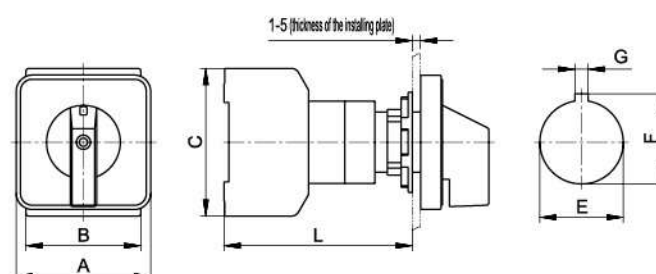
Base installation



Description	Dimensions (mm)					Installation (mm)		
	A	B	C	L	H	E	F	D2
LW30-20	45	42	54	50	26	22	60	Φ4.2
LW30-25	45	42	54	50	60	22	60	Φ4.2
LW30-32	45	42	54	50	60	22	60	Φ4.2

Re: Product can be installed in 35mm parallel.

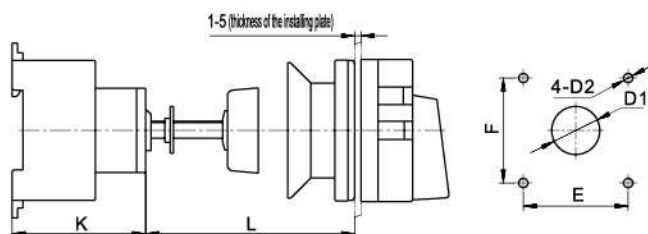
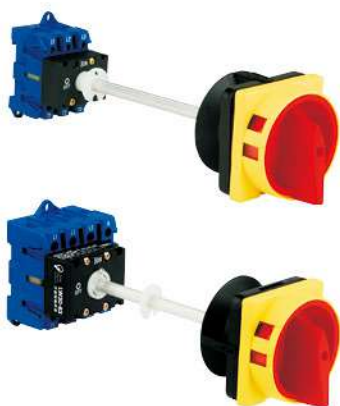
Single hole installation



Description	Dimensions (mm)				Installation (mm)		
	A	B	C	L	E	F	D2
LW30-20	□ 49	42	54	69	Φ22.3	24.1	3.2
LW30-20	□ 49	42	54	69	Φ22.3	24.1	3.2
LW30-25	□ 49	42	54	69	Φ22.3	24.1	3.2
LW30-25	□ 49	42	54	69	Φ22.3	24.1	3.2
LW30-32	□ 49	42	54	69	Φ22.3	24.1	3.2
LW30-32	□ 49	42	54	69	Φ22.3	24.1	3.2

LW30 Series Rotary Switches

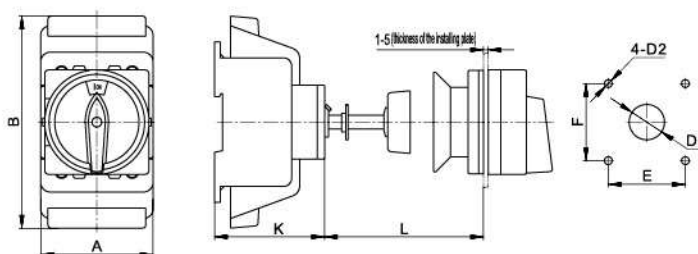
Installation of door lock safety switch



Description	Dimensions (mm)			Installation (mm)			
	K	Lmin	Lmax	E	F	D1	D2
LW30-20	50	32	150	48	48	Φ 22	Φ 4.2
LW30-25	50	32	150	48	48	Φ 22	Φ 4.2
LW30-32	50	32	150	48	48	Φ 22	Φ 4.2
LW30-40	50	32	150	48	48	Φ 22	Φ 4.2
LW30-63	50	32	150	48	48	Φ 22	Φ 4.2
LW30-80	50	32	150	48	48	Φ 22	Φ 4.2
LW30-100	50	32	150	48	48	Φ 22	Φ 4.2

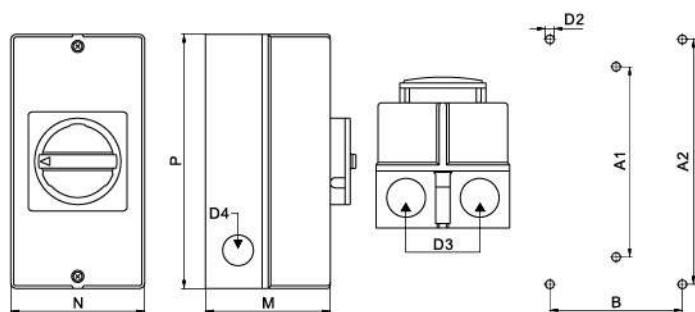
Re: Product can be installed in 35mm parallel.

Protective cover



Description	Dimensions (mm)					Installation (mm)			
	A	B	K	Lmin	Lmax	E	F	D1	D2
LW30-80	70	133	68	32	150	48	48	Φ 22	Φ 4.2
LW30-100	70	133	68	32	150	48	48	Φ 22	Φ 4.2

Plastic box



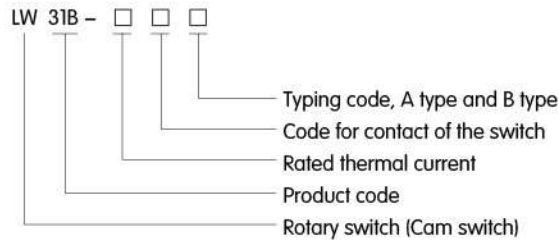
Description	Dimensions (mm)					Installation (mm)			
	D3	D4	M	N	P	A1	A2	B	D2
LW30-20	Φ 23	Φ 19	85	83	160	150	---	---	Φ 4.2
LW30-25	Φ 23	Φ 19	85	83	160	150	---	---	Φ 4.2
LW30-32	Φ 23	Φ 19	85	83	160	150	---	---	Φ 4.2
LW30-40	Φ 29	Φ 23	100	95	190	178	---	---	Φ 4.2
LW30-63	Φ 29	Φ 23	100	95	190	178	---	---	Φ 4.2
LW30-80	Φ 37.5	Φ 23	144	105	250	---	229	124	Φ 6.5
LW30-100	Φ 37.5	Φ 23	144	105	250	---	229	124	Φ 6.5

LW31B Series Rotary Switches

Introduction

LW31 series rotary switches applied to switchgear and control of electric motors as well as to change over of electric circuits, is a good substitution for other cam switches.

Designation



LW31B-16 □ A



LW31B-16 □ A



LW31B-16 □ B



Technical parameters

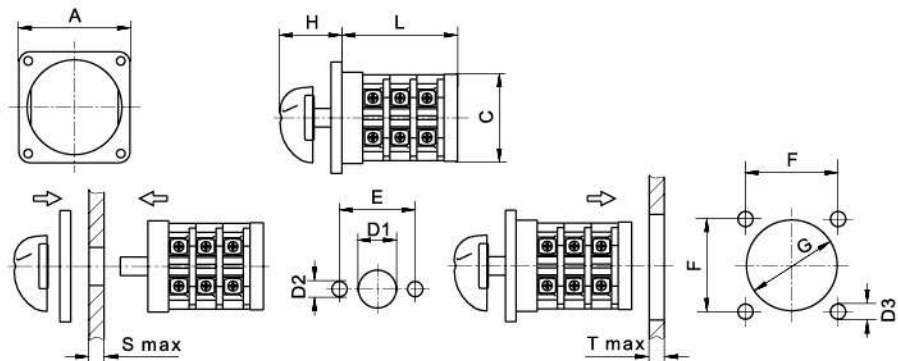
Description			LW31B-16	
Rated thermal current	Ith	A	16	
Rated working voltage	Ue	V	380~440	220~240
Rated working current	Ie			
AC-21A		A	16	
AC-22A		A	16	
DC-20		A	3	4
Rated control power	P	A		0.8
AC-23A		kW	5.5	3
AC-3		kW	5.5	3
AC-4		kW	4	2.2
DC-23		kW	1	0.5

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

Mechanical life with load: 0.6×10^4 times operation frequency is 120 times/h.

Dimensions and installation



Description	Dimensions (mm)				Installation (mm)							
	A	C	H	L	E	D1	D2	S	F	G	D3	T
LW31B-20	□ 52	Φ46.5	30max	27+12n	28	Φ10	Φ4	1.5	35	Φ47	Φ4.5	6

Re: n for number of layers.

LW40 Series Rotary Switches

Introduction

LW40 series rotary switches are suitable for 50Hz AC 690V and below, or DC 440V and below applied in control of machines, lights, protective devices, measurement equipments, as well as control motors.

Designation

LW 40 □ - □ □ / □ • □

- Number of layers
- Code for contact diagram of the switch
- Installation method: screw installation (L), single hole installation (O), protective box (F), parallel installation (D)
- Rated thermal current
- Derivatives: key lock (S), pad lock (GS)
- Product code
- Rotary switch (Cam switch)



Technical parameters

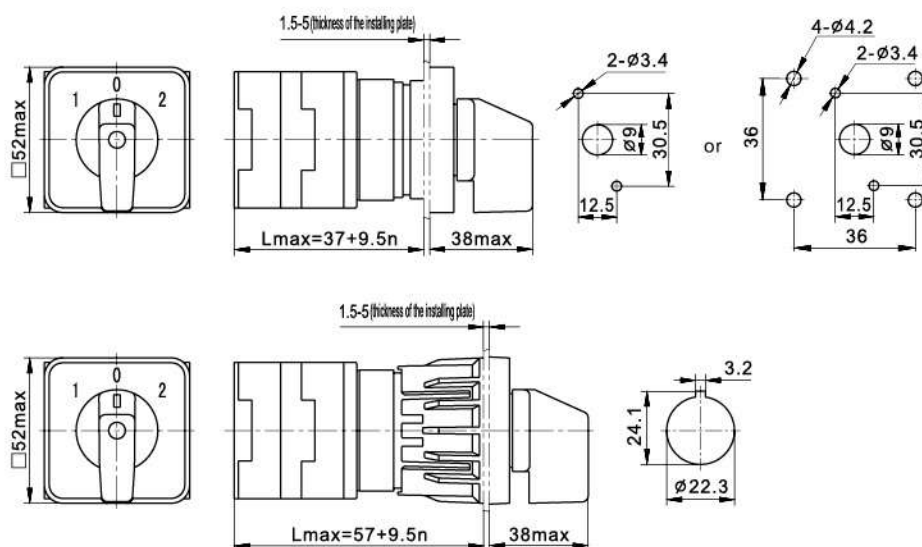
Description			LW40-20	
Rated thermal current	Ith	A	20	
Rated working voltage	Ue	V	220	380
Rated working current	Ie			
AC-15	A		4	
DC-13	A		1.2	
AC-3	A		5	

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

Mechanical life with load: 0.05×10^4 times operation frequency is 120 times/h.

Dimensions and installation



Re: n for number of layers.

KDHc Series Electric Welding Machinery Switch

KDHc-20



KDHc-25



KDHc-32



KDHc-40



Introduction

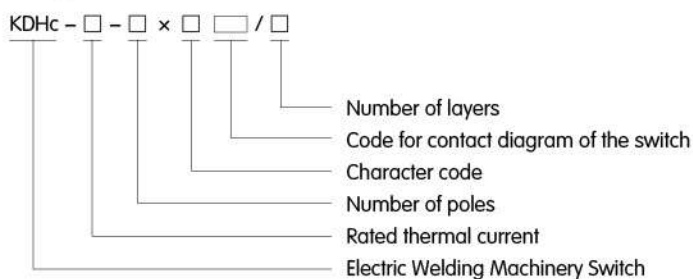
The KDHc electric welding machine switch is applied to AC 50Hz or 60Hz, 440V and below 200A and below, for control of welding machine and control of main circuits as well.

The product complies with GB 14048.3.

Working conditions

- (1) Ambient temperature: Do Not exceed 40°C , and the average temperature, measured over a period of 24 hours, can't exceed 35°C Ambient temperature: Do Not less than -25°C .
- (2) Should Not be installed over 2000m above sea level.
- (3) The switch should not change the circuit when the switch is working with load.
- (4) The humidity should not exceed 50% when the ambient temperature is 40°C , and higher humidity is allowed for lower temperature.
- (5) A clean environment is required.

Designation



Classification

- (1) Classified by current ratings, 20A、 25A、 32A、 40A、 63A.
- (2) Classified by handle position, there are 12 handle positions.
- (3) Classified by type of handle, R type, I Type, B type



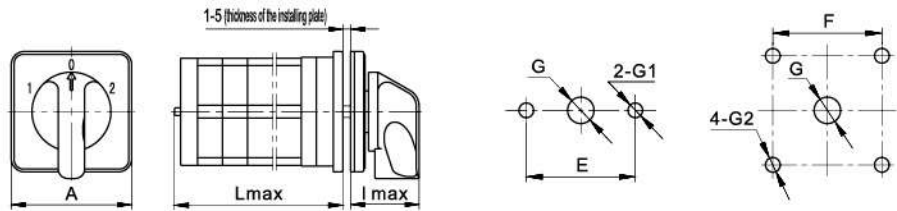
Technical parameters

Description		KDHc-20	KDHc-25	KDHc-32	KDHc-40	KDHc-63
Rated thermal current	I _{th} A	20	25	32	40	63
Rated working voltage	U _e V	240/440	240/440	240/440	240/440	240/440
Rated working current	I _e					
AC-21A	V	20	25	32	40	63
Operation						
Non-load		8500	8500	8500	8500	8500
Load		1500	1500	1500	1500	1500
otal		10 000	10 000	10 000	10 000	10 000
Operation frequency times/h		120	120	120	120	120

KDHc Series Electric Welding Machinery Switch

Dimensions and installation

KDHc-63



Description	Dimensions (mm)			Installation (mm)				
	Lmax	lmax	A	E	F	G	G1	G2
KDHc-20	25+12 n	38	□ 48+0.31	32 ± 0.16	□ 36 ± 0.31	Φ 9.5	Φ 3.5	Φ 4.5
KDHc-25	34+13.3n	37	□ 64 +0.37	36 ± 0.31	□ 48 ± 0.31	Φ 9.5	Φ 4.5	Φ 4.5
KDHc-32	34+13.3n	37	□ 64 +0.37	36 ± 0.31	□ 48 ± 0.31	Φ 9.5	Φ 4.5	Φ 4.5
KDHc-40	34+17.5n	37	□ 64 +0.37	36 ± 0.31	□ 48 ± 0.31	Φ 9.5	Φ 4.5	Φ 4.5
KDHc-63	34+17.5n	37	□ 64 +0.37	36 ± 0.31	□ 48 ± 0.31	Φ 9.5	Φ 4.5	Φ 4.5

KDHs Series Electric Welding Machinery Switch

Introduction

The KDHs-1 60、200 series change-over switches are applied to AC/DC welder and argon arc welder for change-over of electric circuits

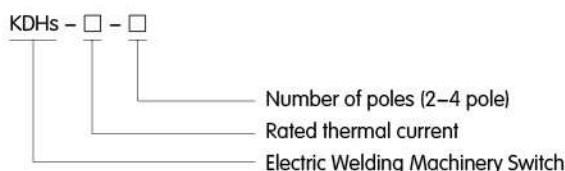
The product complies with GB 14048.3.



Working conditions

- (1) Ambient temperature: Do Not exceed 400℃ , and the average temperature, measured over a period of 24 hours, can't exceed 35℃
- (2) Ambient temperature: Do Not less than -25℃
- (3) Should Not be installed above 2000m above sea level.
- (4) The humidity should not exceed 50% when the ambient temperature is 40℃ and higher humidity is allowed when the temperature is lower.

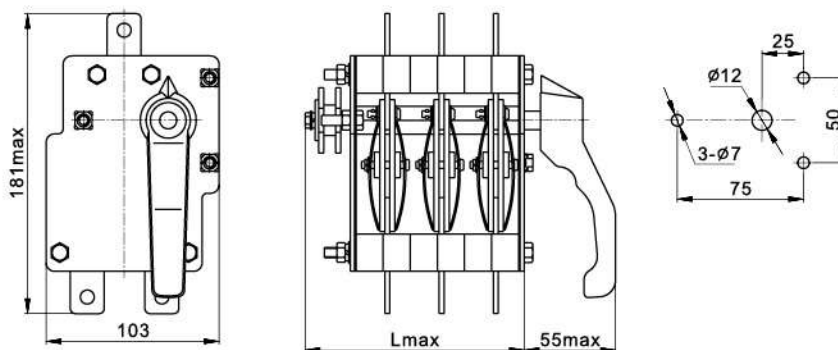
Designation



Technical parameters

Description	KDHs-160- □	KDHs-200- □
Rated volt	42V	42V
Rated current	160A	200A
Power-frequency with stand voltage	4KV	4KV
Insulation resistance	100MΩ	100MΩ
Endurance (times)	1 × 10 ⁴	1 × 10 ⁴
Note	Applicable for 315 welding machine	Applicable for 500 welding machine

Dimensions and installation



Description	Lmax (mm)
one pole	70
two pole	100
three pole	130
four pole	160

KDH Series Electric Welding Machinery Switch

Introduction

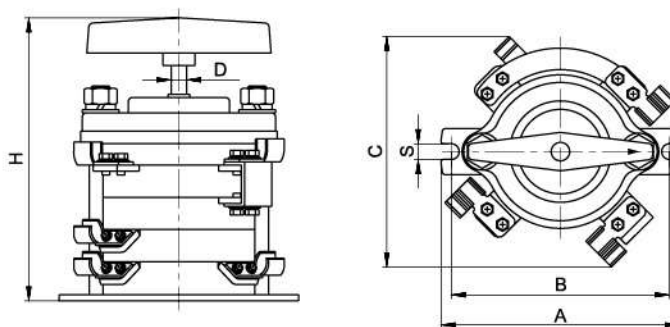
KDH series welding machine is used for the control of the main switch BX3 series welding machine and for change over of coil turns, coil at the stalls, thus expanding the range of current regulation, and it can also be used for other moving-coil transformers arc welding machine.



Technical parameters

Description	KDH-125	KDH-160	KDH-200
Rated thermal current I _{th} A	125	160	200
Operation	0.01×10^6	0.01×10^6	0.01×10^6
Operation frequency times/h	120	120	120

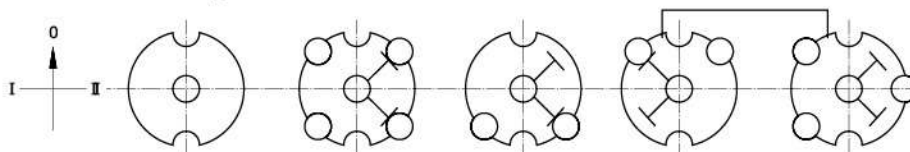
Dimensions and installation



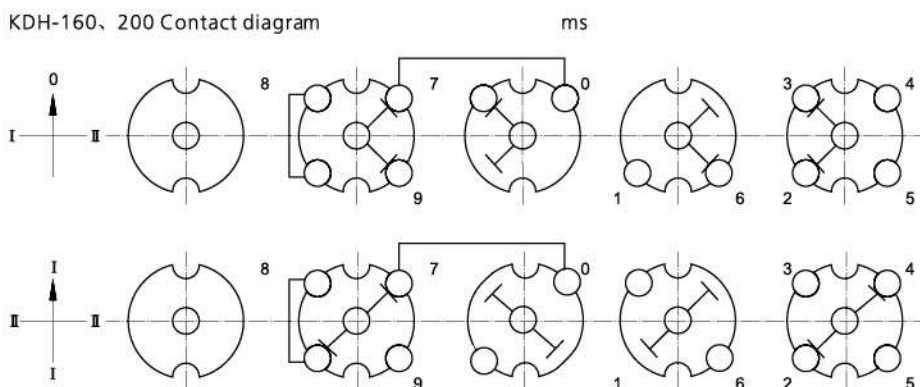
Description	Dimensions (mm)					
	A	B	C	D	H	S
KDH-125	142	112	120	Φ 9	170	7
KDH-160	155	142	150	Φ 9	180	10
KDH-200	155	142	150	Φ 9	193	10

Contact diagrams

KDH-125 Contact diagrams



KDH-160, 200 Contact diagram



HZ10D- □ /E119 Series Electric Welding Machinery Switch

Introduction

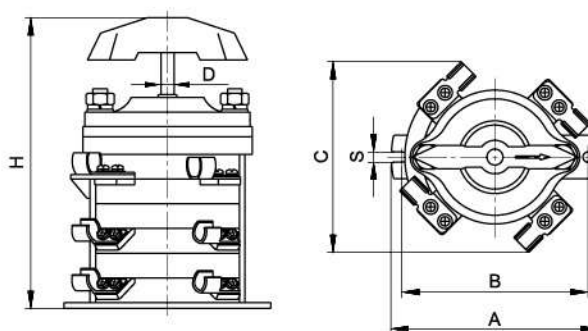
HZ10D- □ /E119 Welding machine switch is applied to welding machine for adjusting current of 100A and below, AC50 Hz or 60Hz, rated voltage 380V and below, for the change of main circuit, auxiliary electrical appliances.



Technical parameters

Description	HZ10D-25/E119		HZ10D-63/E119		HZ10D-100/E119		HZ10D-100/E119	
Rated thermal current I _{th} A	25		63		100		100	
Rated working voltage U _e V	240	440	240	440	240	440	240	440
Rated working current I _e A	25	25	63	63	100	100	100	100

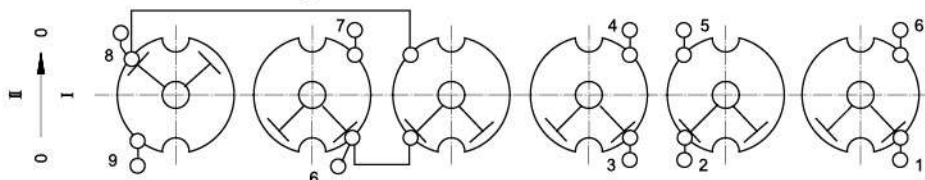
Dimensions and installation



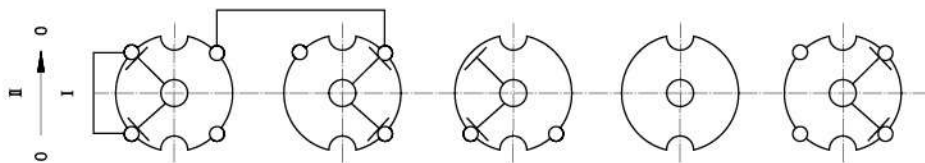
Description	Dimensions (mm)					
	A	B	C	D	H	S
HZ10D-25/E119	100	90	90	Φ8	140	6
HZ10D-63/E119	142	128	110	Φ9	165	7
HZ10D-100/E119	142	128	128	Φ9	210	7
HZ10D-100/E119A	142	128	128	Φ9	188	7

Contact diagrams

HZ10D — □/E119 Contact diagrams



HZ10D — □/E119A Contact diagrams



HJ-75/100 Adapter

Introduction

HJ-75/100 series Adapter is applied to the butt welder, spot welder, seam welding machine for the purposes of current adjusting. The product has three phase, and two current ratings, 75A and 100A.

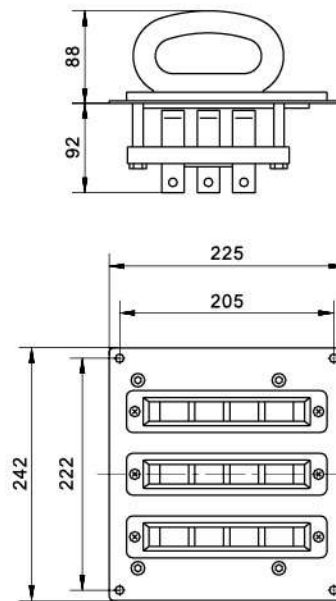
The product complies with GB14048.3.



Technical parameters

Rated volt	~220V ~380V (50HZ)
Rated current	500A
Power-frequency with stand voltage	4KV
Insulation resistance	100M Ω
Endurance (times)	1 $\times$ 10 ⁴

Dimensions and installation



Input Joint Box Series

Introduction

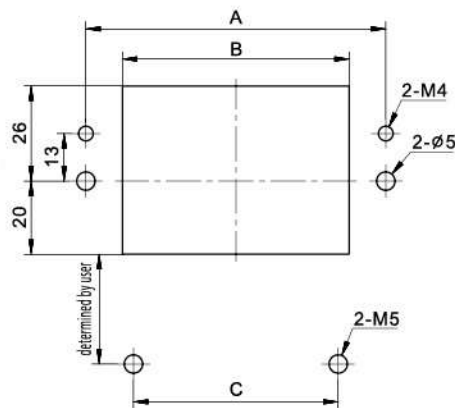
The power input joint box is mainly used for fixing of power supply input connecting wire of various electric welder, with advantages of safety and reliability, the input joint box is classified into H model, D model by appearance, and two-pole, three-pole, four-pole by pole number.

Dimensions and installation

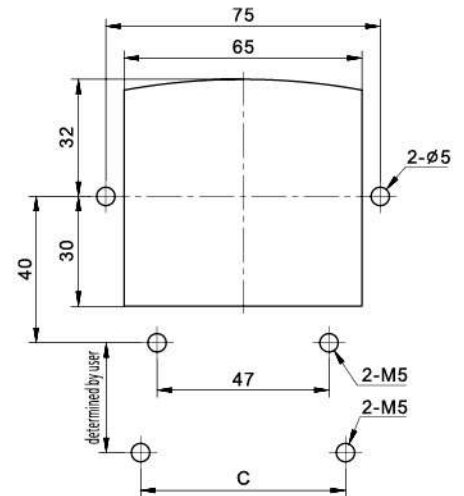
H model two-pole



H model three-pole



H Input Joint Box



D Input Joint Box

D model two-pole



D model three-pole



Description	A	B	C
H model two-pole	82	62	56
H model three-pole	92	70	72
H model four-pole	96	76	

Installation pitch of clamp

Description	C
single-hole	40
two-hole	56
three-hole	72

Output Terminal Block Series

Introduction

A model



The output terminal block is used for fixing of power-supply output connecting wire of various electric welder, the output terminal block IS classified into A、B、C type according to mode, classified into 300、500A、630A、800A、1000A according to current, classified into red and black according to colour.

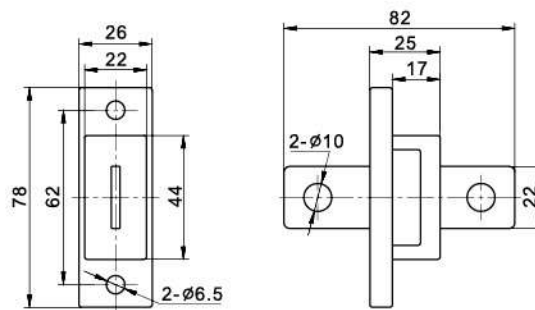
Description	Current A		
A model	300	500	
B model	500	630	
C model	630	800	1000

Dimensions and installation

B model



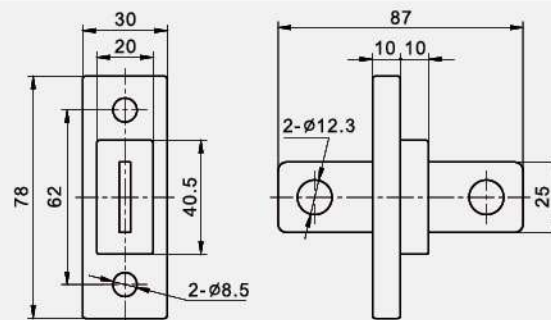
A model dimensions and installation of output terminal blocks



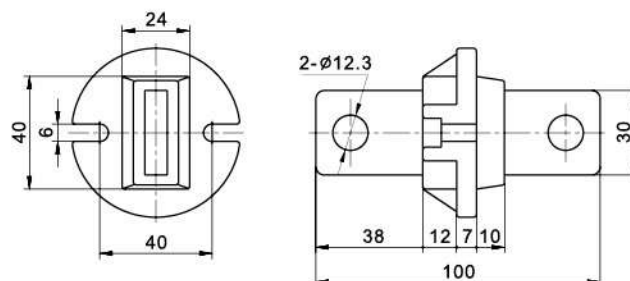
B model



B model dimensions and installation of output terminal blocks



C model dimensions and installation of output terminal blocks



LW2D Series Rotary Switches

Introduction

LW2D is applied to change over of circuits, also for control of electrical measuring instruments and control of motors.

Technical parameters

Rated thermal current	I _{th}	A	10	
Rated working voltage	U _e	V	240	250
Rated working current	I _e			
Double breakpoint		A	2	
Single breakpoint		A	1	
Double breakpoint		A	1.1	
Single breakpoint		A	0.5	

Mechanical life

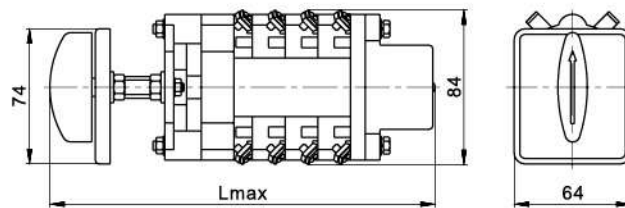
Mechanical life without load: 0.03×10^6 times, operation frequency is 120 times/h.

Mechanical life with load:

AC-15, 0.01×10^6 times operation frequency is 300 times/h.

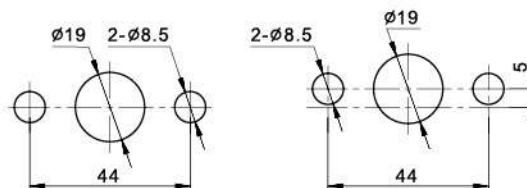
DC-13, 0.01×10^6 times operation frequency is 300 times/h.

Dimensions and installation



Spring return: $L_{max} = 130 + 18n$ (n for number of layers)

Others: $L_{max} = 141 + 18n$ (n for number of layers)



LW5D Series Rotary Switches

Introduction

LW5D is applied to change over of circuits, also for control of starting and running, start and reserving and speed change of motors.

Technical parameters

Uses			Master Control						Direct control motor
Rated thermal current	Ith	A	16						18
Rated working voltage	Ue	V	125	220	250	380	400	500	380
Rated working current	Ie								
AC-15		A	4.6						
AC-3		A							12
AC-4		A							3.5
Double breakpoint		A	0.55	0.27	0.14				
Four breakpoint		A	0.82	0.41	0.20				

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 300 times/h.

Mechanical life with load:

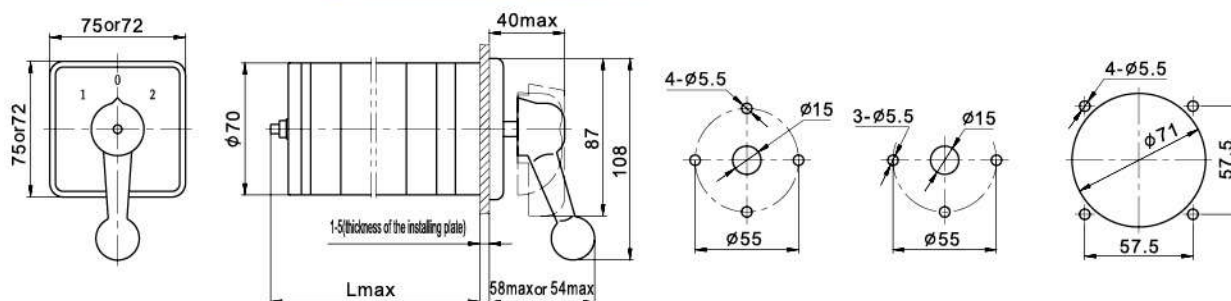
AC-15、DC-13, 0.1×10^6 times operation frequency is 300 times/h.

AC-15, 0.1×10^6 times operation frequency is 120 times/h.

DC-13, 0.1×10^6 times operation frequency is 120 times/h.

Operation angle	Character code	Position of handle
Spring return	A	0° 45°
	B	45° 0° 45°
	C	0° 45°
	D	45° 0° 45°
	E	45° 0° 45° 90°
Limited movement	F	90° 45° 0° 45° 90°
	G	90° 45° 0° 45° 90° 135°
	H	135° 90° 45° 0° 45° 90° 135°
	I	135° 90° 45° 0° 45° 90° 135° 180°
	J	120° 135° 60° 30° 0° 30° 60° 135° 120°
	K	120° 90° 60° 30° 0° 30° 60° 90° 120° 150°
	L	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150°
	M	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150° 180°
	N	45° 45°
	P	90° 0° 90°

Dimensions and installation



Limited movement: $L_{max} + 40_{max}(\text{knob})$ 、 $L_{max} + 58_{max}(\text{handle})$

$L_{max} = 44 + 16n$ (n for number of layers)

Spring return: $L_{max} + 40_{max}(\text{knob})$ 、 $L_{max} + 58_{max}(\text{handle})$

$L_{max} = 48 + 16n$ (n for number of layers)

LW6D Series Rotary Switches

Introduction

LW6D is applied to machine tool for control and change over of circuits, also for change over of circuits in other equipments.



Technical parameters

Rated thermal current	Ith	A	5		
Rated working voltage	Ue	V	220	250	380
Rated working current	Ie				
AC-15		A	1.5		0.95
AC-13		A		0.55	

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

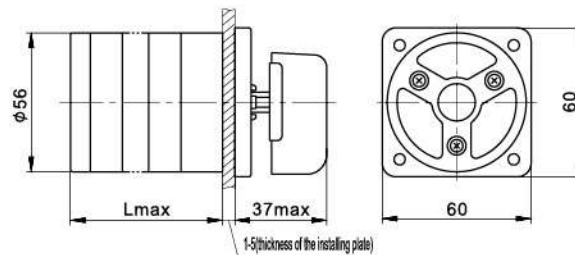
Mechanical life with load:

AC-15, 0.1×10^6 times operation frequency is 300 times/h.

DC-13, 0.1×10^6 times operation frequency is 300 times/h.

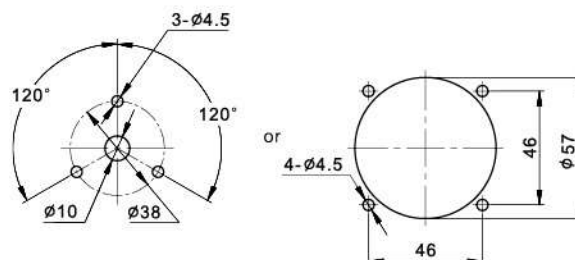
Dimensions and installation

Character code	Position of handle											
A	0° 30°											
B	30° 0° 30°											
C	30° 0° 30° 60°											
D	60° 30° 0° 30° 60°											
E	60° 30° 0° 30° 60° 90°											
F	90° 60° 30° 0° 30° 60° 90°											
G	90° 60° 30° 0° 30° 60° 90° 120°											
H	120° 90° 60° 30° 0° 30° 60° 90° 120°											
I	120° 90° 60° 30° 0° 30° 60° 90° 120° 150°											
J	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150°											
K	210° 240° 270° 300° 330° 0° 30° 60° 90° 120° 150° 180°											



Re: n for number of layers.

two installatton dimensions, up to user's choice.



LW8D Series Rotary Switches

Introduction

LW8D is applied to change over of circuits, also for control of electrical measuring instruments and control of motors.



Technical parameters

Description			LW8D-10			LW8D-20		
Rated thermal current	I _{th}	A	10			20		
Rated working voltage	U _e	V	240	250	380	240	250	380
Rated working current	I _e							
AC-15		A	1.6	0.95		4.6	2.6	
AC-3		A	5					
DC-13		A	0.14			0.27		

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

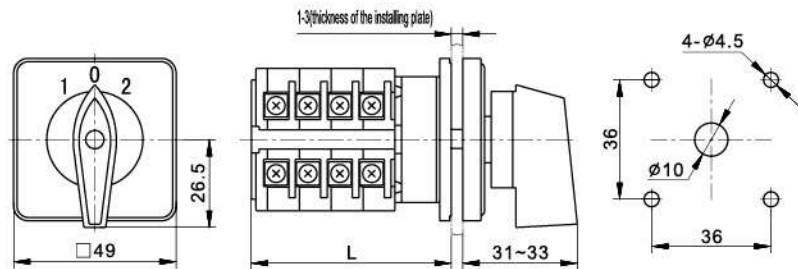
Mechanical life with load:

AC-15, 0.1×10^6 times operation frequency is 300 times/h.

DC-13, 0.1×10^6 times operation frequency is 300 times/h.

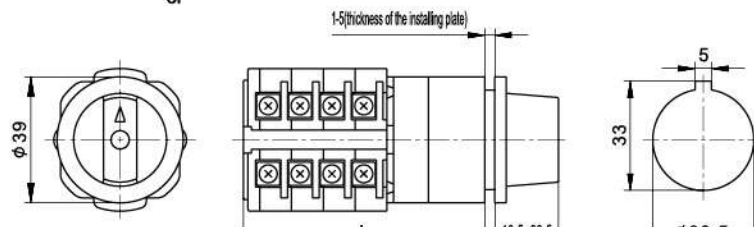
Dimensions and installation

Square escutcheon plate



Round escutcheon plate

or



Description	L (mm)	
	Square escutcheon plate	Round escutcheon plate
LW8D-10	22+10n	35+10n
LW8D-20	22+13n	35+13n

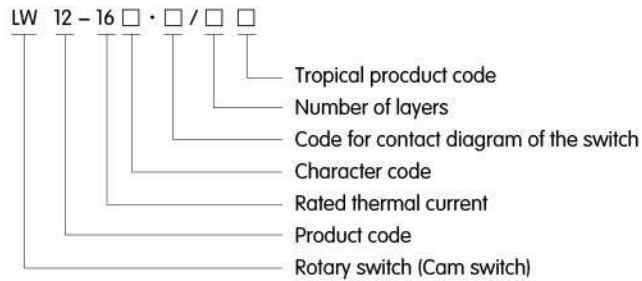
Re: n for number of layers.

LW12 Series Rotary Switches

Introduction

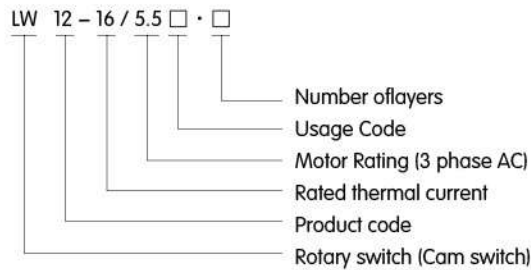
LW12 is applied to change over of circuits, also for control of electrical measuring instruments and control of motors.

Use as control switches



Re: Tropical product code: TH or TA.

Use as motor switch



Re: usage code: (1) Q1 for start and run 2 Layers (2) Q2 for start and run 3 Layers (3) N for start and reversing (4) S for start and run of 2 speed (5) SN for start and reversing of 2 speed motor



Technical parameters

Rated insulation voltage	Ui	V	500	
Rated thermal current	Ith	A	16	
Rated working voltage	Ue	V	220	380
Rated working current	Ie			
AC-15		A	4.6	2.6
DC-13		A	0.27	
AC-3		A	12	
AC-4			12	

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

Mechanical life with load:

AC-15, 0.1×10^6 times operation frequency is 300 times/h.

DC-13, 0.1×10^6 times operation frequency is 300 times/h.

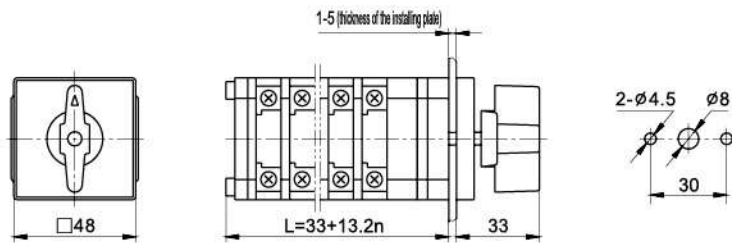
AC-3, 0.1×10^6 times operation frequency is 120 times/h.

AC-4, 0.1×10^6 times operation frequency is 120 times/h.

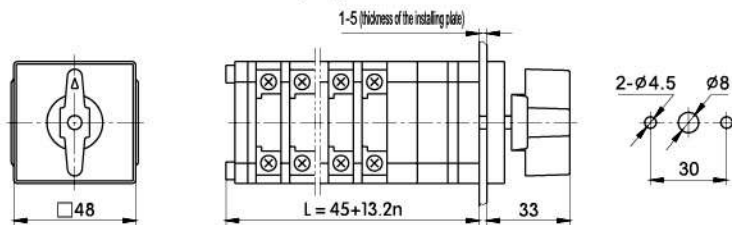
LW12 Series Rotary Switches

Dimensions and installation

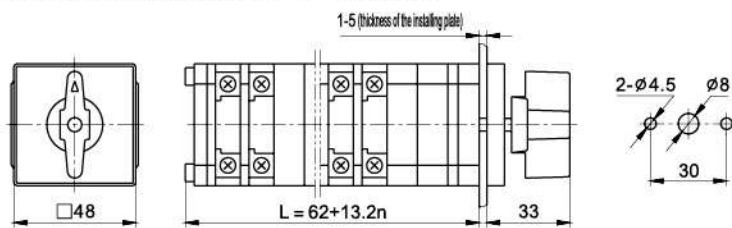
limited movement



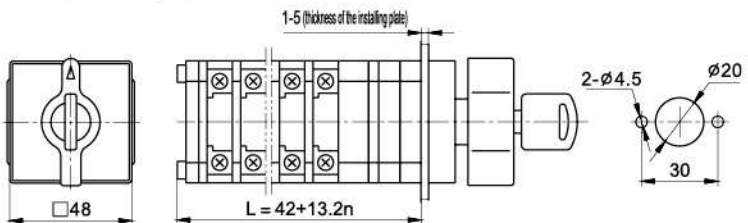
spring return and limited movement with spring return



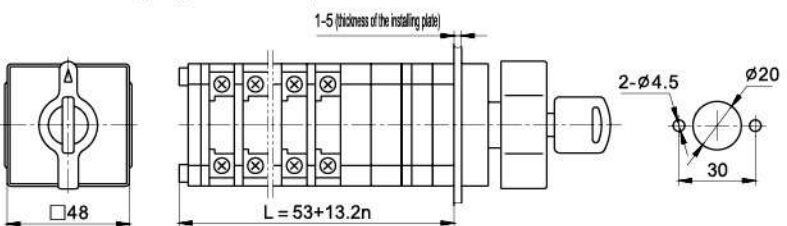
limited movement with spring return and 45° space free



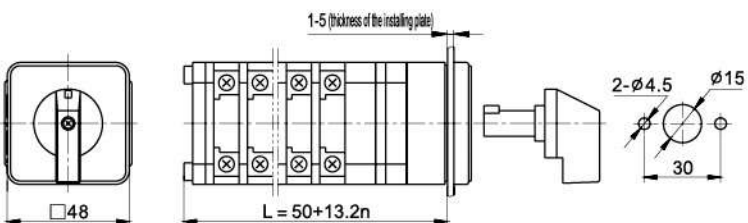
limited movement with key lock



limited movement with spring return and key lock

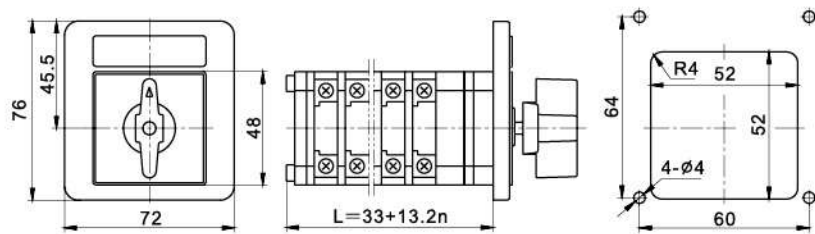


Y type

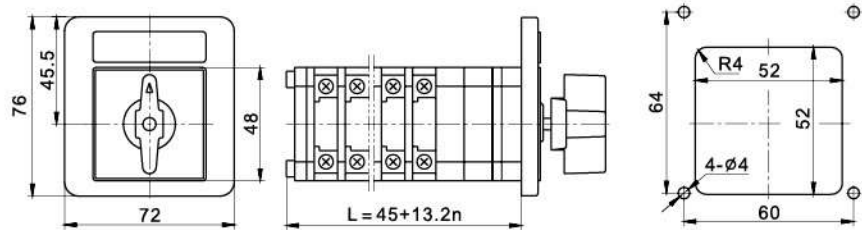


LW12 Series Rotary Switches

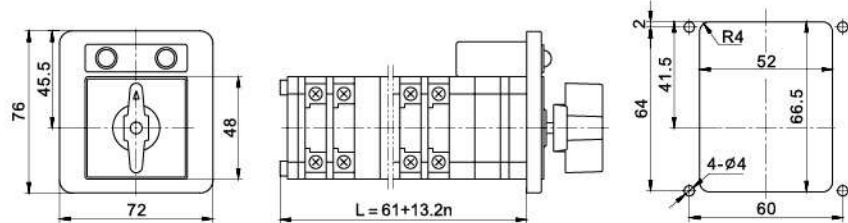
limited movement with indicator



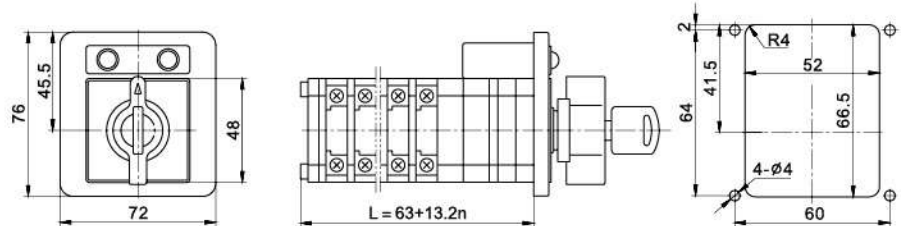
spring return with indicator and limited movement with spring return



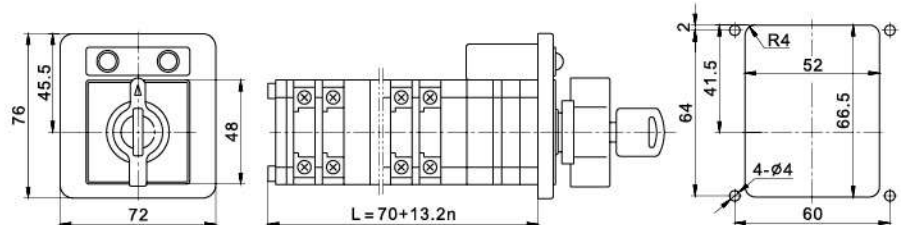
45° free space limited movement with spring return, and indicating light



spring return with key-lock and indicating light, limited movement with spring return and key-lock and indicating light



45° free space limited movement with spring return, key-lock and indicating light



Re: n for number of layers.

LW15 Series Rotary Switches

Introduction

LW15 is applied to change over of circuits,also for direct control of



Technical parameters

Description			LW15–16		
Rated thermal current	Ith	A	16		
Rated working voltage	Ue	V	240	250	380
Rated working current	Ie				
AC–15		A	6	6	
DC–13		A	0.27		
AC–3		A	12		
AC–4		A	10		
Rated control power	P				
AC–3		kW	5.5		
AC–4		kW	4.5		

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

Mechanical life with load:

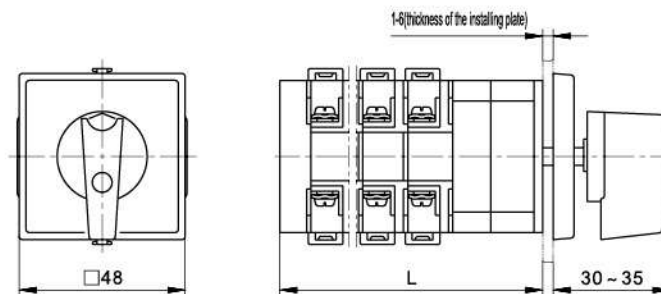
AC-15, 0.1×10^6 times operation frequency is 300 times/h.

DC-13, 0.1×10^6 times operation frequency is 300 times/h.

AC-3, 0.1×10^6 times operation frequency is 120 times/h.

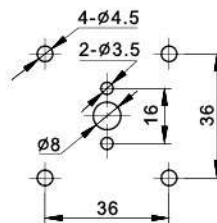
AC-4, 0.1×10^6 times operation frequency is 120 times/h.

Dimensions and installation



Limited movement: $L=35+13n$ (n for number of layers)

Spring return: $L=31.5+13n$ (n for number of layers)



LW26D Series Rotary Switches

Introduction

LW26D is applied to control of machine, for change over of circuits, as well as other circuits where a change over of circuits are required.

The LW26D has finger prove terminals, which provides extra protections.



Technical parameters

Rated thermal current	Ith	A	10	
Rated working voltage	Ue	V	240	380
Rated working current	Ie			
AC-15		A	2.5	1.5
AC-13		A	0.27	

Mechanical life

Mechanical life without load: 0.3×10^6 times, operation frequency is 120 times/h.

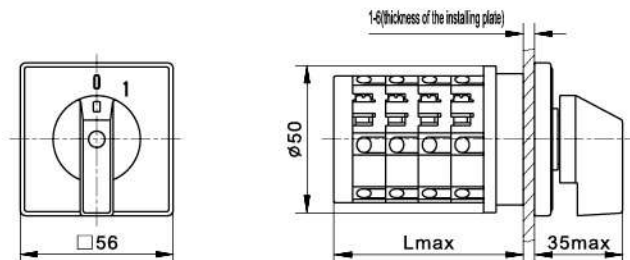
Mechanical life with load:

AC-15, 0.1×10^6 times operation frequency is 300 times/h.

DC-13, 0.1×10^6 times operation frequency is 300 times/h.

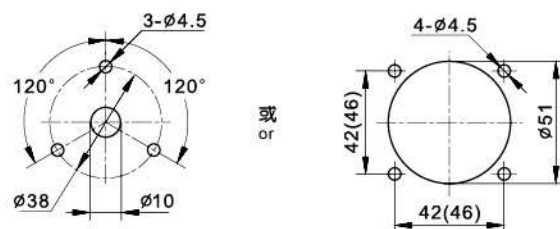
Character code	Position of handle											
A	0° 30°											
B	30° 0° 30°											
C	30° 0° 30° 60°											
D	60° 30° 0° 30° 60°											
E	60° 30° 0° 30° 60° 90°											
F	90° 60° 30° 0° 30° 60° 90°											
G	90° 60° 30° 0° 30° 60° 90° 120°											
H	120° 90° 60° 30° 0° 30° 60° 90° 120°											
I	120° 90° 60° 30° 0° 30° 60° 90° 120° 150°											
J	150° 120° 90° 60° 30° 0° 30° 60° 90° 120° 150°											
K	210° 240° 270° 300° 330° 0° 30° 60° 90° 120° 150° 180°											

Dimensions and installation



$L_{max} = 25 + 12n$, n for number of layers

two installation dimensions, up to user's choice



LWX1 LWX1B LWX2 Series Rotary Switches

Introduction

LWX1、LWX1B、LWX2 are applied to electrical equipment, and various power distribution equipment for remote control as well as for control of instruments, and control of motors.

Technical parameters

Description			LWX1	LWX1B	LWX2
Rated thermal current	I _{th}	A	5	5	5
Rated working voltage	U _e	V	220	220	220
Rated working current	I _e				
AC-15		A	0.5	0.5	0.5
DC-13		A	0.24	0.24	0.24

Mechanical life

Mechanical life without load: 0.1×10^6 times, spring return is 0.05×10^6 times, operation frequency is 120 times/h.

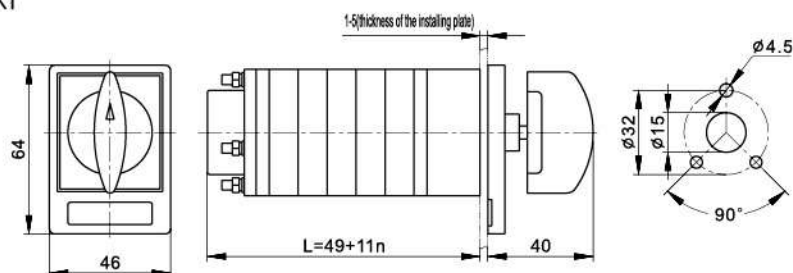
Mechanical life with load:

AC-15, 0.03×10^6 times operation frequency is 120 times/h.

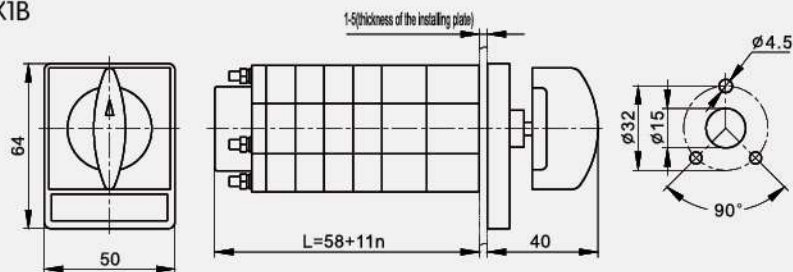
DC-13, 0.01×10^6 times operation frequency is 120 times/h.

Dimensions and installation

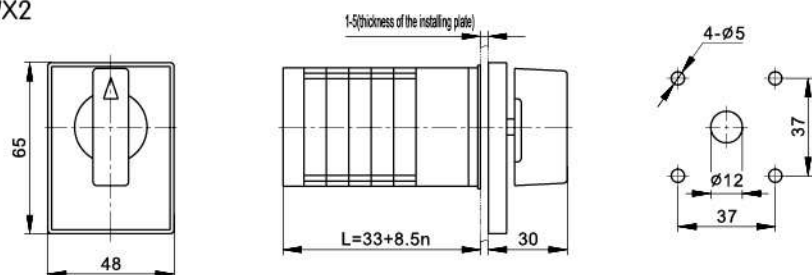
LWX1



LWX1B



LWX2



Re: n for number of layers.

HZ5D Series Combination switches

Introduction

HZ5D mainly is used in the electrical circuit as the power switch, and as a kind of switch for controlling of motor, also for change over of electrical circuits.

Technical parameters

Description			HZ5D-10	HZ5D-20	HZ5D-40
Rated working voltage	Ue	V	440	440	440
Rated thermal current	I _{th}	A	10	20	40
Rated working current	I _e	A	4	8	16
Rated control power	P	kW	1.7	4	7.5

Mechanical life

Mechanical life without load: 0.1×10^6 times, operation frequency is 120 times/h.

Mechanical life with load:

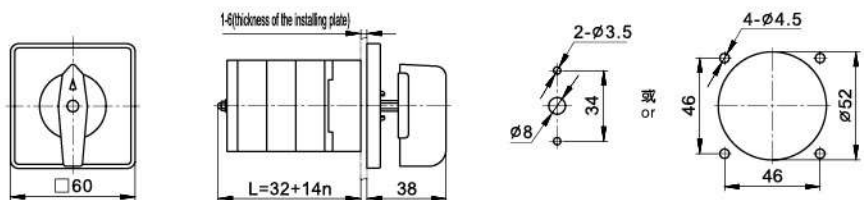
AC-23A, 0.03×10^6 times operation frequency is 120 times/h.

AC-3, 0.03×10^6 times operation frequency is 120 times/h.

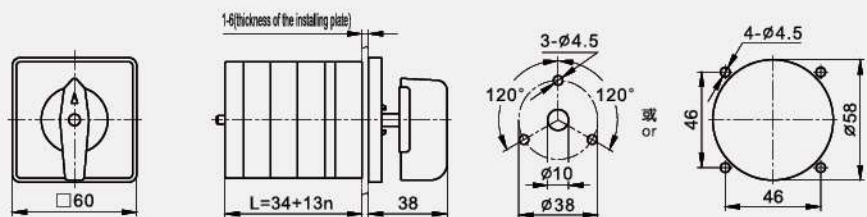
AC-4, 0.03×10^6 times operation frequency is 120 times/h.

Dimensions and installation

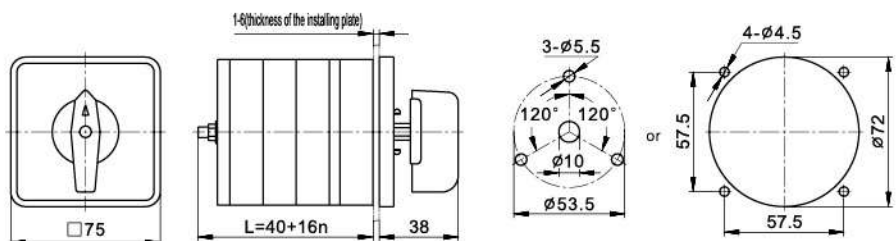
HZ5D-10



HZ5D-20



HZ5D-40



Re: n for number of layers.

HZ5B Series Combination switches

Introduction

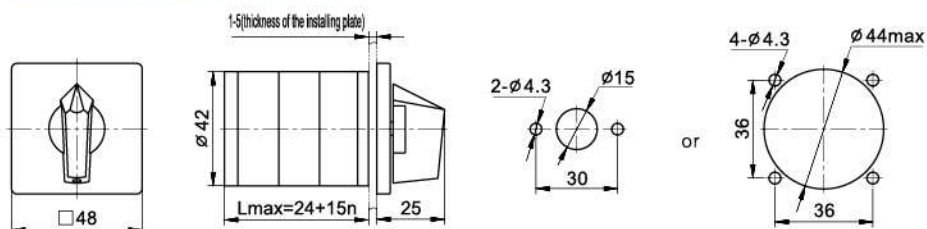
HZ5B is the improved HZ5D, applicable to control of motors.

Technical parameters



Rated thermal current	I_{th}	A	10
Rated working voltage	U_e	V	440
Rated working current	I_e	A	10
Rated control power	P	kW	1.7

Dimensions and installation



HZ5B Series Combination switches

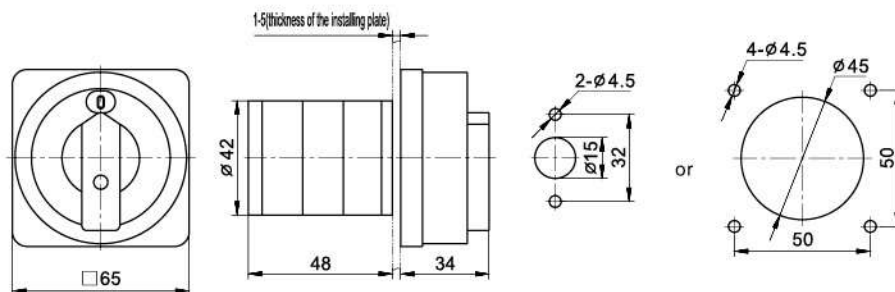
Introduction

HZ5B is the improved HZ5D, applicable to control of motors.



Technical parameters

Rated thermal current	I_{th}	A	10
Rated working voltage	U_e	V	440
Rated working current	I_e	A	10
Rated control power	P	kW	1.7
Operation	AC-22A		
Non-load			8500
Load			1500
Total			10 000



HZ10D Series Combination switches

Introduction

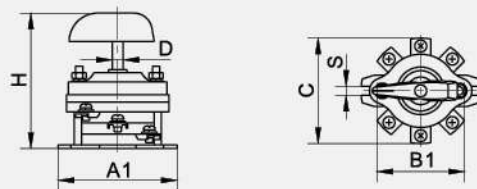
HZ10D mainly is used in the circuit for unfrequent manual closing, breaking resistive and inductive mixed load, also for the control of AC motors.

Technical parameters

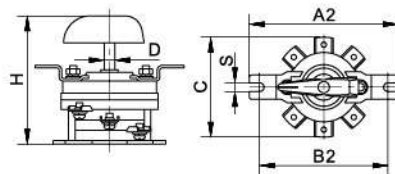
Description		HZ10D-10	HZ10D-16	HZ10D-25	HZ10D-63	HZ10D-100
Rated thermal current	I_{th} A	10	16	25	63	100
Rated working voltage	U_e V	240 440	240 440	240 440	240 440	240 440
Rated working current	I_e					
AC-3	A	3	4.3	6.3		
AC-20A/21A/22A	A	10 10	16 16	25 25	63 63	100 100
DC-20A/21A	A					
Rated control power	P kW	1.1	1.5	2.2		
Operation AC-22A						
Non-load		8500	8500	8500	8500	8500
Load		1500	1500	1500	1500	1500
Total		10000	10000	10000	10000	10000

Dimensions and installation

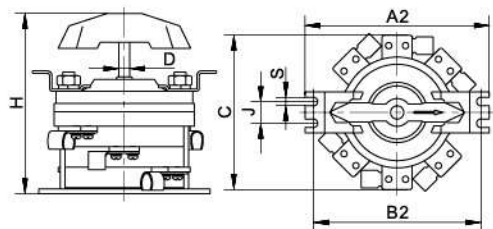
Before board



HZ10D-10、25 Behind board



HZ10D-63、100 Behind board



Description	Dimensions (mm)						Installation (mm)			
	A1	A2	H	D	C		B1	B2	S	J
HZ10D-10/1	65	86	62	Φ6			55	74	5	---
HZ10D-10/2	65	86	68	Φ6			55	74	5	---
HZ10D-10/3	65	86	74	Φ6	~58		55	74	5	---
HZ10D-16/1	65	86	64	Φ6			55	74	5	---
HZ10D-16/2	65	86	62	Φ6			55	74	5	---
HZ10D-16/3	65	86	80	Φ6	~63		55	74	5	---
HZ10D-25/2	100	114	98	Φ8			90	100	6	---
HZ10D-25/3	100	114	108	Φ8	~92		90	100	6	---
HZ10D-63/2	142	153	129	Φ9			128	139	7	18
HZ10D-63/3	142	153	144	Φ9	~154		128	139	7	18
HZ10D-100/3	142	153	152	Φ9	~128		128	139	7	18

HZ12 Series Combination switches

Introduction

The HZ12 series combination switch have basic type, GS pad-lock type, Key lock type, inter lock type, every type has normal and quick stop type, normal type use black plate and black knob, quick stop use the yellow plate and red knob.

Classification, model and code

The basic type is for controlling the normal circuit.

Normal code for basic type:

HZ12-16/01、HZ12-25/01、HZ12-40/01

Normal code for quick stop type:

HZ12-16/02、HZ12-25/02、HZ12-40/02

The product dimension of 25A and 40A is same,
the installation dimension of 16A, 25A and 40A is same.

There is a terminal protection for all type.

The GS type switch applies to machine which requires a pad lock control on the switch.
It enables the user to put a pad lock in breaking (0) position and closing (I) position.

Normal code for quick stop switch:

HZ12-16/04、HZ12-25/04、HX12-40/04

The key lock type switch applies to machine which requires a key control on the switch.
It locks the switch on breaking (0) position.

Normal code for key lock type switch:

HZ12-16/05、HZ12-25/05、HZ12-40/05

The GS inter lock type switch applies to machine which
requires pad lock control and together with a door inter lock

Normal code of GS inter lock switch

HZ12-16/08、HZ12-25/08、HZ12-40/08

The power must be turned off before opening the switch gear
and the inter lock release the switch once the door is opened, and
restore when the door is closed.

The key inter lock type switch is applies to machine which requires
key control and together with a door inter lock.

Normal code for key inter lock type switch:

HZ12-16/09、HZ12-25/09、HZ12-40/09

The power must be turned off before opening the switch gear
and the inter lock release the switch once the door is opened, and
restore when the door is closed.

HZ12-□ /01



HZ12-□ /02



HZ12-□ /03



HZ12-□ /04



HZ12-□ /05



HZ12 Series Combination switches

HZ12-□ /06



HZ12-□ /07



HZ12-□ /08



HZ12-□ /09



HZ12-□ /10



Mechanical life

normal type

quick stop type

GS normal

GS A

GS B

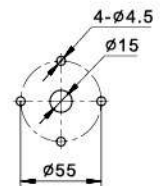
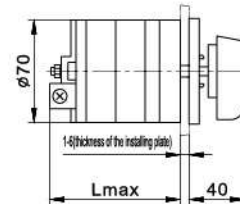
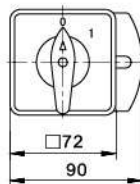


Technical parameters

Description		HZ12-16	HZ12-25	HZ12-40
Rated thermal current	I _{th} A	16	25	40
Rated working voltage	U _e V	240 440	240 440	240 440
Rated working current	I _e			
AC-3	A	11	15	30
AC-15	A	8 6	12 8	22 12
AC-23	A	11	15	30
AC-21		16	25	40

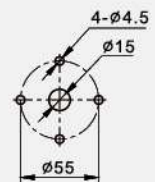
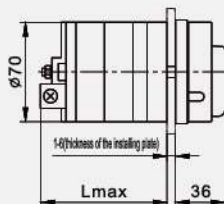
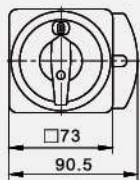
Dimensions and installation

HZ12-□ /01、HZ12-□ /02



Description	Lmax (mm)
HZ12-16	86
HZ12-25	89
HZ12-40	89

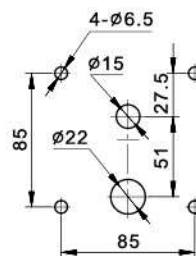
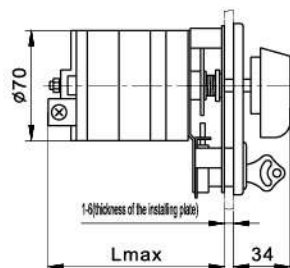
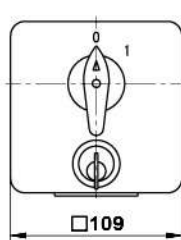
HZ12-□ /03、HZ12-□ /04



Description	Lmax (mm)
HZ12-16	86
HZ12-25	89
HZ12-40	89

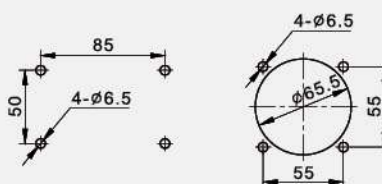
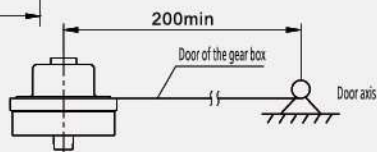
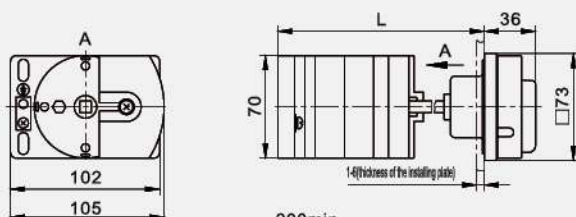
HZ12 Series Combination switches

HZ12- □ /05、HZ12- □ /06



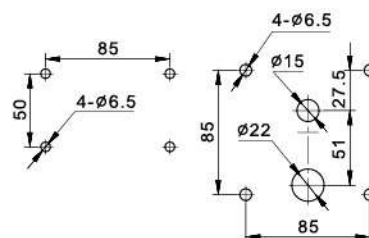
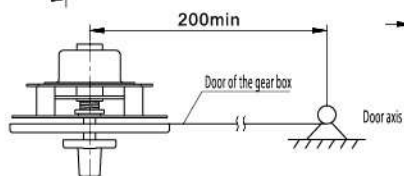
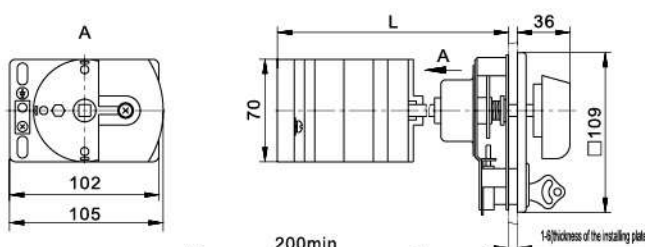
Description	Lmax (mm)
HZ12-16	107
HZ12-25	110
HZ12-40	110

HZ12- □ /07.1~5、HZ12- □ /08.1~5



Description	Lmax (mm)
HZ12- □ /07.1 HZ12- □ /08.1	145~149
HZ12- □ /07.2 HZ12- □ /08.2	170~174
HZ12- □ /07.3 HZ12- □ /08.3	195~199
HZ12- □ /07.4 HZ12- □ /08.4	220~224
HZ12- □ /07.5 HZ12- □ /08.5	245~249

HZ12- □ /09.1~5、HZ12- □ /10.1~5



Description	Lmax (mm)
HZ12- □ /09.1 HZ12- □ /10.1	168~171
HZ12- □ /09.2 HZ12- □ /10.2	193~196
HZ12- □ /09.3 HZ12- □ /10.3	218~221
HZ12- □ /09.4 HZ12- □ /10.4	243~246
HZ12- □ /09.5 HZ12- □ /10.5	268~271

HZ25D Series Combination switches

Introduction

HZ25D mainly is used in the electrical circuit for the power switch and control of motor, also for change over of electrical circuits.



Technical parameters

Description		HZ25D-10	HZ25D-20	HZ25D-40
Rated working voltage	Ue V	440	440	440
Rated thermal current	I _{th} A	10	20	40
Rated working current	I _e A	4	8	16
Rated control power	P kW	1.7	4	7.5



Mechanical life

Mechanical life without load: 0.1×10^6 times, operation frequency is 120 times/h.

Mechanical life with load:

AC-23A, 0.03×10^6 times operation frequency is 120 times/h.

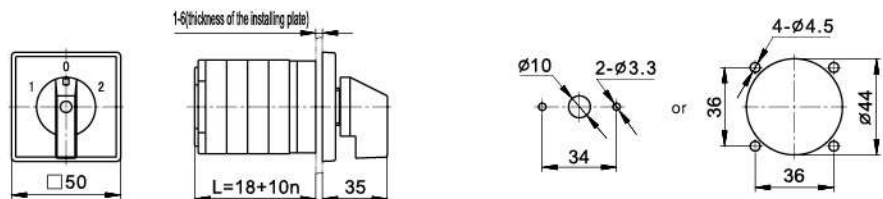
AC-3, 0.03×10^6 times operation frequency is 120 times/h.

AC-4, 0.03×10^6 times operation frequency is 120 times/h.

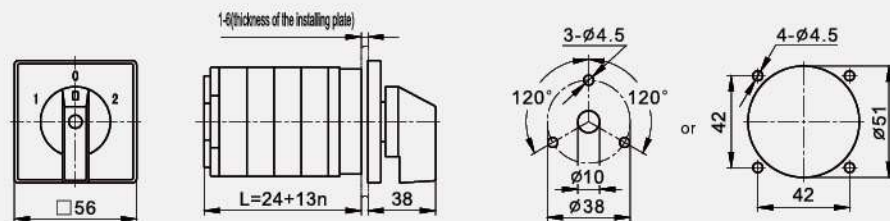


Dimensions and installation

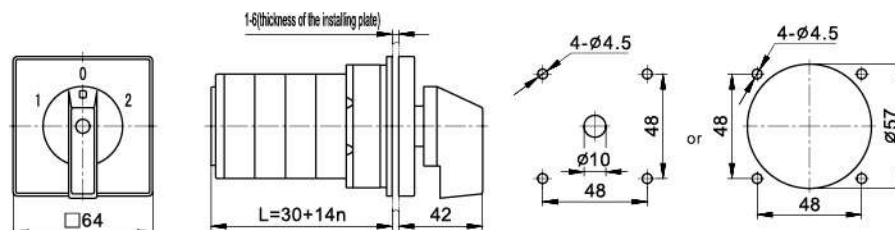
HZ25D-10



HZ25D-20



HZ25D-40



Re: n for number of layers.