

SWITCH

LW26

Series Rotary Switches



Application

The LW26 series rotary switch mainly applies to 440V and below, AC 50Hz or 240V and below DC circuits. For breaking, closing and change-over of circuit 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 switch complies with the IEC60947-3, IEC60947-5-1.

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

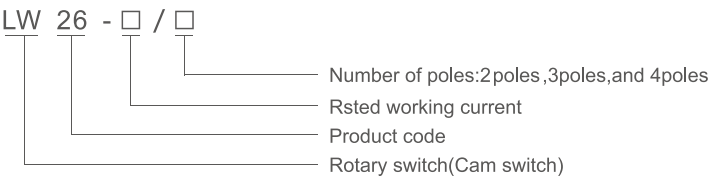
The LW26 series rotary switch were designed for multiple functions and wide variety of applications, The LW26-10, LW26-20, LW26-25 and LW26-32F have finger protection terminals.

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, 35A and 63A.

Model No.



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

Working conditions

- (1) Ambient temperature can't exceed 40°C and the average temperature, measured over a period of 24 hours, do not exceed 35°C
- (2) Ambient temperature should not be below -5°C
- (3) Should not be installed over 2000m above sea level
- (4) The humidity should not exceed 50 when the ambient temperature is over 40°C, and higher humidity is allowed at lower temperature.

Installation conditions

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

Diagram for the operation and position of handle

Operation angle	Charac- ter code	Position of handle																					
		30°Rotation								45°Rotation				60°Rotation				90°Rotation					
Spring return	A				0°↔30°							0°↔45°											
	B				30°↔0°↔30°							45°↔0°↔45°											
Limited movement	C				0° 30°							0° 45°						0° 60°		0° 90°			
	D				30° 0° 30°							45° 0° 45°				60° 0° 60°		90° 0° 90°					
	E				30° 0° 30° 60°							45° 0° 45° 90°				90° 30° 30° 90°		90° 0° 90° 180°					
	F				60° 30° 0° 30° 60°							90° 45° 0° 45° 90°				90° 30° 30° 90° 150°							
	G				60° 30° 0° 30° 60° 90°							90° 45° 0° 45° 90° 135°	150° 90° 30° 30° 90° 150°										
	H				90° 60° 30° 0° 30° 60° 90°							135° 90° 45° 0° 45° 90° 135°											
	I				90° 60° 30° 0° 30° 60° 90° 120°							135° 90° 45° 0° 45° 90° 135° 180°											
	J		120° 90° 60° 30° 0° 30° 60° 90° 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															30° 30°							
	P																		90° 0°				
Limited movement with spring return					30°↔0° 60°							90° 0°↔45°					60°↔0°↔60°						
					60°↔30°↔0°↔30°↔60°							135°↔90° 0°↔45°					90°↔60° 0° 60°↔90°						
	Z				30°↔0°					90°↔120°					45°↔0°↔45°					120°↔60° 0° 60°↔120°			

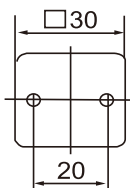
Escutcheon plate and handle

Description	Escutcheon plate						Type of handle								Rotating angle				Maximum Number of layers		
	M0	M1	M1B	M2	M2B	M3	R	F	I	B	H	L	P	K	30°	45°	60°	90°	12	10	8
LW26-10	●								●						●	●	●	●		●	
LW26X-10	●								●						●	●	●	●			●
LW26-20		●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●		
LW26X-20		●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●			●
LW26-25		●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●			●
LW26-25				●	●		●	●	●		●	●	●	●	●	●	●	●	●		
LW26-32				●	●		●	●	●		●	●	●	●	●	●	●	●			●
LW26-63				●	●		●	●	●		●	●	●	●	●	●	●	●			●
LW26-125					●		●						●	●	●		●	●			●
LW26-160					●		●						●	●	●		●	●			●

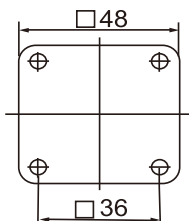
Re:M1B,M2B Plate should be installed by self tapping screw.

UNIVERSAL CHANGEOVER SWITCH

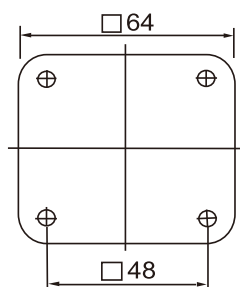
M0



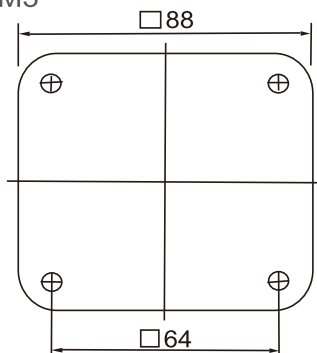
M1



M2



M3



Type of handle	Color	Escutcheon plate M0M1M2M3
R type 	Black	● ● ●
	Red	● ● ●
	White	● ● ●
	Gray	● ● ●
F type 	Black	● ●
	Red	● ●
	White	● ●
	Gray	● ●
H type 	Black	●
	Red	●
	White	●
	Gray	●
P type 	Black	● ●
	Red	● ●
	White	● ●
	Gray	● ●

Type of handle	Color	Escutcheon plate M0M1M2M3
I type 	Black	● ● ●
	Red	● ● ●
	White	● ● ●
	Gray	● ● ●
	Yellow	●
B type 	Black	● ●
	Red	● ●
	White	● ●
	Gray	● ●
L type 	Black	●
	Red	●
	White	●
	Gray	●
K type 	Black	● ●
	Red	● ●
	White	● ●
	Gray	● ●

Main technical parameter

Description		LW26-10		LW26-20		LW26-25		LW26-32		LW26-63		LW26-125		LW26-160	
Rated thermal current I _{th}	A	10		20		25		32				125		160	
Rated working voltage U _e	V	240	440	240	440	240	440	240	440	240	440	240	440	240	440
Rated working current I _e															
AC-21A AC-22A	A	10	10	20	20	25	25	32	32	63	63	100	100	100	100
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	35	3.5	6.5	6.5	11	11	15	15	30	30	55	55

Description		LW26-10		LW26-20		LW26-25		LW26-32		LW26-63		LW26-125		LW26-160	
AC-15	A	2.5	1.5	5	4	8	5	14	6						
Power															
AC-23A	KW	1.8	3	3.7/2.5	7.5/3.7	5.5/3	11/5.5	7.5/4	15/7.5	15/10	30/18.5	30/15	45/22	37/22	75/37
AC-2	KW	2.5	3.7	4	7.5	5.5	11	7.5	15	18.5	30	30	45	37	55
AC-3	KW	1.5	2.2	3/2.2	5.5/3	4/3	7.5/3.7	5.5/4	11/5.5	11/6	18.5/11	15/7.5	30/13	22/11	37/18.5
AC-4	KW	0.37	0.55	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	1/4	15/7.5

Re1:Neutral

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

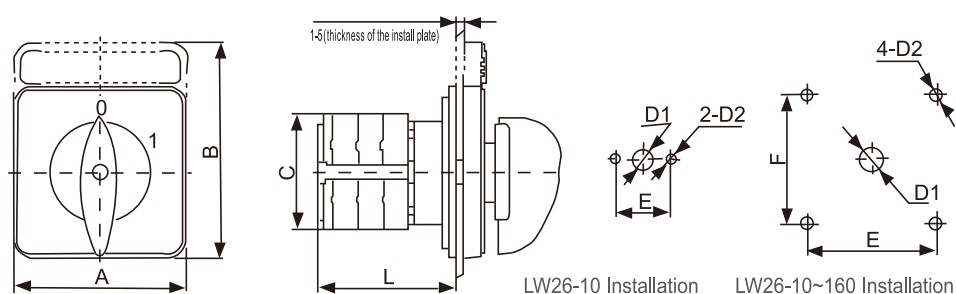
Mechanical life

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.

Dimensions and installation

Square escutcheon plate and rectangular escutcheon plate



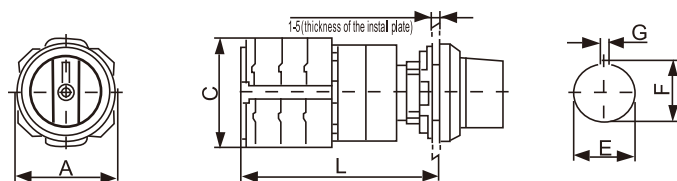
Description	Escutcheon plate	Dimensions(mm)				Installation(mm)			
		A	B	C	L	E	F	D1	D2
LW26-10	M0 square	30	30	28	22+8n	20		Φ8	Φ3.2
LW26X-10	M0 square	30	30	28	26.5+12n	20		Φ8	Φ3.2
LW26-20	M1 square	48	48	43	22+9.6n	36	36	Φ8.5	Φ4.5
	M1 rectangular	48	60	43	22+9.6n	36	36	Φ8.5	Φ4.5
	M2 square	64	64	43	25+9.6n	48	48	Φ10	Φ4.5
	M2 rectangular	64	80	43	25+9.6n	48	48	Φ10	Φ4.5
LW26X-20	M1 square	48	48	46	22+14n	36	36	Φ8.5	Φ4.5
	M1 rectangular	48	60	46	25+14n	36	36	Φ8.5	Φ4.5
	M2 square	64	64	46	25+14n	48	48	Φ10	Φ4.5
	M2 rectangular	64	80	46	25+14n	48	48	Φ10	Φ4.5
LW26-25	M1 square	48	48	45.2	23+12.8n	36	36	Φ8.5	Φ4.5
	M1 rectangular	48	60	45.2	23+12.8n	36	36	Φ8.5	Φ4.5
	M2 square	64	64	45.2	26.5+12.8n	48	48	Φ10	Φ4.5
	M2 rectangular	64	80	45.2	26.5+12.8n	48	48	Φ10	Φ4.5
LW26-32	M2 square	64	64	58	28.2+12.8n	48	48	Φ10	Φ4.5
	M2 rectangular	64	80	58	29.2+12.8n	48	48	Φ10	Φ4.5
LW26-32F	M1 square	48	48	48	23+14n	36	36	Φ8.5	Φ4.5
	M1 rectangular	48	60	48	23+14n	36	36	Φ8.5	Φ4.5
	M2 square	64	64	48	24.5+14n	48	48	Φ10	Φ4.5
	M2 rectangular	64	80	48	24.5+14n	48	48	Φ10	Φ4.5

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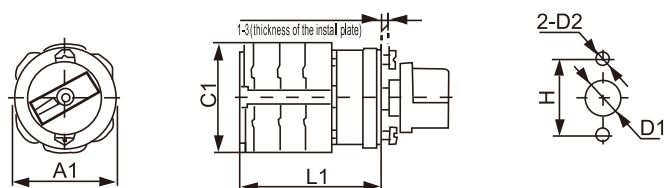
Description	Escutcheon plate	Dimensions(mm)				Installation(mm)			
		A	B	C	L	E	F	D1	D2
LW26-63	M2 square	64	64	66	29·2+21.5n	48	48	Φ10	Φ4.5
	M2 rectangular	64	80	66	29·2+21.5n	48	48	Φ10	Φ4.5
	M3 square	88	88	66	29·2+21.5n	68	68	Φ13	Φ4.5
	M3 rectangular	88	107	66	29·2+21.5n	68	68	Φ13	Φ4.5
LW26-125	M3 square	88	88	84	35+26.5n	68	68	Φ13	Φ6
	M3 rectangular	88	107	84	35+26.5n	68	68	Φ13	Φ6
LW26-160	M3 square	88	88	88	35+32.5n	68	68	Φ13	Φ6
	M3 rectangular	88	107	88		68	68	Φ13	Φ6

Re:n for number of layers.

Single hole installation



Double hole installation



Description	Dimensions(mm)						Installation(mm)					
	A	C	L	A1	C1	L1	E	F	G	H	D1	D2
LW26-10	Φ29	28	35+8n				Φ16.2	18	1.9			
LW26x-10	Φ29	28	39+12n				Φ16.2	18	1.9			
LW26-20	Φ39	43	35+9.6n				Φ30.5	33	4.8			
LW26-20	Φ39	43	42+9.6n	Φ39	43	24+9.6n	Φ22.3	24.1	3.2	30	Φ15	Φ5
LW26x-20	Φ39	46	42+14n	Φ39	46	25+14n	Φ22.3	24.1	3.2	30	Φ15	Φ5
LW26-25	Φ39	45.2	42+12.8n	Φ39	45.2	25+12.8n	Φ22.3	24.1	3.2	30	Φ15	Φ5
LW26-32F	Φ39	48	42+14n	Φ39	48	25+14n	Φ22.3	24.1	3.2	30	Φ15	Φ5