LW26-10

LW26-20

LW26-32

LW26-63

LW26-160

LW26 Series Rotary Switches

◆ Introduction

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

The series comply the GB 1404803, 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 were designed for multiple functions, have wide variety of applications.

The LW26-10, LW26-20, LW26-25, and LW26-32F have finger prove 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,

Working conditions

(1) Ambient temperature Do Not exceed 40℃, and the average temperature, measured over a period of 24 hours, Do Not exceed 35℃.

(2) Ambient temperature Do Not less than -5℃.

(3) Should Not be installed above 2000m above sea level.

(4) A clean environment was required.

LW26X-10

LW26-25

LW26-32

LW26-63

LW26-125

◆ Designation

Use as control switches

LW 26 -□ □ □ □/□

- Number of layers
- Code for contact of the switch
- Character code
- Code of the degree of rotation
- Rated thermal current
- Product code
- Rotary switch (Cam switch)

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

Use as motor switch

LW 26 - □ / □ □ · □

- Number of layers
- Usage Code
  - (1)Q for start and run
  - (2)N for reversing
  - (3)S for 2 speed
  - (4)SN for 2 speed and reversing
  - (5)M16 for 3 speed and reversing
- Motor Rating (3 phase AC)
- Rated thermal current
- Product code
- Rotary switch (Cam switch)

Re: switches in this category normally rotate at 60° . And the SN normally rotate at 45° .

Use as control switch for a main circuit

LW 26 - □ / □

- Number poles: 2 poles, 3poles, and 4poles
- Rated thermal current
- Product code
- Rotary switch (Cam switch)

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

◆ 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;

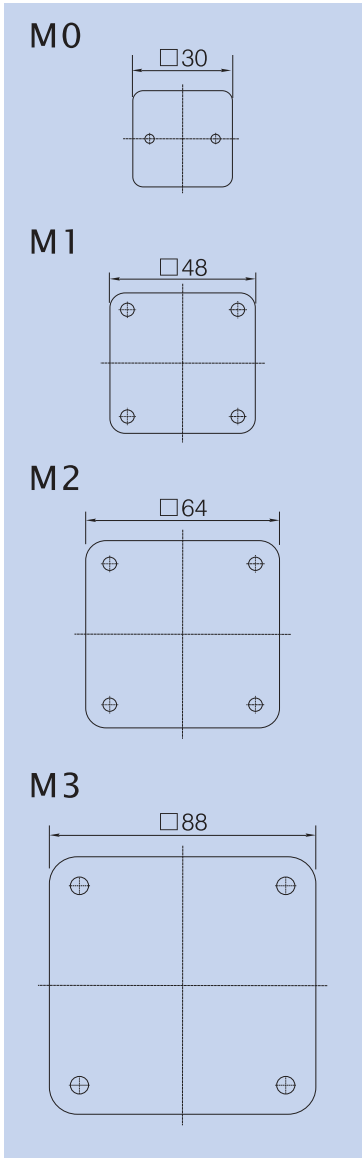
(3)Motor switches could have 6 layers in maximum.

4 Diagram for the operation and position of handle

Operation angle	Character code	Position of handle																													
		30° Rotation												45° Rotation								60° Rotation						90° Rotation			
Sping 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	Z					30°	0°	60°								90°	0°	45°					60°	0°	60°						
					60°	30°	0°	30°	60°						135°	90°	0°	45°				90°	60°	0°	60°	90°					
						30°	0°			90°	120°					45°	0°	45°				120°	60°	0°	60°	120°					

◆ Escutcheon plate and Handle

Escutcheon plate



Type of handle

Type of handle	Color	Escutcheon plate M0	M1	M2	M3
R 	Black	●	●	●	●
	Red	○	○	○	○
	White	○	○	○	○
	Gray	○	○	○	○
F 	Black	●	●		
	Red	○	○		
	White	○	○		
	Gray	○	○		
H 	Black		●		
	Red		○		
	White		○		
	Gray		○		
P 	Black		●	●	
	Red		○	○	
	White		○	○	
	Gray		○	○	

Type of handle	Color	Escutcheon plate M0	M1	M2	M3
I 	Black	●	●	●	
	Red	○	○	○	
	White	○	○	○	
	Gray	○	○	○	
B 	Black		●		
	Red		○		
	White		○		
	Gray		○		
L 	Black			●	
	Red			○	
	White			○	
	Gray			○	
K 	Black			●	●
	Red			○	○
	White			○	○
	Gray			○	○

Re: ● Standard, ○ Optional.

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

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

◆ Technical parameters

Description		LW26-10		LW26-20		LW26-25		LW26-32		LW26-63		LW26-125		LW26-160	
Rated thermal current Ith	A	10		20		25		32		63		125		160	
Rated working voltage Ue	V	240	440	240	440	240	440	240	440	240	440	240	440	240	440
Rated working current Ie															
AC-21A AC-22A	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	1.5	5	4	8	5	14	6						
Power P															
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	10/4	15/7.5

Re: Neutral;

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

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 you place 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 have 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 order and 20A, rotary angle 60°,character code C, contact diagram code 5391, M1 plate, black R handle switch 20 units.

The order can be:

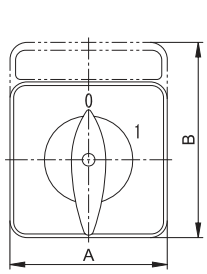
LW26-20・6C5391/2 A11R (M1 R) 20units.

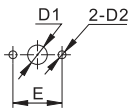
Due to the update of the technologies, we reserve the right of update the catalog the without further notices.

◆ Dimensions

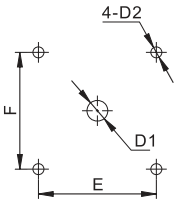
Dimensions and installation

Square escutcheon plate and rectangular escutcheon plate





LW26-10 Installation

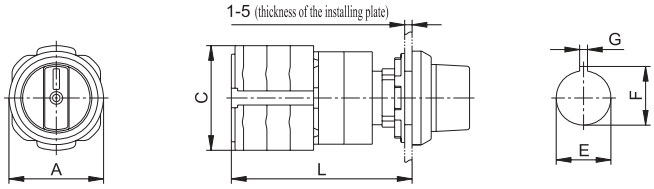


LW26-20~160 Installation

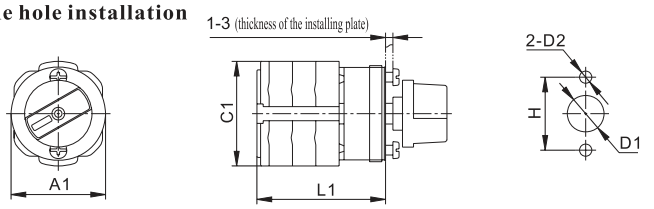
Description	Escutcheon plate	Dimensions (mm)				Installation (mm)			
		A	B	C	L	E	F	D1	D2
LW26-10	M0 square	30	30	28	22+8n	20		f8	f3.2
LW26X-10	M0 square	30	30	28	26.5+12n	20		f8	f3.2
LW26-20	M1 square	48	48	43	22+9.6n	36	36	f8.5	f4.5
	M1 rectangular	48	60	43	22+9.6n	36	36	f8.5	f4.5
	M2 square	64	64	43	25+9.6n	48	48	f10	f4.5
	M2 rectangular	64	80	43	25+9.6n	48	48	f10	f4.5
LW26X-20	M1 square	48	48	46	22+14n	36	36	f8.5	f4.5
	M1 rectangular	48	60	46	22+14n	36	36	f8.5	f4.5
	M2 square	64	64	46	25+14n	48	48	f10	f4.5
	M2 rectangular	64	80	46	25+14n	48	48	f10	f4.5
LW26-25	M1 square	48	48	45.2	23+12.8n	36	36	f8.5	f4.5
	M1 rectangular	48	60	45.2	23+12.8n	36	36	f8.5	f4.5
	M2 square	64	64	45.2	26.5+12.8n	48	48	f10	f4.5
	M2 rectangular	64	80	45.2	26.5+12.8n	48	48	f10	f4.5
LW26-32	M2 square	64	64	58	29.2+12.8n	48	48	f10	f4.5
	M2 rectangular	64	80	58	29.2+12.8n	48	48	f10	f4.5
LW26-32F	M1 square	48	48	48	23+14n	36	36	f8.5	f4.5
	M1 rectangular	48	60	48	23+14n	36	36	f8.5	f4.5
	M2 square	64	64	48	24.5+14n	48	48	f10	f4.5
	M2 rectangular	64	80	48	24.5+14n	48	48	f10	f4.5
LW26-63	M2 square	64	64	66	29.2+21.5n	48	48	f10	f4.5
	M2 rectangular	64	80	66	29.2+21.5n	48	48	f10	f4.5
	M3 square	88	88	66	29.2+21.5n	68	68	f10	f4.5
	M3 rectangular	88	107	66	29.2+21.5n	68	68	f10	f4.5
LW26-125	M3 square	88	88	84	35+26.5n	68	68	f13	f6
	M3 rectangular	88	107	84	35+26.5n	68	68	f13	f6
LW26-160	M3 square	88	88	88	35+32.5n	68	68	f13	f6
	M3 rectangular	88	107	88	35+32.5n	68	68	f13	f6

Re: n for number of layers.

Single hole installation

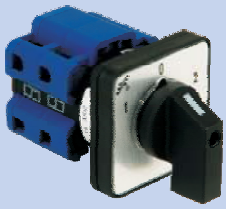
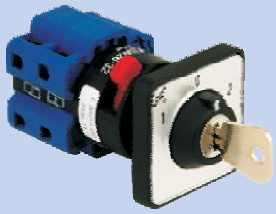
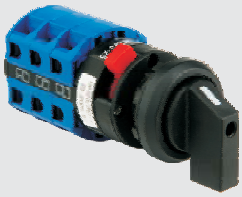
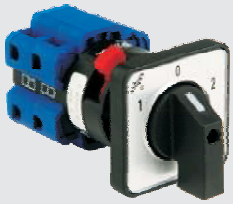
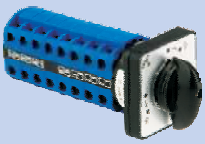


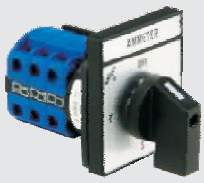
Double hole installation



Description	Dimensions (mm)						Installation (mm)					
	A	C	L	A1	C1	L1	E	F	G	H	D1	D2
LW26-10	f29	28	35+8n				f16.2	18	1.9			
LW26X-10	f29	28	39+12n				f16.2	18	1.9			
LW26-20	f39	43	35+9.6n				f30.5	33	4.8			
LW26-20	f39	43	42+9.6n	f39	43	24+9.6n	f22.3	24.1	3.2	30	f15	f5
LW26X-20	f39	46	42+14n	f39	46	25+14n	f22.3	24.1	3.2	30	f15	f5
LW26-25	f39	45.2	42+12.8n	f39	45.2	25+12.8n	f22.3	24.1	3.2	30	f15	f5
LW26-32F	f39	48	42+14n	f39	48	25+14n	f22.3	24.1	3.2	30	f15	f5

◆ Special type and optional extras

Type	Description
LW26X-10 LW26X-20	**LW26-10** **Product with angled teominals**  LW26-10 □• A10I  LW26X-10 □• A10I  LW26X-20 □• A31I
LW26-32F	**32A Fringer prove**  LW26-32F □• A11I  LW26-32F □• C55I  LW26-32F □• C51S1
LW26-10 LW26X-10 LW26-20 LW26X-20 LW26-25 LW26-32F	**Single hole installation**  LW26X-10 □• C10I  LW26-25 □• C55I  LW26-20 □• C11B  LW26-32F □• C11I
LW26-20 LW26X-20 LW26-25 LW26-32F	**Double hole installation**  LW26-25 □• G88B **Parallel installation**  LW26-20 □• D11R
	Spring return with limited movement  LW26-20 □• A11R **Spring return with multipal position**  LW26-20 □• A11R **Put out type**  LW26-20 □• A32P1

Type	Description
LW26-20 LW26X-20 LW26-25	**Single lock**  LW26-25 ☐• A11DS **B Type handle**  LW26-25 ☐• C55B  LW26-20 ☐• C55B
LW26-20 LW26X-20 LW26-25 LW26-32F	**Indicating light**  LW26-20 ☐• A66I **Indicating light with keylock**  LW26-25 ☐• A66S1
LW26-20 LW26-25 LW26-32 LW26-63	**Rectangle plate**  LW26-20 ☐• A21R  LW26-20 ☐• A41I  LW26-32 ☐• A22R  LW26-63 ☐• A42I
	Protective box  LW26-20 ☐• E31I  LW26-20 ☐• E31GS  LW26-20 ☐• E11S1  LW26-20 ☐• E11DS  LW26-32 ☐• E12R
LW26-20 LW26-25 LW26-32 LW26-63 LW26-125 LW26-160	**Rear installation**  LW26-25 ☐• B11R **Specital type for DC circuits** Re:For LW26-25 only.  LW26-25 ☐• A11R2 **Protective cover** Re:For LW26-20、25、32F only.  LW26-20 ☐• F11R

LW26GS-25/04

LW26GS-32/04

LW26GS-63/04

LW26GS-125/04

LW26GS Series Pak-lock type switches

◆ Introduction

LW26GS series Pad-lock type switches are derivatives of LW26 series rotary switches. Installed in equipment where it requires a pad-lock to lock the switch in certain position. For instance, to fix the switch in ON position, to avoid 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.For 20A and 25A is able to install M1 or M2 plate, and for 32A and 63A is able to install M2 or M3 plate, for 125A and 160A is able to install M3 plate.The M1 plate is able to put 2 lockers, M2 and M3 is able to put 3 lockers.

(2)the LW 26GS switch has two types:

Normal type, black plate black handle

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

Technical parameters

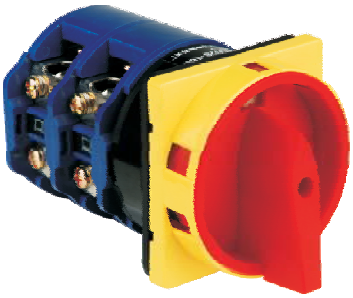
Description		LW26GS-20	LWGS26-25	LWGS26-32	LWGS26-63	LWGS26-125	LWGS26-160
Rated working voltage Ue	V	440	440	440	440	440	440
Rated thermal current Ith	A	20	25	32	63	125	160
Rated working current Ie							
AC-21A	A	20	25	32	63	100	150
AC-22A	A	20	25	32	63	100	150
AC-23A	A	15	22	30	57	90	135
Power P							
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

LW26GS-20/04-1 M1

LW26GS-20/04-2 M2

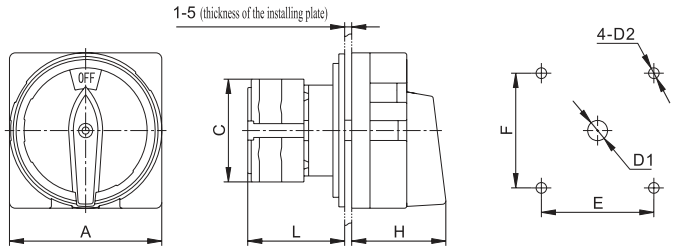
LW26GS-63/04-2 M3

LW26GS-160/04



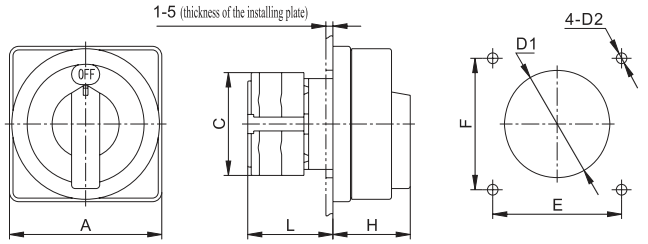
Dimension and installation

LW26GS-□/□-1



Deiscription	Escutcheon plate	Dimensions (mm)				Installation (mm)			
		A	C	L	H	E	F	D1	D2
LW26GS-20	M1	□48	43	42	33	36	36	f8.5	f4.5
LW26GS-20	M2	□64	43	43	42	48	48	f8.5	f4.5
LW26GS-25	M1	□48	45.2	50	33	36	36	f8.5	f4.5
LW26GS-25	M2	□64	45.2	51	42	48	48	f8.5	f4.5
LW26GS-32	M2	□64	58	55	42	48	48	f10	f4.5
LW26GS-32	M3	□88	58	55	52	68	68	f13	f6
LW26GS-63	M2	□64	66	72.5	42	48	48	f10	f4.5
LW26GS-63	M3	□88	66	72.5	52	68	68	f13	f6
LW26GS-125	M3	□88	84	88	52	68	68	f13	f6
LW26GS-160	M3	□88	88	100	52	68	68	f13	f6

LW26GS-□/□-2



Deiscription	Dimensions (mm)				Installation (mm)			
	A	C	L	H	E	F	D1	D2
LW26GS-20	□64	43	37.5	34	55	55	f45	f4.5
LW26GS-25	□64	45.2	45	34	55	55	f47	f4.5

LW26S Key-lock type switch

◆ 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 mis-operation of the equipments from the unthorised personnel.

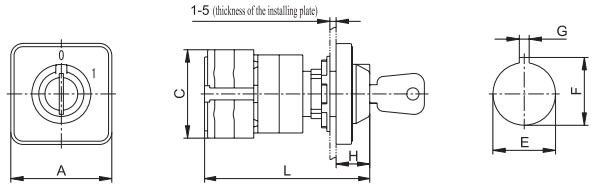
LW26S Key-lock type switches comply with the GB 14048.3 and IEC 60947-3.

Technical parameter

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
Power P						
AC-23A	kW	3	7.5	11	15	30

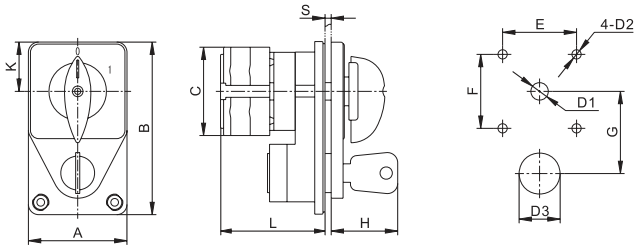
Dimensions and installation

LW26S S1 Type switch



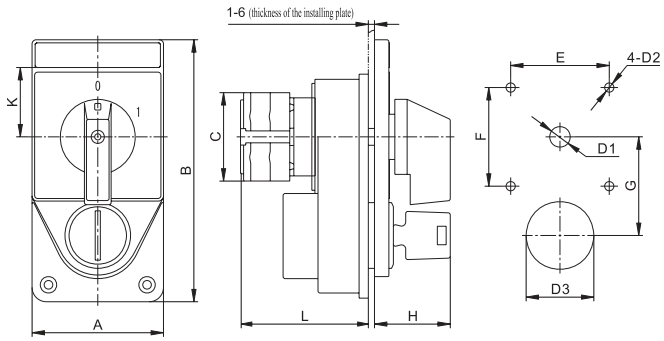
Description	Dimension (mm)				Installation (mm)		
	A	C	H	L	E	F	G
LW26S-10	□30	28	8.5	71.5	f16.2	18	1.9
LW26S-20	□48	43	15.6	76.5	f22.3	24.1	3.2
LW26S-20	□64	43	15.6	76.5	f22.3	24.1	3.2
LW26S-25	□48	45.2	15.6	83	f22.3	24.1	3.2
LW26S-25	□64	45.2	15.6	83	f22.3	24.1	3.2
LW26S-32F	□48	48	15.6	86.5	f22.3	24.1	3.2
LW26S-32F	□64	48	15.6	86.5	f22.3	24.1	3.2

LW26S S2 Type switch



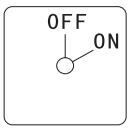
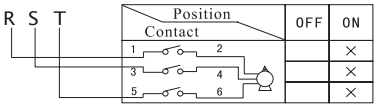
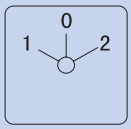
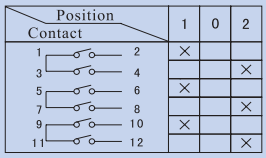
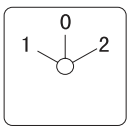
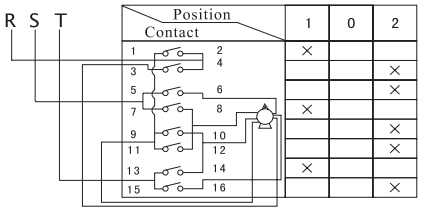
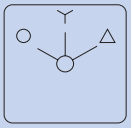
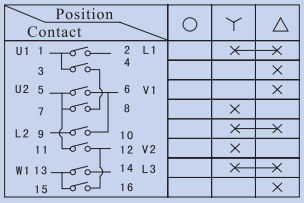
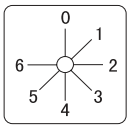
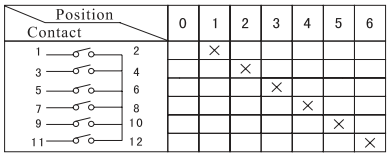
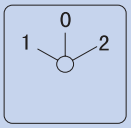
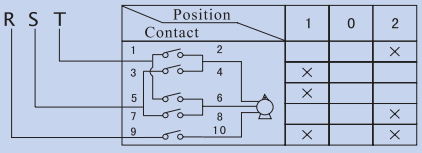
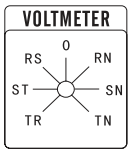
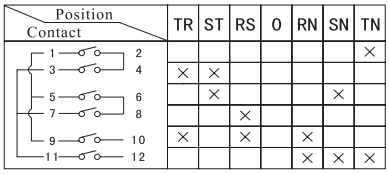
Description	Dimension (mm)							Installation (mm)					
	A	B	K	C	L	H	S	E	F	G	D1	D2	D3
LW26S-20	48	84	24	43	51.5	32.5	1~4	36	36	40	f8.5	f4.5	f20
LW26S-25	48	84	24	45.2	58	32.5	1~4	36	36	40	f8.5	f4.5	f20
LW26S-32	64	112	32	58	72	34	1~6	48	48	48	f10	f4.5	f34
LW26S-32F	48	84	24	48	61.5	32.5	1~4	36	36	40	f8.5	f4.5	f20
LW26S-63	64	112	32	66	79	34	1~6	48	48	48	f10	f4.5	f34

LW26S S3 Type switch



Description	Dimension (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	48	f10	f4.5	f34
LW26S-25	64	126.5	32	45.2	58	34	48	48	48	f10	f4.5	f34
LW26S-32	64	126.5	32	58	72	34	48	48	48	f10	f4.5	f34
LW26S-32F	64	126.5	32	48	61.5	34	48	48	48	f10	f4.5	f34
LW26S-63	64	126.5	32	66	79	34	48	48	48	f10	f4.5	f34

◆ Selection of typical contact diagrams

Function	Usage code or character code	Marks of plate	Contact diagrams
Start and run of motor	Q		
	D60306		
Two speed motor start and runof motor	S		
	D60411		
7 position with 0 position	H5881/3		
Start and run and reversing of motor	N		
3 phase Voltmeter with 0 position	YH5/3		
Three phase Ammeter with 0 position	LH3/3