

Stock code: 301388

PRODUCT CATALOGUE

PROFESSIONAL MANUFACTURER OF INDUSTRIAL CONTROL COMPONENTS

Edition:2024.01A



www.c-lin.cn

C-Lin | 欣灵电气

SWITCH

SERIES

○ Micro switch series

B02



C-Lin

Stock code: 301388

欣灵电气

LXW-5 Micro switch series

Scope of application

The LXW-5 series micro switch is widely used in food machinery, automatic packaging machines, machine tools, conveying machinery, automatic production line control, and light industrial machinery with strict protection requirements.

This series of micro switch complies with GB/T14048.5 and IEC 60947-5-1 standards.

Model description

LXW	-	5	□
Enterprise code Micro switch	Design number	Types of actuators	
		11D: Spring button type 11G2: Pivot roller short handle type 11N1: Pivot handle button type 11Q1: Panel-mounted roller buckle type 11Z: Pin button type 15C: Spring thin button type 15S: Roller reed type	11G1: Pivot roller handle type 11M: Panel-mounted button type 11N2: Micro pivot handle type 11Q2: Panel-mounted roller button type 15B: Unidirectional pivot roller short handle type 15R: Micro pivot cable handle type 15X: Reed type

Main parameter and technical performance

Operation speed	0.01mm~1m/s
Working frequency	Mechanical: 240 times/min Electrical: 20 times/min
Contact resistance	15mΩ or less (initial value)
Insulation resistance	100MΩ or above(≤ DC500V)
Agreed heating current	15A
Electrical parameter	AC380V, AC220V/1.5A DC220V/0.3A
Withstand voltage	1890V, 50/60Hz 1min between non-connected terminals 2500V, 50/60Hz 1min between terminal and non-charged metal 2500V, 50/60Hz, 1min between terminal and ground
Vibration	Misoperation durability: 10Hz~55Hz, 1.5mm dual amplitude
Shock	Mechanical durability: 1000m/S ² , misoperation durability: 300m/S ²
Usage environment	Temperature: -10°C ~+80°C (non-freezing) Humidity: 35-95% RH
Mechanical life	≥ 10 million times
Electrical life	Contact spacing G and H: ≥ 500000 times; contact spacing E: ≥ 100000 times

Operation characteristics

Model	Operation force (OF) max	Operation travel (PT) max	Overtravel (OT) min	Operation position
LXW-511D	3.4N(0.35kgf)	0.4mm	1.6mm	21.5±0.5mm
LXW-511G1	1N(0.1kgf)	7.1mm	4mm	30.2±0.8mm
LXW-511G2	1.6N(0.16kgf)	2.7mm	2.4mm	30.2±0.4mm
LXW-511M	3.4N(0.35kgf)	0.4mm	5.6mm	21.8±0.8mm
LXW-511N1	0.7N(0.07kgf)	10mm	5.6mm	19±0.8mm
LXW-511N2	1.6N(0.16kgf)	5mm	2mm	19±0.4mm
LXW-511Q1	3.4N(0.35kgf)	0.4mm	3.58mm	33.4±1.2mm
LXW-511Q2	3.4N(0.35kgf)	0.4mm	3.58mm	33.4±1.2mm
LXW-511Z	3.4N(0.35kgf)	0.4mm	0.13mm	15.9±0.4mm
LXW-515B	1.6N(0.16kgf)	2.7mm	2.4mm	43.1±0.8mm
LXW-515C	3.4N(0.35kgf)	0.1mm	1.6mm	28.2±0.5mm
LXW-515R	1N(0.1kgf)	20 mm	5.6mm	19±0.4mm
LXW-515S	3.0N(0.3kgf)	4mm	1.6mm	28.6±0.8mm
LXW-515X	3.0N(0.3kgf)	4mm	1.6mm	17.4±0.8mm



LXW-5 Sheath



LXW-511Q2
(Customizable small
wheels)



LXW-511D



LXW-511Z



LXW-511G1



LXW-515B



LXW-511G2



LXW-515C



LXW-511M



LXW-515R



LXW-511N1



LXW-515S



LXW-511N2



LXW-515X



LXW-511Q1
(Customizable small
wheels)

LXW-AZ Micro switch series

Scope of application

The LXW-AZ series micro switch is widely used in food machinery, automatic packaging machines, machine tools, conveying machinery, automatic production line control, and light industrial machinery with strict protection requirements.

This series of micro switch complies with GB/T14048.5 and IEC 60947-5-1 standards.

Model description

LXW	-	AZ	/	□
Enterprise code Micro switch	Design number	7100: Short plunger type		
		7110: Long plunger type		
		7120: Pivot handle type		
		7121: Pivot roller handle type		
Micro switch	Design number	7124: Unidirectional action pivot roller handle type		
		7140: Pivot short handle type		
		7141: Pivot roller short handle type		
		7144: Unidirectional roller short rod type		
Micro switch	Design number	7166: Spring coil resin type		
		7310: Panel-mounted plunger type		
Micro switch	Design number	7311: Panel-mounted roller plunger type		
		7312: Panel-mounted cross roller plunger type		

Main parameter and technical performance

Operation speed	0.5mm~0.5m/s
Working frequency	Mechanical: 120 times/min Electrical: 20 times/min
Contact resistance	50mΩ or less (initial value)
Insulation resistance	100MΩ or above (≤ DC500V)
Agreed heating current	10A
Electrical parameter	AC380V, AC220V/1A DC220V/0.3A
Withstand voltage	1890V, 50/60Hz 1min between non-connected terminals 2500V, 50/60Hz 1min between terminal and non-charged metal 2500V, 50/60Hz, 1min between terminal and ground
Vibration	Misoperation durability: 10Hz~55Hz, 1.5mm dual amplitude
Shock	Mechanical durability: 1000m/S ² , misoperation durability: 300m/S ²
Usage environment	Temperature: -10°C ~+80°C (non-freezing) Humidity: 35-95% RH
Service life	Mechanical: ≥ 10 million times Electrical: ≥ 100000 times
Protection level	IP63

Operation characteristics

Model	Operation force (OF) max	Operation travel (PT) max	Overtravel (OT) min	Operation position
LXW-AZ7100	5.9N(0.6kgf)	2.0mm	0.8mm	30.5±0.8mm
LXW-AZ7110	5.9N(0.6kgf)	2.0mm	5.0mm	44.5±1.2mm
LXW-AZ7120	1.5N (0.15kgf)	13.5mm	4.0mm	25±1mm
LXW-AZ7121	1.8N(0.18kgf)	11.0mm	3.0mm	40±1mm
LXW-AZ7124	2.0N(0.2kgf)	11.0mm	3.0mm	50±1.2mm
LXW-AZ7140	2.2N(0.22kgf)	8.5mm	2.5mm	25±1mm
LXW-AZ7141	2.0N(0.2kgf)	6.5mm	2.0mm	40±1mm
LXW-AZ7144	2.7N(0.28kgf)	6.5mm	2.0mm	50±1.2mm
LXW-AZ7310	5.9N(0.6kgf)	2.0mm	6.0mm	21.8±1.2mm
LXW-AZ7311	5.9N(0.6kgf)	2.0mm	6.0mm	33.3±1.2mm
LXW-AZ7312	5.9N(0.6kgf)	2.0mm	6.0mm	33.3±1.2mm
LXW-AZ7166	1.2N(0.12kgf)	250mm	11.0mm	

Contact form



Mounting hole and machining dimension

