

NAVIGATOR

Series

Excellent Performance

Artistic Appearance Low Cost Good Quality



LXJMH(s)

Limit Switch Catalogue

DELIXI
ELECTRIC
德力西电气

Ensure the safety of electricity Create the beauty of life

LXJMH(s) Limit Switch

Product features

Super protection

LXJMH (s) has stronger product protection-- fire and water



Level for IP65 high protection



The terminal cover is made of flame-retardant shell material, which is suitable for in various environments.



Double insulation Class II

Brand new design

LXJMH (s) from new design



Meet ROHS environmental requirements



New appearance design, incorporating D-type elements



Complete 3C and CE product certification

Excellent performance

LXJMH (s) with enhanced product life resistance



Product line	LXJMH	LXJMs	LXJM1
Mechanical life (10 ⁷ times)	1.5	1	1
Electrical life (10 ⁶ times)	1.5	1	1

LXJMH (s) has a wider temperature range and lower contact



Ambient temperature -35°C ~+70°C , Contact resistance less than 25 milliohms wider application

Industry applications



Hoisting machinery



Textile machinery



Machine tool industry



Mining machiner

It is suitable for three-dimensional garage, plastic machine, printing and packaging, automatic assembly equipment, textile machinery, food and other fields.

Product features



LXJM & LXJMs series limit switches (hereinafter referred to as switches) are mainly used in electrical circuits with AC 50Hz/60Hz and rated working voltage of AC380V, DC220V and below, and are used in three-dimensional garages, plastic machines, printing and packaging, automatic assembly equipment, textile machinery, food and other fields.

Product selection



Product model	Specification code	Form of operation
LX	<input type="checkbox"/>	<input type="checkbox"/>
	JMH metal case travel switch JMs Plastic Case Travel Switch	8104 9101

Specification code	8104	8107	8108	8111	8112	8122	8166	8169	9101
Name	Roller pivot arm	Adjustable rotary rod	Adjustable roller pivot arm	Direct pressure plunger type	Directly press the plunger and horizontally install the roller	Directly press the plunger and vertically install the roller	Universal type spring soft rod type	Universal type spring soft rod needle type	Universal type spring soft rod rivet head type
Diagram									



LXJMs/H travel switch

Main technical parameters



Model	LXJMH	LXJMs
Characteristic		
Insulation voltage U_i (V)	400	
Rated working voltage U_e (V)	AC:380V, DC:220V	
Rated impulse withstand voltage U_{imp} (kV)	4	
Conventional free air heating current I_{th} (A)	5	
Rated operating characteristics	AC-15	380V/0.8A
	DC-13	220V/0.16A
Rated operating frequency	50/60Hz	
Contact resistance (m Ω)	≤ 25	
Protection class	IP65	
Protection grade against electric shock	Class I	Class II (double insulation)
Mechanical life 3600 times/h	More than 15 million	More than 10 million
Electrical life 1200 times/h	Over 1.5 million (380V 0.8 A)	Over 1 million (380 V 0.8 A)
Ambient temperature	Run	-35°C~+70°C
	Storage	-35°C~+70°C



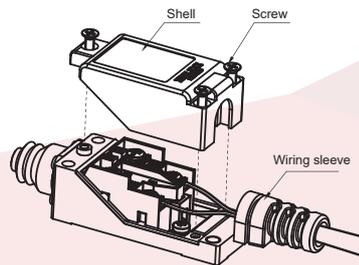
Action characteris

Model	LXJMH-8104	LXJMH-8107	LXJMH-8108	LXJMH-8111	LXJMH-8112	LXJMH-8122	LXJMH-8166	LXJMH-8169	LXJMH-9101
	LXJMs-8104	LXJMs-8107	LXJMs-8108	LXJMs-8111	LXJMs-8112	LXJMs-8122	LXJMs-8166	LXJMs-8169	LXJMs-9101
Action force	≤ 6	≤ 6	≤ 6	≤ 9	≤ 9	≤ 9	≤ 0.9	≤ 0.9	≤ 0.9
Restoring force	≥ 0.5	≥ 0.5	≥ 0.5	≥ 3	≥ 3	≥ 3	-	-	-
Operation stroke	$\leq 30^\circ$	$\leq 30^\circ$	$\leq 30^\circ$	$\leq 1.5\text{mm}$	$\leq 1.5\text{mm}$	$\leq 1.5\text{mm}$	$\leq 30\text{mm}$	$\leq 30\text{mm}$	$\leq 30\text{mm}$
Overstroke	$\geq 60^\circ$	$\geq 60^\circ$	$\geq 60^\circ$	$\geq 5\text{mm}$	$\geq 5\text{mm}$	$\geq 5\text{mm}$	-	-	-
Total stroke	90°	90°	90°	6.5mm	6.5mm	6.5mm	-	-	-

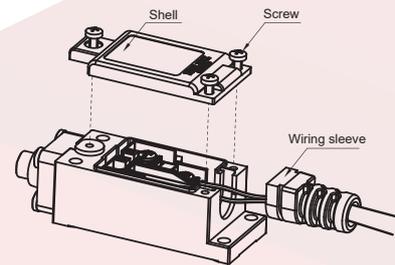
Installation and use

Commissioning and operation

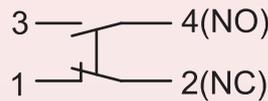
- Before installation, check whether the technical parameters on the product nameplate are consistent with the conditions of use.
- Loosen the screws of the outer cover and remove the outer cover (note that the sealing gasket shall not fall off)
- Thread the wire into the wiring sleeve and tighten the wire with the wiring screw (tightening torque: $0.6 \sim 0.8 \text{ N} \cdot \text{m}$).
- Insert the terminal sleeve into the groove of the cover/housing, install the cover and tighten the screws (tightening torque: $0.25 \text{ to } 0.35 \text{ N} \cdot \text{m}$).
- After installation, it is necessary to check whether the action of the operating mechanism is blocked to ensure that the action is flexible and smooth.



LXJM series cabling



LXJMs series cabling



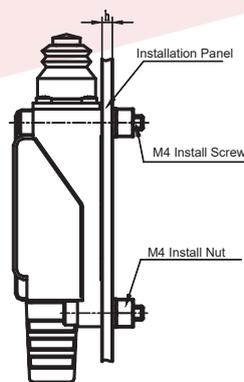
Wiring diagram

- Wiring capability

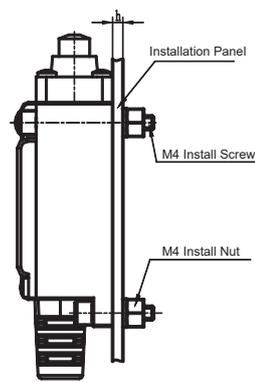
Wire name	Conductor	Insulated cable
Conductor cross-sectional area mm ²	2mm ²	φ6~φ9

Installation

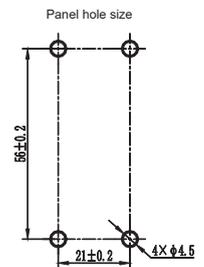
- Front through panel mounting



LXJM series



LXJMs series



LXJM(s) series

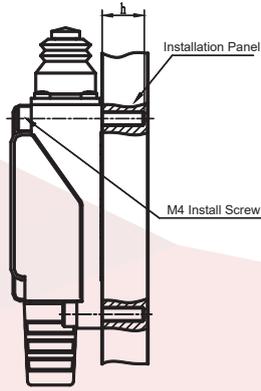


Installation torque

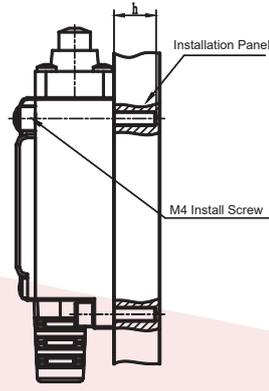
Install the screws	LXJM series	LXJMs series
Specification	M4	$27.5 + H \leq \text{length}$, 2 PCs. (Note: h is the panel thickness) $12+h \leq \text{length}$, 2
Tightening torque	$1.6 \sim 1.8 \text{ N} \cdot \text{m}$	$0.6 \sim 0.8 \text{ N} \cdot \text{m}$

Installation and use

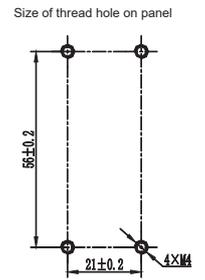
- Front panel mounting



LXJM series



LXJMs series

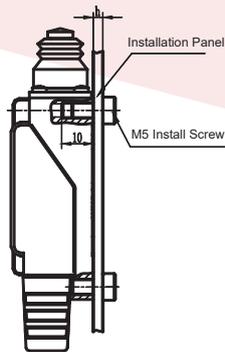


LXJM(s) series

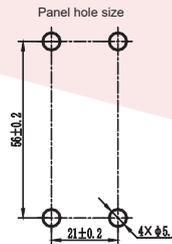
Install the screws	LXJM series	LXJMs series
Specification	M4	$27.5 \leq \text{length} \leq 27.5 + H, 2$ (Note: h is the depth of panel threaded hole) $12 \leq \text{length} \leq 12 + H, 2$
Tightening torque	1.6~1.8N·m	0.6~0.8N·m



- Back panel mount (only LXJM series can be back panel mounted)



LXJM series



LXJM series

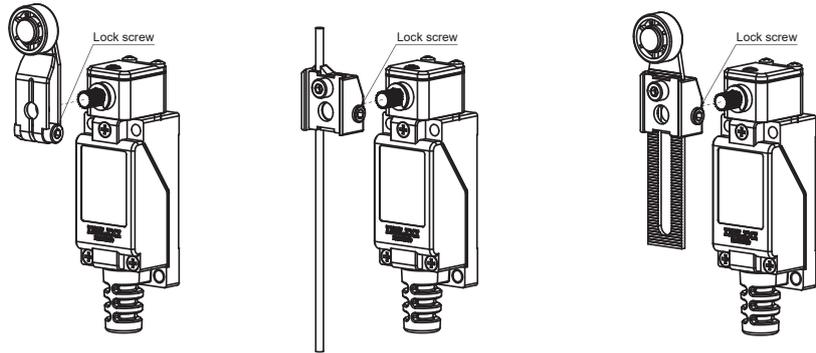
Installation torque

Install the screws	LXJM series
Specification	M5
Tightening torque	$5+h \leq \text{length} \leq 10 + H, 4$ (Note: h is the panel thickness) 1.8~0N·m

Installation and use

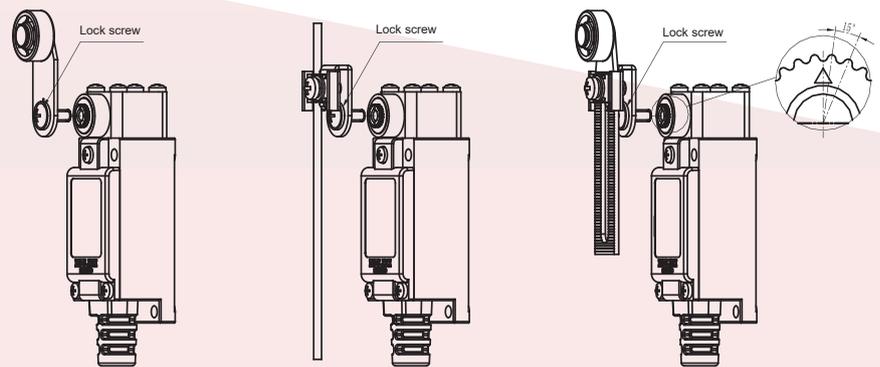
Position adjustment of operating mechanism

- Swing rod position adjustment



LXJMH series

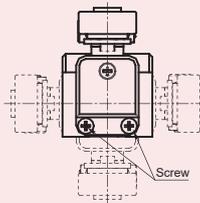
LXJMH-8104, LXJMH-8107, LXJMH-8108: Loosen the locking screw, and adjust the swing rod position by 360° as required. After adjustment, tighten the locking screw (tightening torque: 1.6~1.8N·m).



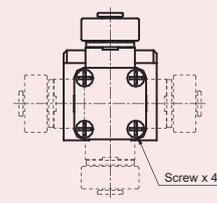
LXJM(s) series

LXJM(s)-8104, LXJM(s)-8107, LXJM(s)-8108: Loosen the locking screw, adjust the position of the swing link by 360° as required, the minimum adjustment angle is 15°, and tighten the locking screw after adjustment. (Tightening torque: 0.8~1N·m)

- Head position adjustment



LXJMH series



LXJM(s) series

LXJMH(s)-8104, LXJMH(s)-8107, LXJMH(s)-8108: Loosen the screws on the head of the product. Adjust the position of the head in the direction of 90°, and tighten the screws after adjustment.

(LXJMH series tightening torque: 0.1~0.2N·m; LXJM(s) series tightening torque: 0.25~0.35N·m)