

Product Selection

LXJMs/H Travel Switch



Product Features

LXJMH & LXJMs series travel switches (hereinafter referred to as "switches") are mainly used in electrical circuits with AC 50Hz/60Hz, rated working voltage AC380V, DC220V and below, and in the fields of threedimensional garage, plastic machine, printing and packaging, automatic assembly equipment, textile machinery, food and so on.

Model Guide

Product name	Design sequence number	Form of operation
LX	☐	☐
	↓ JMH metal case travel switch JMs plastic case travel switch	↓ See the table below

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

Product Selection

LXJMs/H Travel Switch

Main Technical Parameter

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	
Max current when temperature raise test in the air I_{th} (A)		5	
Rated operating characteristics	AC-15	380V/0.8A	
	DC-13	220V/0.16A	
Rated operating frequency		50/60Hz	
Contact resistance ($m\Omega$)		≤ 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 0.8A)	More than 1 million (380V 0.8A)
Ambient temperature	Run	$-35^{\circ}\text{C}\sim+70^{\circ}\text{C}$	$-25^{\circ}\text{C}\sim+70^{\circ}\text{C}$
	Storage	$-35^{\circ}\text{C}\sim+70^{\circ}\text{C}$	

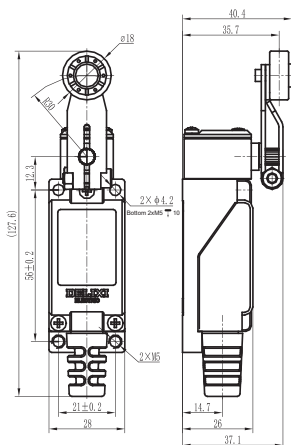
Operation Characteristics

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	-	-	-
Action stroke	$\leq 30^{\circ}$	$\leq 30^{\circ}$	$\leq 30^{\circ}$	$\leq 1.5\text{mm}$	$\leq 1.5\text{mm}$	$\leq 1.5\text{mm}$	$\leq 30\text{mm}$	$\leq 30\text{mm}$	$\leq 30\text{mm}$
Overtravel	$\geq 60^{\circ}$	$\geq 60^{\circ}$	$\geq 60^{\circ}$	$\geq 5\text{ mm}$	$\geq 5\text{mm}$	$\geq 5\text{mm}$	-	-	-
Head office routine	90°	90°	90°	6.5mm	6.5mm	6.5mm	-	-	-

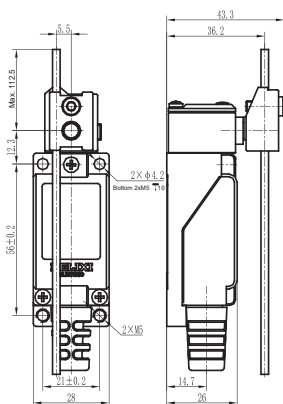
Appearance And Installation Dimension LXJMs/H Travel Switch

LXJMH Travel Switch

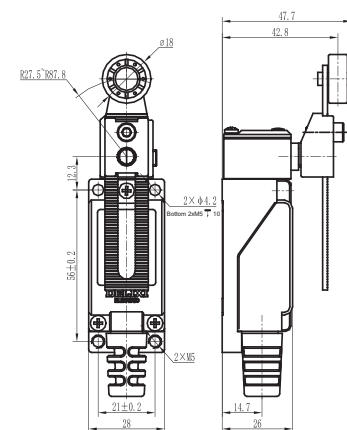
■ LXJMH-8104



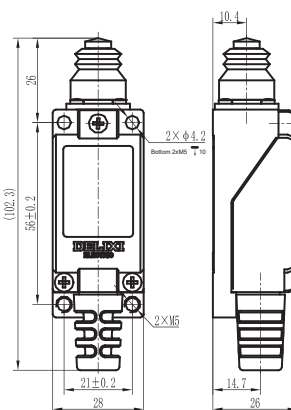
■ LXJMH-8107



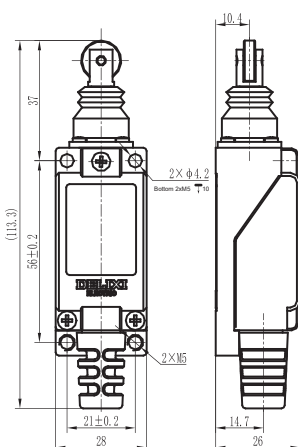
■ LXJMH-8108



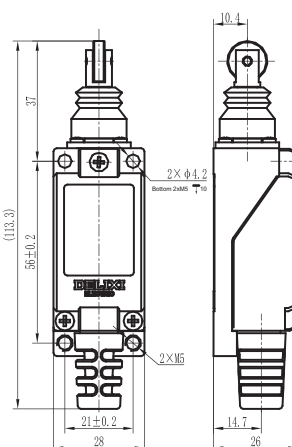
■ LXJMH-8111



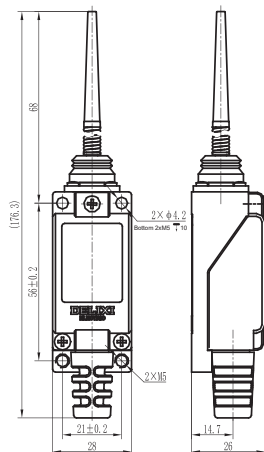
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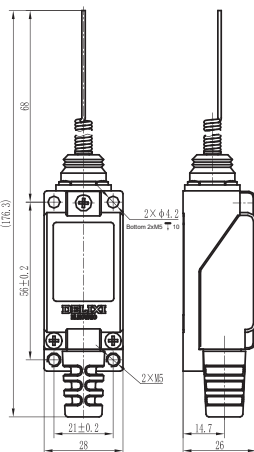
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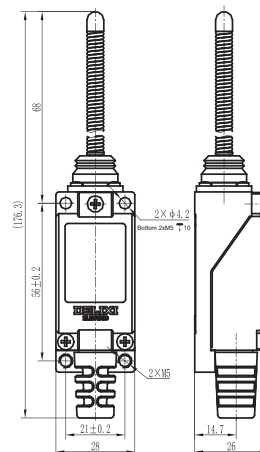
■ LXJMH-8166



■ LXJMH-8169



■ LXJMH-9101

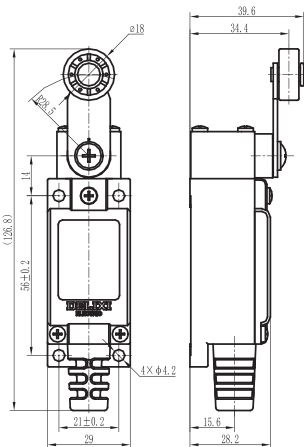


Appearance And Installation Dimension

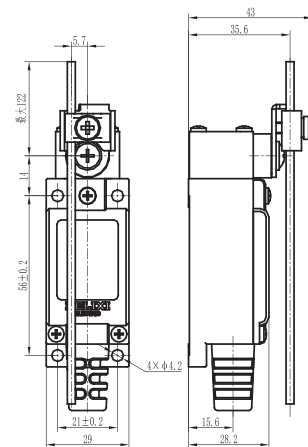
LXJMs/H Travel Switch

LXJMs Travel Switch

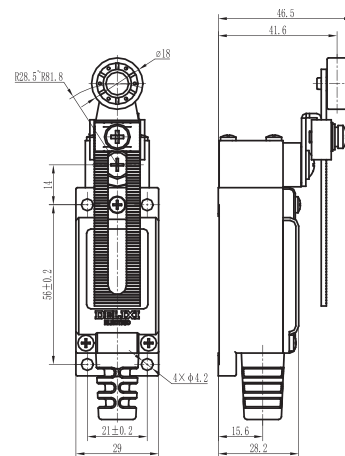
■ LXJMs-8104



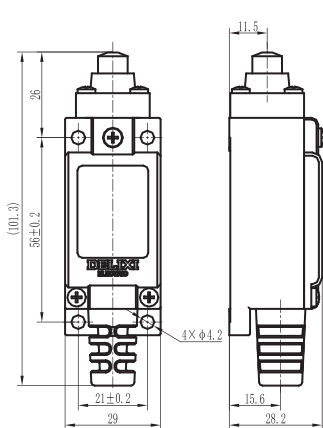
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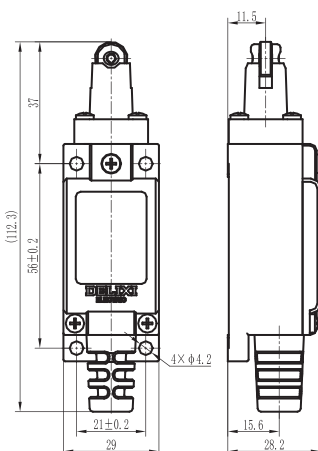
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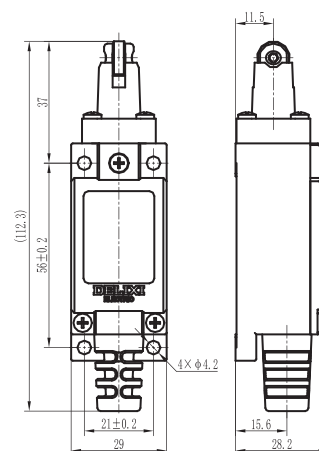
■ LXJMs-8111



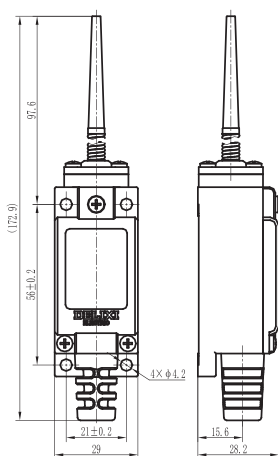
■ LXJMs-8112



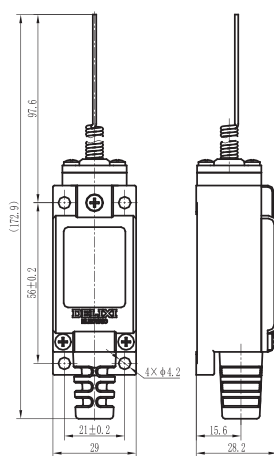
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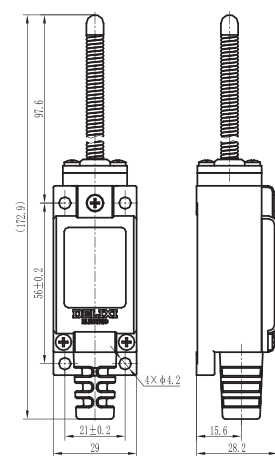
■ LXJMs-8166



■ LXJMs-8169



■ LXJMs-9101



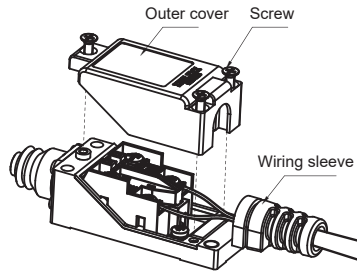
Technical Parameters

LXJMs/H Travel Switch

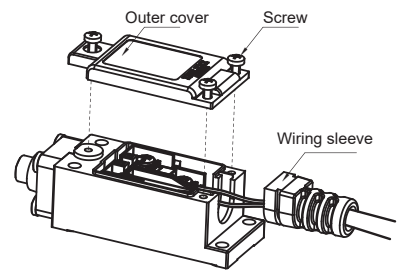
Installation And Use

Commissioning And Operation

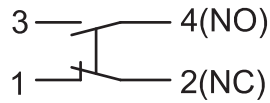
- Before installation, check whether the technical parameters on the product nameplate are consistent with the conditions of use.
- Loosen the screws of the outer cover and remove the outer cover (note that the sealing gasket shall not fall off).
- Thread the wire into the wiring sleeve and tighten the wire with the wiring screw (tightening torque: 0.6-0.8N.m).
- Insert the wiring sleeve into the groove of the cover/housing, install the cover, and tighten the screws (tightening torque: 0.25-0.35 N.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.



LXJMH series cabling



LXJMs series cabling



Wiring diagram

Wiring Capability

Wire name	Conductor	Insulated cable
Conductor sectional area mm ²	2mm ²	φ 6~ φ 9

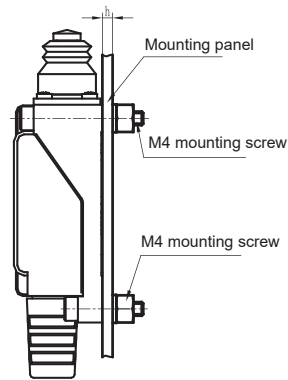
Technical Parameters

LXJMs/H Travel Switch

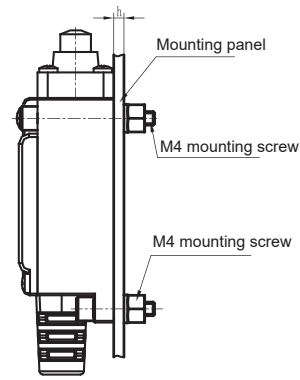
Installation And Use

Installation

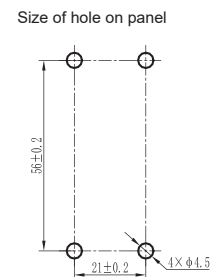
• Front Through Panel Installation



LXJMH series



LXJMs series

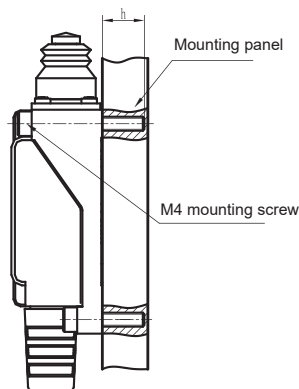


LXJMH(s) series

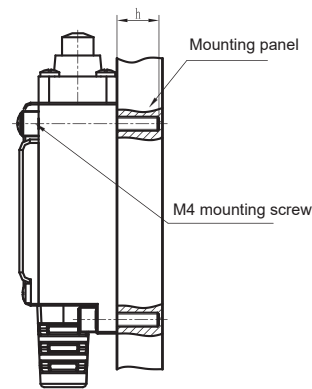
Installation torque

Install the screws	LXJMH series	LXJMs series
Specification M4	27.5+h≤Length, 2pcs (note: h is the thickness of the panel)	
	12+h≤ length, 2 pcs	
Tightening torque	1.6~1.8N•m	0.6~0.8N•m

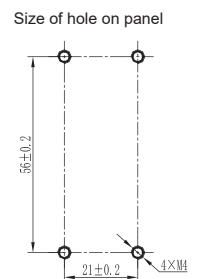
• Front Panel Installation



LXJMH series



LXJMs series



LXJMH(s) series

Install the screws	LXJMH series	LXJMs series
Specification M4	27.5≤ length≤ 27.5+h, 2 pcs (Note: h is the depth of the thread hole on the panel)	
	12≤length≤12+h, 2 pcs	
Tightening torque	1.6~1.8N•m	0.6~0.8N•m

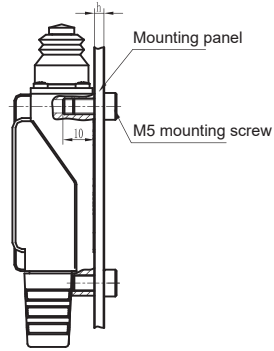
Technical Parameters

LXJMs/H Travel Switch

Installation And Use

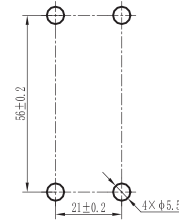
Installation

- Back panel mounting (only LXJMH series can be mounted on the back panel)



LXJMH series

Size of hole on panel



LXJMH series

Installation torque

Install the screws	LXJMH series
Specification M5	$5+h \leq \text{length} \leq 10+h$, 4pcs (Note: h is the thickness of the panel)
Tightening torque	$1.8 \sim 0N \cdot m$

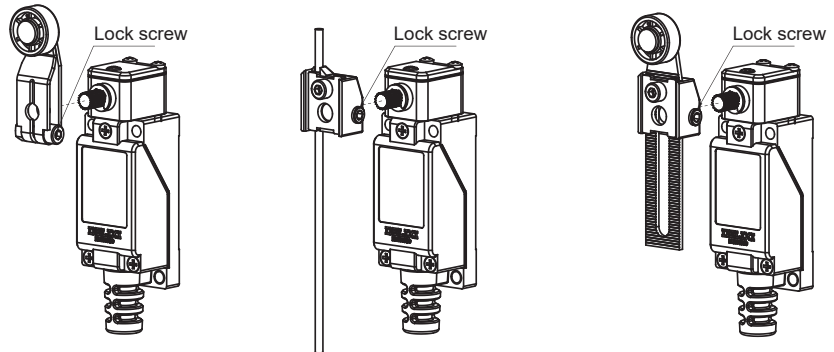
Technical Parameters

LXJMs/H Travel Switch

Installation And Use

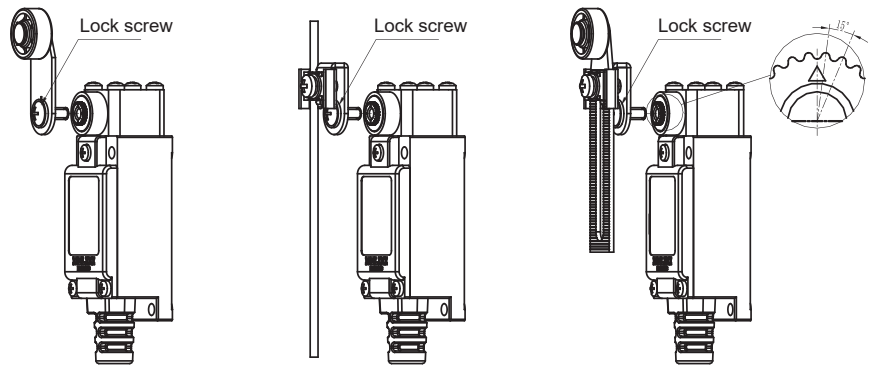
Position Adjustment Of Operating Mechanism

• Swing Rod Position Adjustment



LXJM series

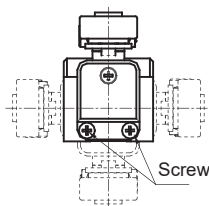
LXJM-8104, LXJM-8107, LXJM-8108: Loosen the locking screw, adjust the position of the swing link by 360 ° as required, and tighten the locking screw after adjustment (tightening torque: 1.6-1.8 N.m)



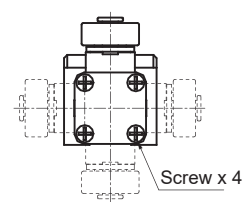
LXJMs series

LXJMs -8104, LXJMs -8107, LXJMs -8108: Loosen the locking screw and adjust the position of the swing rod by 360 ° as required. The minimum adjustment angle is 15 °. After adjustment, tighten the locking screw. (Tightening torque: 0.8-1 N • m)

• Head Position Adjustment



LXJM series



LXJMs series

LXJM (s) -8104, LXJM (s) -8107, LXJM (s) -8108: Loosen the screws on the head of the product, adjust the position of the head every 90 ° as required, and tighten the screws after adjustment.

(LXJM series tightening torque: 0.1-0.2 N.m; LXJMs series tightening torque: 0.25-0.35 N.m).