



YBLX-ME Travel Switch

1.General

YBLX-ME series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism.

Compliance standards: GB/T14048.5, IEC60947-5-1.

2.Type designation

YB LX- ME/ ☐

Mode of operation (shown as in table2)

Industry code

Travel switch

3. Technical data

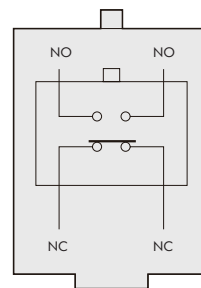


Table 1

Ingress protection	IP62
Operation frequency	20t/min
Ambient temperature	-5°C~+40°C
Relative humidity	When the maximum temperature is +40°C, the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20°C, and special measures should be taken for occasional condensation due to temperature changes.
Rated voltage	AC-150.8A;DC-13 0.16A
Rated control current	AC-15 380V;DC-13 220V
Installation category	II
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	2.5KV
Altitude	≤2000m
Installation conditions	Install in places without significant shaking and shock vibration

Table 2

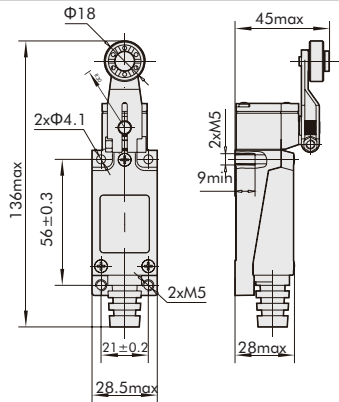
Type(use the recommended type)	Operating modes	Alternative models(stop service)	
YBLX-ME/8104	Roller rotating arm	YBLX-AZ/8104	YBLX-TZ/8104
YBLX-ME/8107	Adjustable rotating rod	YBLX-AZ/8107	YBLX-TZ/8107
YBLX-ME/8108	Adjustable roller rotating rod	YBLX-AZ/8108	YBLX-TZ/8108
YBLX-ME/8111	Direct pressure plunger type	YBLX-AZ/8111	YBLX-TZ/8111
YBLX-ME/8112	Direct pressure plunger horizontal roller	YBLX-AZ/8112	YBLX-TZ/8112
YBLX-ME/8122	Direct pressure plunger vertical roller	YBLX-AZ/8122	YBLX-TZ/8122
YBLX-ME/8166	Universal typeI	YBLX-AZ/8166	YBLX-TZ/8166
YBLX-ME/8169	Universal type II	YBLX-AZ/8169	YBLX-TZ/8169
YBLX-ME/8101	Universal type III	YBLX-AZ/8101 YBLX-AZ/9101	YBLX-TZ/8101 YBLX-TZ/8101
			YBLX-ME/9101

Table 3

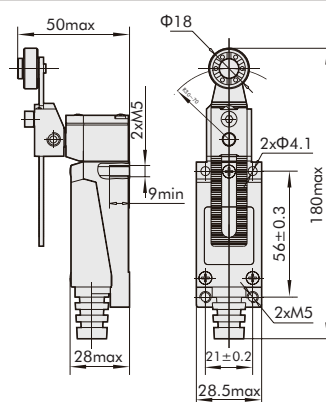
Type	Operating modes	Maximum operating force(max OF)	Maximum operating range(max PT)	Total travel (TT)
YBLX-ME/8104	Roller rotating arm	12N	35°	105°
YBLX-ME/8107	Adjustable rotating rod	12N	35°	105°
YBLX-ME/8108	Adjustable roller rotating rod	12N	35°	105°
YBLX-ME/8111	Direct pressure plunger type	15N	5mm	7mm
YBLX-ME/8112	Direct pressure plunger horizontal roller	20N	5mm	7mm
YBLX-ME/8122	Direct pressure plunger vertical roller	20N	5mm	7mm
YBLX-ME/8166	Universal type I	12N	35°	-
YBLX-ME/8169	Universal type I	12N	35°	-
YBLX-ME/8101	Universal type III	12N	35°	-

4. Overall and mounting dimensions

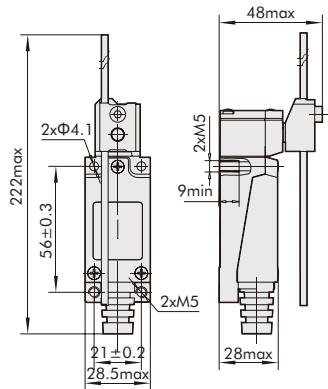
YBLX-ME/8104



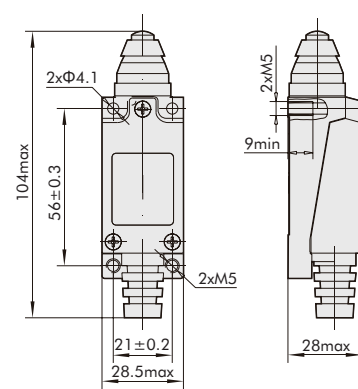
YBLX-ME/8108



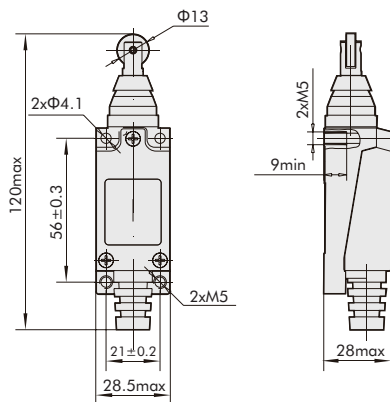
YBLX-ME/8107



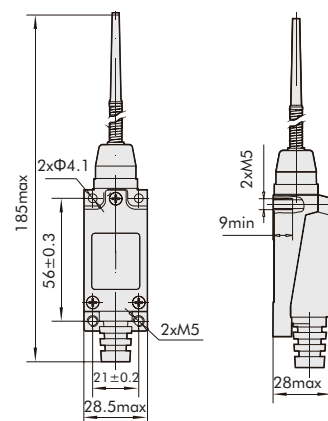
YBLX-ME/8111



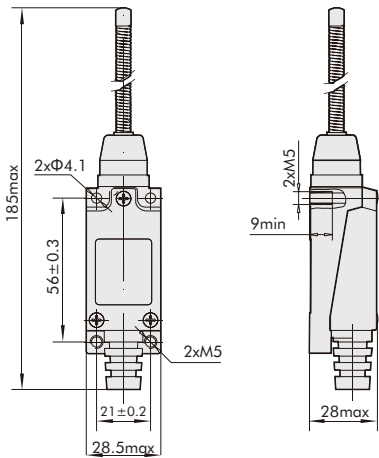
YBLX-ME/8112



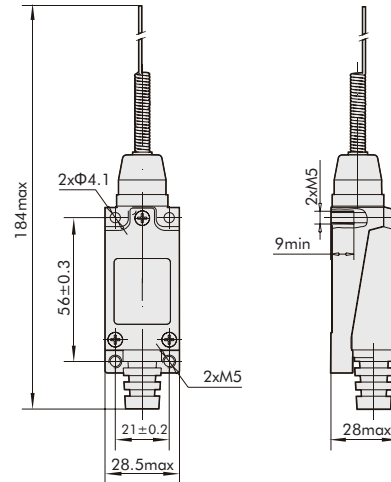
YBLX-ME/8166



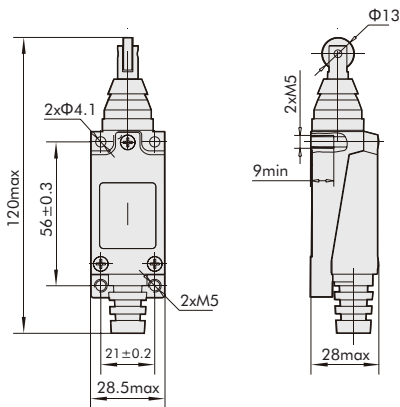
YBLX-ME/8101



YBLX-ME/8169



YBLX-ME/8122



5. Ordering information

When ordering, the user shall specify the switch type, name and quantity.

For example: YBLX-ME/8169 travel switch 100 pieces

User note:

5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-ME /8111 and other direct push products, damage of the inner core of YBLX-Me /8101 and other universal products, damage of the rotating arm of YBLX-Me /8108 and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.



YBLX-WL Travel Switch

1.General

YBLX-WL series travel switches are suitable for control circuit or auxiliary circuit of AC 50Hz (or 60Hz), voltage 380V and DC 220V, with applications including travel control of movement mechanism, switching of movement direction or speed, automatic control of machine tool, and limit action and travel or program control of movement mechanism. Compliance standards: GB/T14048.5, IEC60947-5-1.

2. Type designation

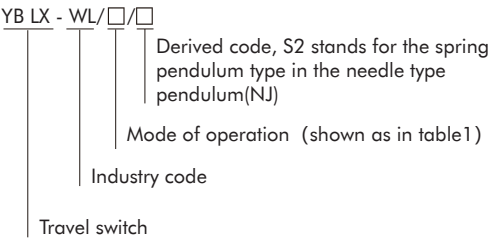


Table 1

Type(use the recommended type)	Operating modes	Alternative models(stop service)		
YBLX-WL/CA2	Single-roller rotating arm	YBLX-WL/01CA2	YBLX-WL/ACA2、YBLX-WL/CA12/2	TZ-5104
YBLX-WL/CA12	Adjustable single-roller rotating arm	YBLX-WL/01CA12	YBLX-WL/ACA12	TZ-5108
YBLX-WL/D	Pressure-plunger type	YBLX-WL/01D	YBLX-WL/AD	TZ-5101
YBLX-WL/D2	Plunger-roller type	YBLX-WL/01D2	YBLX-WL/AD2	TZ-5102
YBLX-WL/NJ	Universal typeI	YBLX-WL/01NJ	YBLX-WL/ANJ	TZ-5106
YBLX-WL/NJ/S2	Universal type II	YBLX-WL/01NJ/S2	YBLX-WL/ANJ/S2	TZ-5169
YBLX-WL/CL	Adjustable straight-shaft type	YBLX-WL/O1CL	YBLX-WL/ACL	TZ-5107

3. Technical data

Table 2

Ingress protection	IP52
Operation frequency	20t/min
Ambient temperature	-5℃~+40℃
Relative humidity	When the maximum temperature is +40℃ , the relative humidity of the air shall not exceed 50%. High relative humidity is allowed at lower temperatures, for example 90% at 20 ℃ , and special measures should be taken for occasional condensation due to temperature changes.
Rated voltage	AC-15 380V;DC-13 220V
Rated control current	AC-15 0.79A;DC-13 0.15A
Installation category	II
Pollution degree	class3
Insulation voltage Ui	415V
Rated impulse withstand voltage Uimp	4KV
Altitude	≤2000m
Installation conditions	Install in places without significant shaking and shock vibration

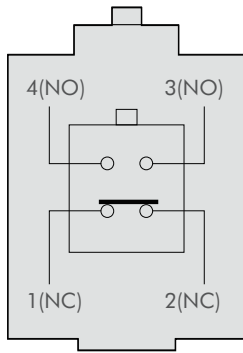
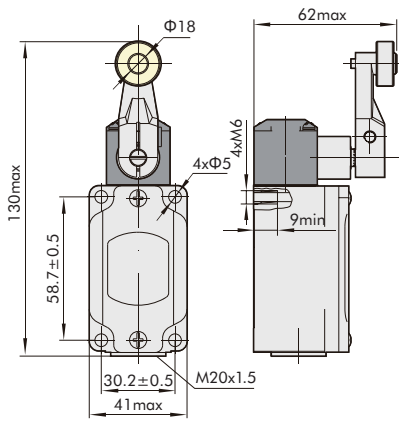


Table 1

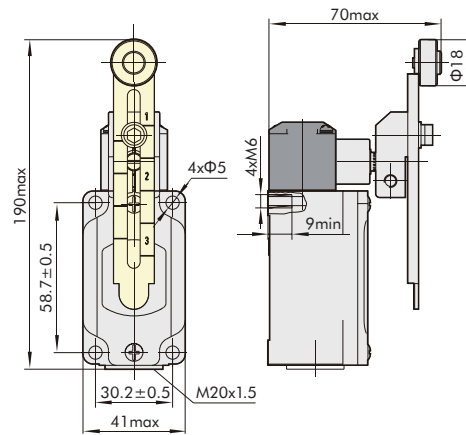
Type	Operating characteristic	Operating force	Operation range	Total travel
YBLX-WL/CL		≤20N	≤45°	60°
YBLX-WL/CA2		≤20N	≤45°	60°
YBLX-WL/CA12		≤20N	°≤45°	60°
YBLX-WL/D		≤30N	≤7.5mm	95mm
YBLX-WL/D2		≤30N	≤7.5mm	95mm
YBLX-WL/NJ		≤16N	≤45°	-
YBLX-WL/NJ/S2		≤16N	≤45°	-

4. Overall and mounting dimensions

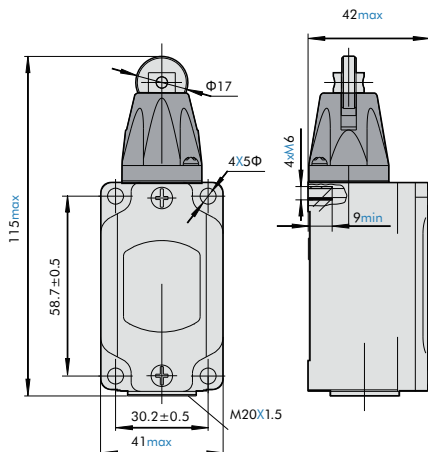
YBLX-WL/CA2



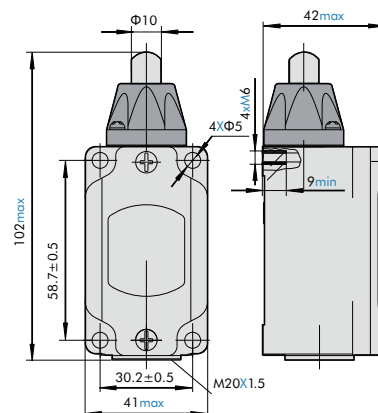
YBLX-WL/CA12



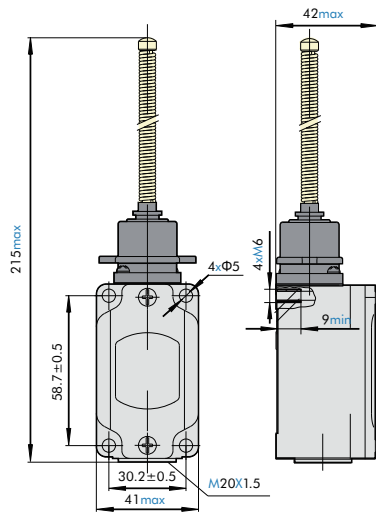
YBLX-WL/D2



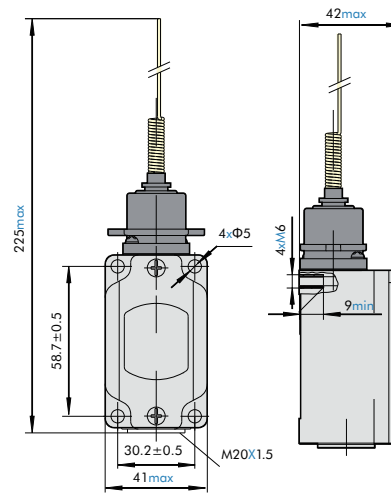
YBLX-WL/D



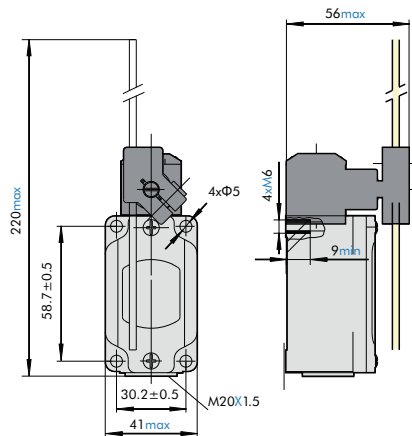
YBLX-WL/NJ



YBLX-WL/NJ/S2



YBLX-WL/CL



5. Ordering information

When ordering, the user shall specify the switch type, name and quantity.

For example: YBLX-WL/CA12 100 pieces

User note:

5.1. It is not recommended to use the product over travel, in order to avoid initial damage (such as damage of the inner core of YBLX-WL/D and other direct push products, damage of the inner core of YBLX-WL/NJ and other universal products, damage of the rotating arm of YBLX-WL/CL and other rotating arm products) or reduce the product lifespan.

5.2. It is not recommended to keep the product in pressing state for a long time, which may cause problems such as initial failure and poor reset. Please maintain and replace the product regularly.

5.3. The operation speed of the product shall not be extremely fast or slow.

5.3.1 When the operation speed is very slow, the contact switching will be unstable, which may lead to poor contact or fusion welding and other problems.

5.3.2 When the operation speed is very fast, the impact force of the action may destroy the switch; if the frequency is too high, the contact may not be able to switch.

5.4. The product is not recommended to be used at light load (voltage, current) conditions, for small load may reduce contact reliability.