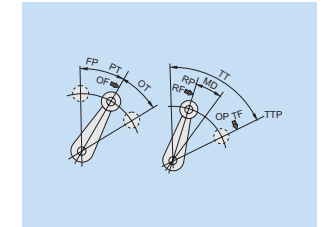
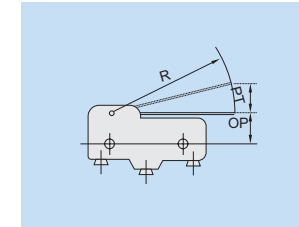
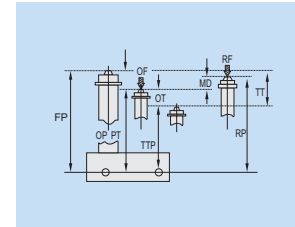


A glimpse of the category and code for domestic and foreign commonly utilized limit switch's actuating head

Actuating head type Code	Plunger type	Plunger type with roller	Rotating arm type with roller	Rotating arm with adjustable roller	Free-diversions type	Adjustable metal oscillating block type	Fork type (double roller) 21、22、21S、22S
Travel switch model							
YBLX-ME8000	8111	8112、8122	8104	8108	8166、8169、8101	8107	
YBLX-WL	D、D1D、AD、SD、D1SD、ASD	AD2、01D2、WL-D2	CA2、01CA2、ACA2	CA12、ACA12、01CA12-2N	NJ、01NJ、ANJ	CL、ACL、HAL	CA32、01CA32、ACA32
YBLX-WLF5	D	D2、D28	H2	H12	NJ	HL	
YBLX-HL5000	5100	5200	5000	5030	5300A、5500	5050	
YBLX-CK/S	S101	S102	S131、S139	S141		S159	
YBLX-CK/M	M110	M102、M121	M115		M106		
YBLX-CK/J	J161	J167	J10511	J10541		J10559	
YBLX-CK/P	P110	P102、P121、P128、P127	P118	P145	P106	P155	
YBLX-CK/T	T110	T102、T121	T118				
YBLX-P1	B、C	D、E、F	G、H、J、K	N、U	R	P、Q、V、W	
YBLX-K3	20S/Z、21S/Z	20S/L、21S/L	20S/B、21S/B	20S/T、21S/T	20S/W	20S/J	20S/H1、H2、H3
YBLX-K1	311、311M	411、411M	111、111M		511、511M		211、211M
YBLX-19	001		111、121、131				212、222、232
YBLX-2			111、121、131				212、222、232
YBLX-4			11、12、11S、12S		511		21、22、21S、22S
YBLX-K2	001、311	101、411	M111、131				211、222

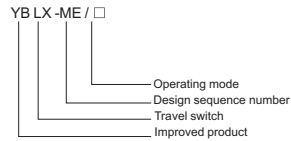
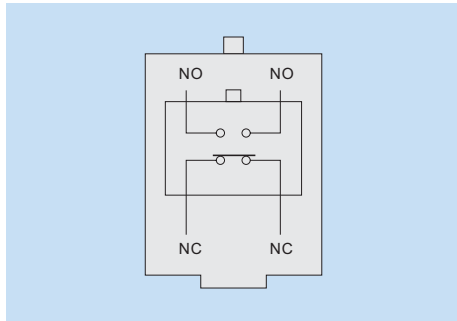
Limit switch operating performances symbol and definitions

Operating force (OF)	Force made on actuating head to activate switch contact
Reset force (RF)	Force made on actuating head to make contact back to normal position
Travel force (TF)	Force made to make actuating head move from free position to the limit.
Free position (FP)	Actuating head's initial position without external force applied
Operating position (OP)	Actuating head's position when contact rapidly moves to action contacting position
Reset position (RP)	Actuating head's position when contact rapidly moves back to normal position from action contacting position
Total travel position (TTP)	Actuating head's position at threshold
Passage travel (PT)	Distance or angle passed by actuating head from free position to stop position
Over travel (OT)	Distance or angle passed by actuating head beyond the action position
Margin distance (MD)	Distance or angle from action position to reset position
Total travel (TT)	Total distance or total angle of actuating head's action travel



YBLX-ME8000 Travel Switch

Contacting types



Protection level	IP64	
Operating frequency (operations / minute)	Mechanical	120
	Electric	30
Mechanical life(operations)	1000 × 10 ⁴	
Electrical life(operations)	30 × 10 ⁴	
Insulation resistance	≥ 100M Ω (DC500V)	
Contact resistance	≤ 15mΩ (initial value)	
Environmental temperature	-15℃~+60℃	
Relative humidity	≤ 95%	
Voltage withstand	Between terminals of the same polarity (1140V)	
	Between electrified components and earth (2500V)	
	Between terminals and un-electrified metal components (2500V)	
Rated voltage(V)	AC 380V DC220V	
Rated control capacity	AC100VA DC30W	

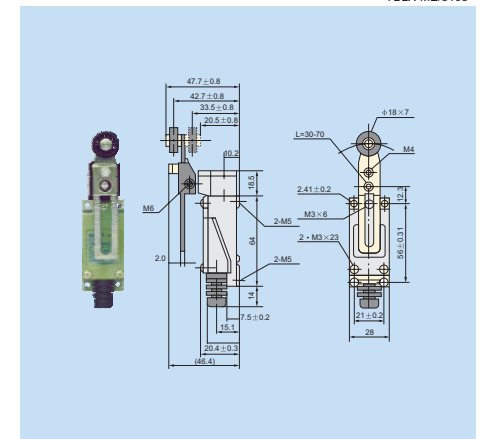
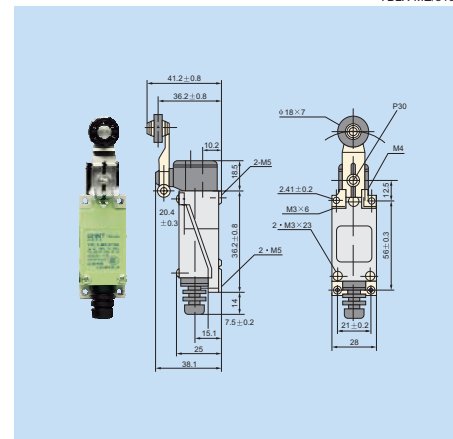
Model (Recommended)	Operating mode	Substituted model (production stopped)	
YBLX-ME/8104	Rotating arm with roller	YBLX-AZ/8104	YBLX-TZ/8104
YBLX-ME/8107	Adjustable rotating lever	YBLX-AZ/8107	YBLX-TZ/8107
YBLX-ME/8108	Adjustable rolling pivoted arm	YBLX-AZ/8108	YBLX-TZ/8108
YBLX-ME/8111	Vertical compression plunger type	YBLX-AZ/8111	YBLX-TZ/8111
YBLX-ME/8112	Vertical compression plunger type with horizontal roller	YBLX-AZ/8112	YBLX-TZ/8112

Model (Recommended)	Operating mode	Substituted model (production stopped)		
YBLX-ME/8122	Vertical compression plunger type with horizontal roller	YBLX-AZ/8122	YBLX-TZ/8122	
YBLX-ME/8166	Free-directions type I	YBLX-AZ/8166	YBLX-TZ/8166	
YBLX-ME/8169	Free-directions type II	YBLX-AZ/8169	YBLX-TZ/8169	
YBLX-ME/8101	Free-directions type III	YBLX-AZ/8101	YBLX-TZ/8101	YBLX-ME/9101

Model	Operating mode	OF(max)	RF(min)	PT(max)	OT(min)	MD(max)	TT
YBLX-ME/8104	Rotating arm with roller	6N	0.5N	20°	75°	10°	95°
YBLX-ME/8107	Adjustable rotating lever	3.4-8N	0.2-.5N	20°	75°	10°	95°
YBLX-ME/8108	Adjustable rotating arm with roller	2-8N	1.5N	20°	75°	10°	95°
YBLX-ME/8111	Vertical compression plunger type	9N	0.1-5N	1.5mm	4mm	0.7mm	5.5mm
YBLX-ME/8112	Vertical compression plunger type with horizontal roller	9N	1-5N	1.5mm	4mm	0.7mm	5.5mm
YBLX-ME/8122Y	Vertical compression plunger type with horizontal roller	9N	1.5N	1.5mm	4mm	0.7mm	5.5mm
BLX-ME/8166	Free-directions type I	0.9N	-N	30mm	-	20mm	50mm
YBLX-ME/8169	Free-directions type II	0.9N	-N	30mm	-	20mm	50mm
YBLX-ME/8101	Free-directions type III	0.9N	-N	30mm	-	20mm	50mm

YBLX-ME/8104

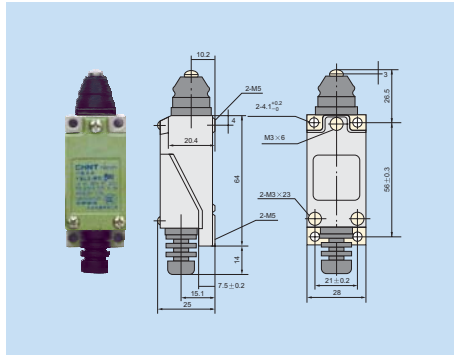
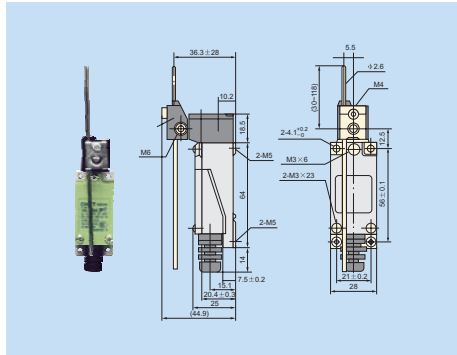
YBLX-ME/8108



YBLX-WL Travel Switch

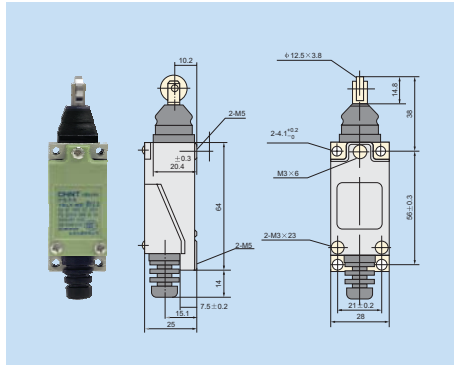
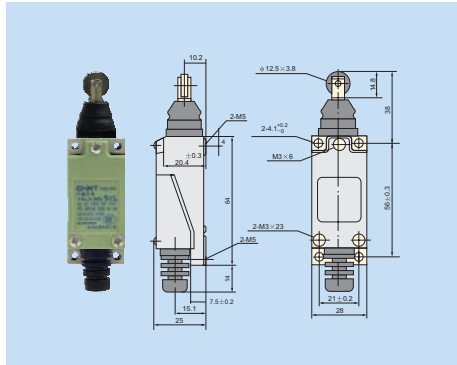
YBLX-ME/8107

YBLX-ME/8111



YBLX-ME/8112

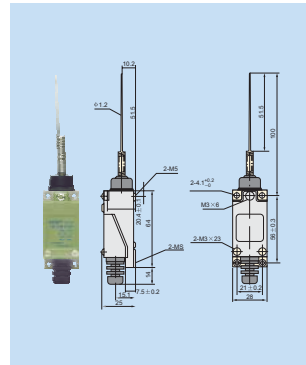
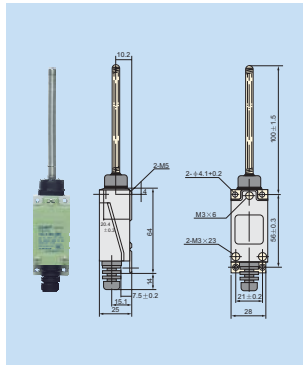
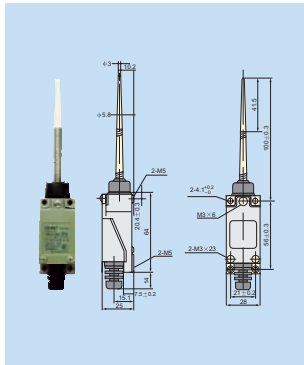
YBLX-ME/8122



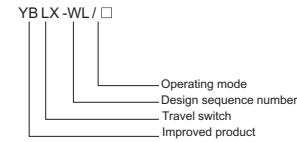
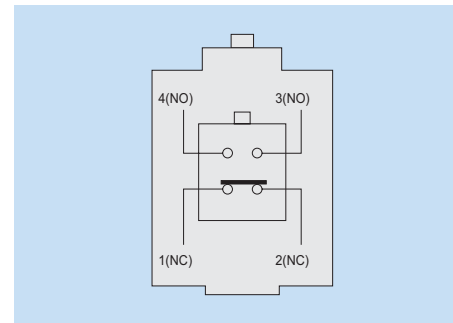
YBLX-ME/8166

YBLX-ME/8101

YBLX-ME/8169



Contacting types



Protection level	IP67
Operating frequency (operations/minute)	Mechanical: 120 Electric: 30
Operating speed	0.001~1m/s
Mechanical life (operations)	1500 × 10 ⁴
Electric life (operations)	75 × 10 ⁴
Insulation resistance	≥ 100M Ω (DC500V)
Contact resistance	≤ 25mm Ω (initial value)
Environmental temperature	-10℃~+80℃
Relative humidity	≤ 95%
Voltage withstands	Between terminals of same polarity (1140V) Between electric components and earth (2500V) Between terminals and non-electric metalparts (2500V)
Rated voltage	AC 380V DC220V
Rated control capacity	AC100VA DC30W

Model (Recommended)	Operating mode	Substituted model (production stopped)		
YBLX-WL/CA2	Rotating arm with single roller	YBLX-WL/01CA2	YBLX-WL/ACA2	TZ-5104
YBLX-WL/CA12	Adjustable rotating arm with single roller	YBLX-WK/CA2/2	YBLX-WL/CA12/2	TZ-5108
YBLX-WL/D	Compression plunger type	YBLX-WL/01D	YBLX-WL/AD	TZ-5101
YBLX-WL/D2	Plunger type with roller	YBLX-WL/01D2	YBLX-WL/AD2	TZ-5102
YBLX-WL/D3	Compression plunger type with round cap	YBLX-WL/01D3	YBLX-WL/AD3	TZ-5109

Model (Recommended)	Operating mode	Substituted model (production stopped)		
YBLX-WL/NJ	Free-directions type I	YBLX-WL/01NJ	YBLX-WL/ANJ	TZ-5106
YBLX-WL/NJ/2	Free-directions type II	YBLX-WL/01NJ/2	YBLX-WL/ANJ/2	
YBLX-WL/NJ/S2	Free-directions type III	YBLX-WL/01NJ/S2	YBLX-WL/ANJ/S2	TZ-5169
YBLX-WL/CL	Adjustable straight lever type	YBLX-WL/01CL	YBLX-WL/ACL	TZ-5107
YBLX-WL/HAL4	Adjustable curved lever type	YBLX-WL/01HAL4	YBLX-WL/AHAL4	
YBLX-WL/HAL5	Adjustable spring type (free-directions type IV)	YBLX-WL/01HAL5	YBLX-WL/AHAL5	
YBLX-WL/CA32/41	Rotating arm with two rollers	YBLX-WL/01CA32/41 YBLX-WL/01CA32/43	YBLX-WL/ACA32/41 YBLX-WL/CA32/43 YBLX-WL/ACA32/43	TZ-5105 TZ-5125 TZ-5135

Model Operating performance	Arm with roller			
	YBLX-WL/CA2	YBLX-WL/CA2/7	YBLX-WL/CA2/2N	YBLX-WL/CA2/8
OF(max)	13.6N	9.8N	10.4N	8.2N
RF(min)	2.27N	1.2N	1.7N	1.37N
PT(max)	15±5°	20°	15±5°	15±5°
OT(min)	30°	70°	30°	30°
MD(max)	12°	10°	12°	12°

Model Operating performance	Arm with roller			
	YBLX-WL/CA2/31	YBLX-WL/GCA2	YBLX-WL/CA12	YBLX-WL/CA12/2N
OF(max)	13.6N	13.6N	13.6N	9.8N
RF(min)	2.27N	1.4N	2.27N	1.2N
PT(max)	15±5°	5+2°	15±5°	20°
OT(min)	30°	40°	30°	70°
MD(max)	12°	3°	12°	10°

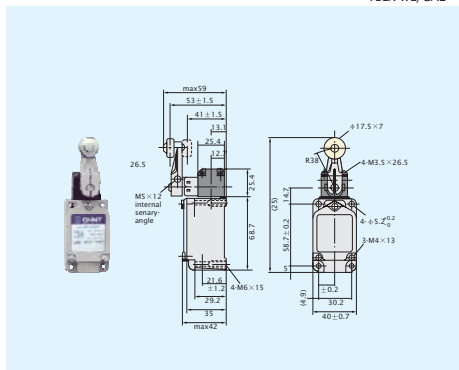
Model Operating performance	Flexible spring densely wound coil (free directions type)			
	YBLX-WL/NJ	YBLX-WL/NJ30	YBLX-WL/NJ/2	YBLX-WL/NJ/S2
OF(max)	1.5N	1.5N	1.5N	0.3N
RF(min)				0.28N
PT(max)	20±10mm	20±10mm	40±20mm	15±5°
OT(min)				30°
MD(max)				12°

Model Operating performance	Adjustable level			
	YBLX-WL/CL	YBLX-WL/CL/2N	YBLX-WL/HAL4	YBLX-WL/HAL5
OF(max)	1.4N	0.3N	1N	1N
RF(min)	0.28N	0.25N	0.15N	0.15N
PT(max)	15±5°	20°	15±5°	15±5°
OT(min)	30°	70°	55°	55°
MD(max)	12°	10°	10°	10°

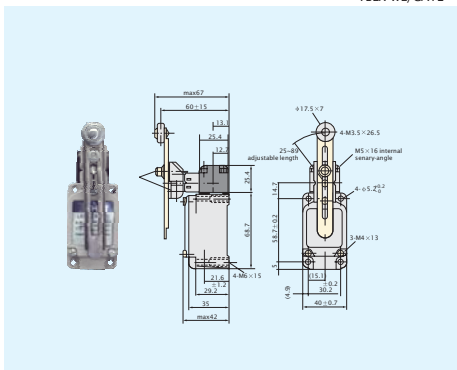
Model Operating performance	Arm with two rollers	Plunger	Plunger with single roller	Plunger with round cap
	YBLX-WL/CA32/41/43	YBLX-WL/D	YBLX-WL/D2	YBLX-WL/D3
OF(max)	12N	27.2N	27.2N	27.2N
RF(min)	-	9.1N	9.1N	9.1N
PT(max)	15±5°	1.7mm	1.7mm	1.7mm
OT(min)	35°	6.4mm	5.6mm	4mm
MD(max)	-	1mm	1mm	1mm
OP(max)	-	34±0.8mm	44±0.8mm	44.5±0.8mm
TTP(max)	-	29.5°	39.5°	39.5°

Model Operating performance	Plunger with single roller	Frontal plunger	Frontal plunger with single roller	Plunger with round cap
	YBLX-WL/D28	YBLX-WL/SD	YBLX-WL/SD2	YBLX-WL/SD3
OF(max)	1.7N	40N	40N	40N
RF(min)	4.5N	9N	9N	9N
PT(max)	1.7mm	2.8mm	2.8mm	2.8mm
OT(min)	5.6mm	6.4mm	5.6mm	4mm
MD(max)	1mm	1mm	1mm	1mm
OP(max)	44±0.8mm	40.6±0.8mm	44±0.8mm	54.1±0.8mm
TTP(max)	39.5°	-	-	-

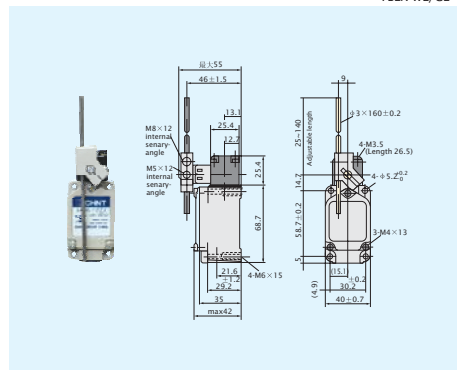
YBLX-WL/CA2



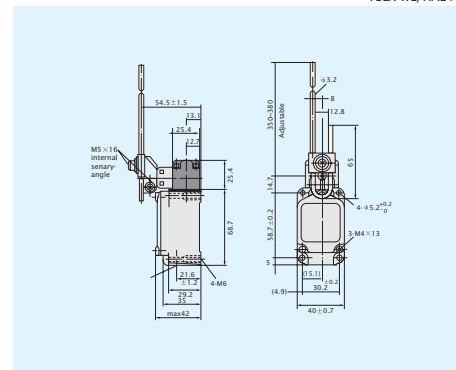
YBLX-WL/CA12



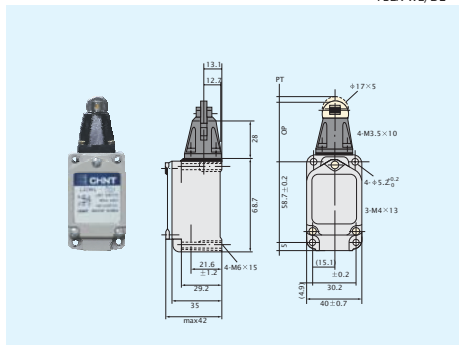
YBLX-WL/CL



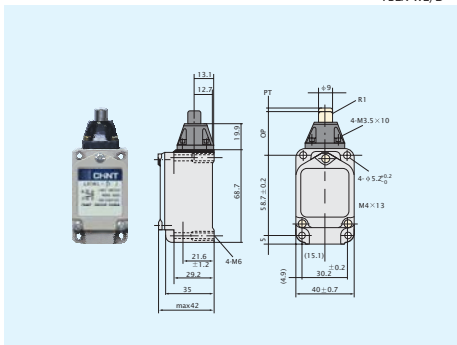
YBLX-WL/HAL4



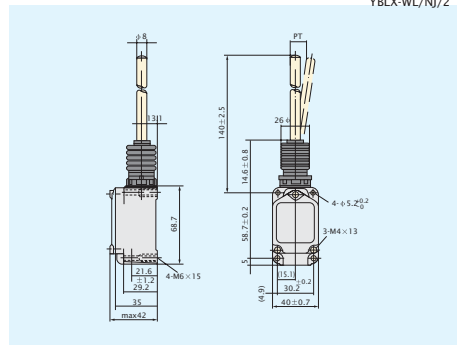
YBLX-WL/D2



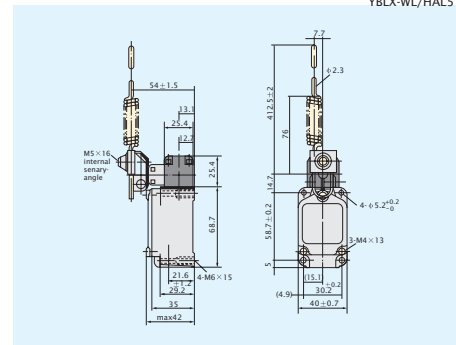
YBLX-WL/D



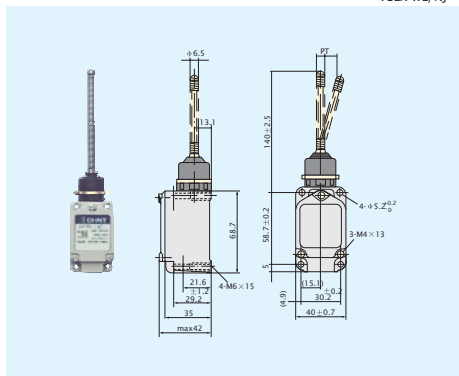
YBLX-WL/NJ/2



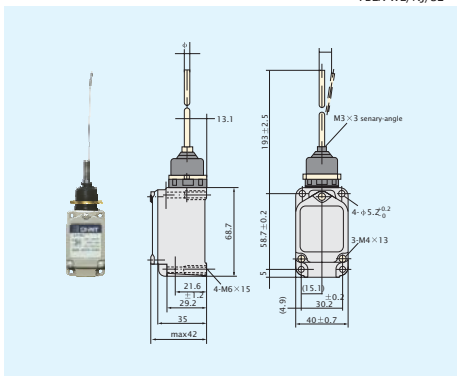
YBLX-WL/HAL5



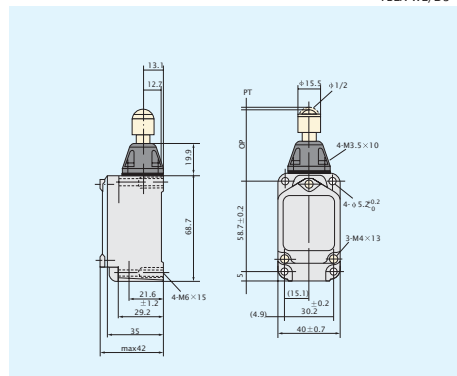
YBLX-WL/NJ



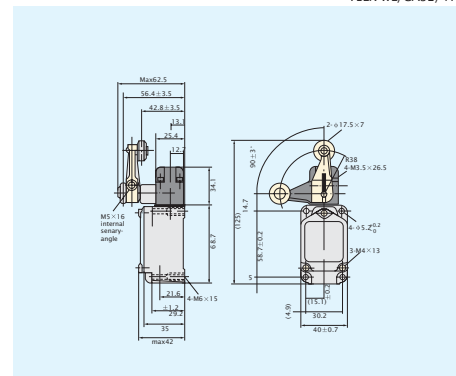
YBLX-WL/NJ/S2



YBLX-WL/D3

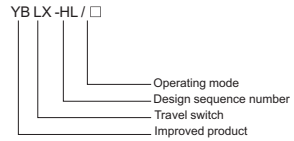
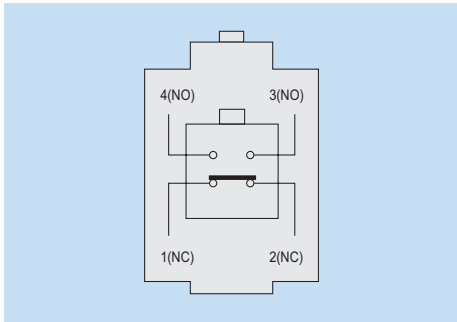


YBLX-WL/CA32/41



YBLX-HL/5000 Travel Switch

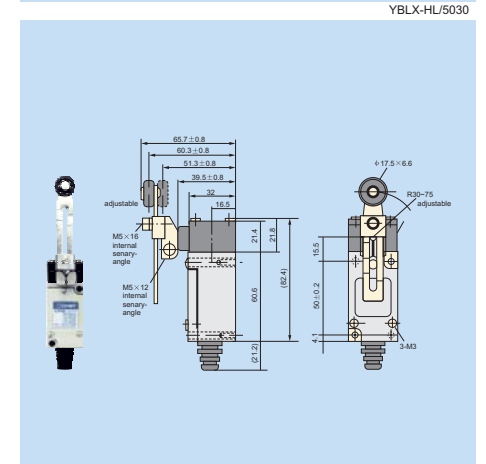
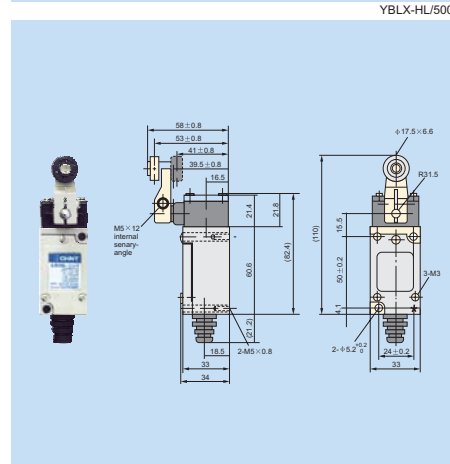
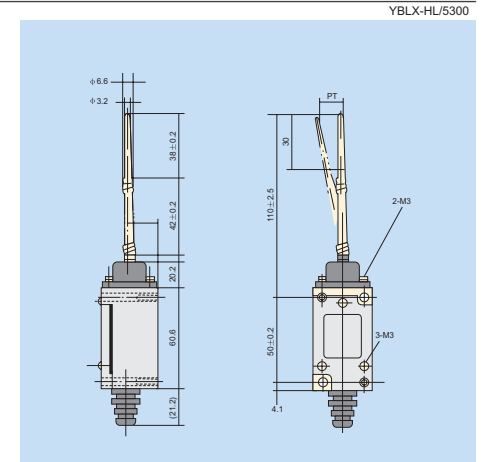
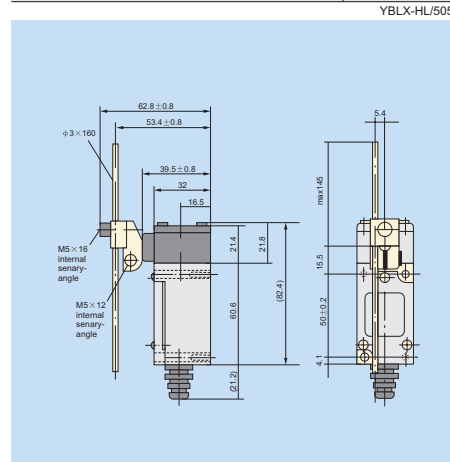
Contacting types



Protection level	IP64	
Operating frequency (operations minute)	Mechanical	120
	Electric	30
Operating speed	0.005~0.5m/s	
Mechanical life (operations)	1000 × 10 ⁴	
Electrical life (operations)	200 × 10 ⁴ (3A)	
Insulation resistance	≥100M Ω (DC500V)	
Contact resistance	≤25M Ω (initial value)	
Environmental temperature	-5℃~+65℃	
Relative humidity	≤95%	
Voltage withstand	Between terminals of same polarity (1140V)	
	Between electrified components and earth (2500V)	
	Between terminals and non-electrified metal components (2500V)	
Rated voltage (V)	AC380V DC220V	
Rated control capacity	AC100VA DC30W	

Operating performances	Model	YBLX-HL/5000	YBLX-HL/5030	YBLX-HL/5050	YBLX-HL/5100	YBLX-HL/5200	YBLX-HL/5500
OF(max)		7.5N	7.5N	9N	9N	1.5N	2N
RF(min)		1N	1N	1.5N	1.5N	-	2N
PT(max)		20°	20°	1.5mm	1.5mm	3mm	1.5mm
OT(min)		50°	50°	4mm	4mm	-	4.5mm
MD(max)		12°	12°	1mm	1mm	-	0.7mm
OP		-	-	30±0.8mm	40±0.8mm	-	-

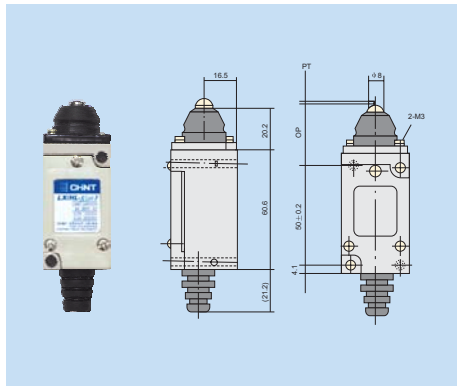
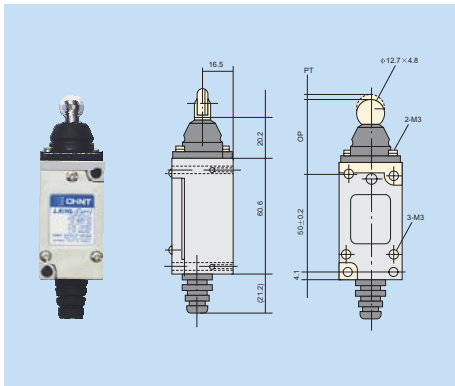
Model	Operating mode
YBLX-HL/5000	Rotating arm with roller
YBLX-HL/5030	Rotating adjustable arm with roller
YBLX-HL/5050	Adjustable rotating lever
YBLX-HL/5100	Vertical compressed plunger type
YBLX-HL/5200	Vertical compressed plunge type with roller
YBLX-HL/5300	Free-directions type flexible lever with spring
YBLX-HL/5500	Transmission type through long-arm curved lever



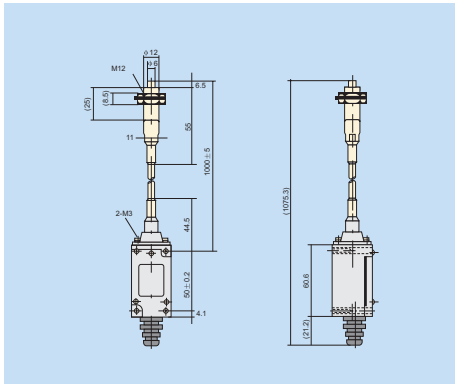
YBLX-CK Travel Switch

YBLX-HL/5200

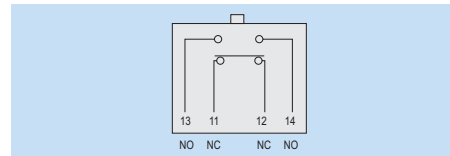
YBLX-HL/5100



YBLX-HL/5500



Contacting types



YBLX CK / □ □

- Operating mode
- Design sequence number
- Code of contact operation mode
- Travel switch
- Improved product

Protection level	IP65
Rated operational voltage	AC 380V DC220V
Rated power	AC500VA DC100W
Mechanical life (operations)	100×10^4
Electric life (operations)	30×10^4



Model	Mechanical equipments for construction and public facilities	Food, agriculture, textile, timber, lumber, industry, machine	Packing machine	Machine tool	Assembling machine	Power-drive mounting & dimounting machine
YBLX-CK/J	Not often utilized	Not often utilized	Not often utilized	Utilizable	Most frequently utilized	Most frequently utilized
YBLX-CK/S	Not often utilized	Most frequently utilized	Most frequently utilized	Not often utilized	Not often utilized	Not often utilized
YBLX-CK/M	Most frequently utilized	Utilizable	Most frequently utilized	Utilizable	Utilizable	Most frequently utilized
YBLX-CK/P	Most frequently utilized	Most frequently utilized	Most frequently utilized	Not often utilized	Most frequently utilized	Not often utilized
YBLX-CK/T	Most frequently utilized	Most frequently utilized	Most frequently utilized	Not often utilized	Most frequently utilized	Not often utilized

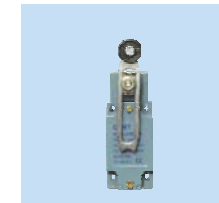
Model	Direct-driven type	Direct-driven type with steel roller	Direct-driven type with plastic roller	Direct-driven type with plastic roller	Adjustable rotating arm with roller type	Rotating arm type round lever	Free-directions type
YBLX-CK/J	J161	J167		J10511	J10541	J10559	
YBLX-CK/S	S101	S102		S131, 139	S141	S159	
YBLX-CK/M	M110	M102	M121	M115			M106
YBLX-CK/P	P110	P102	P121	P118	P145	P155	P106
YBLX-CK/T	T110	T102		T118			

YBLX-CK/P 106

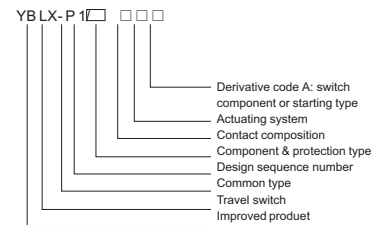
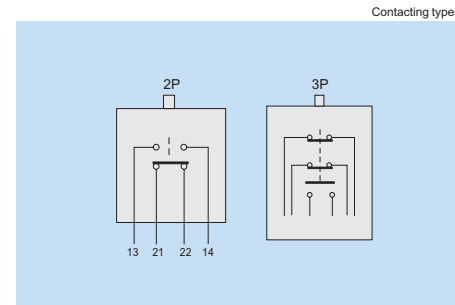
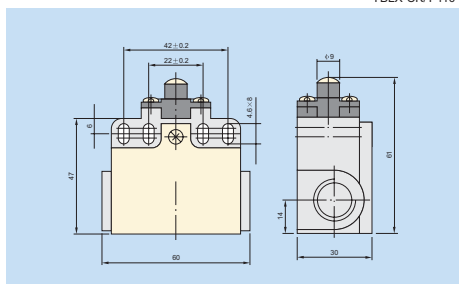
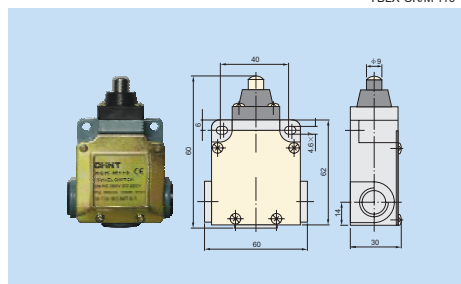
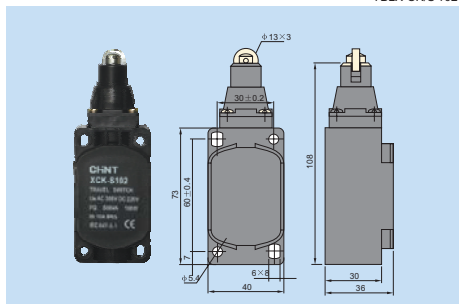
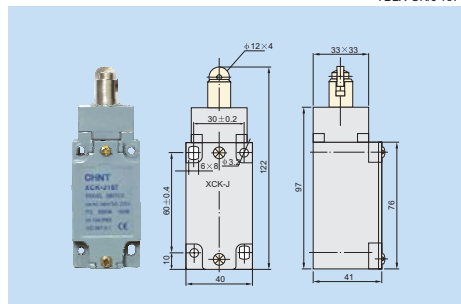
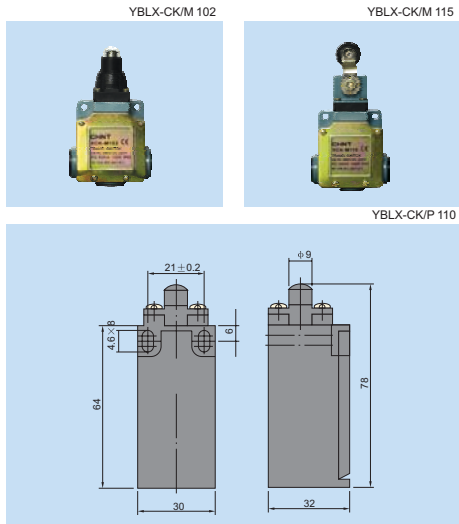
YBLX-CK/J 10511

YBLX-CK/J 10541

YBLX-CK/P 102



YBLX-P1 Travel Switch



100	3-pole protective type travel switch (wide type)
120	3-pole protective type travel switch (narrow type)
303	3-pole protective type travel switch (wide type)
404	4-pole protective type travel switch (wide type)

	3P switch component	4P switch component
1	Normal slave contact 2NO, slave contact 1 NC	2 fast switch components
2	Cross slave contact 1 NO, 2 NC (a pair of cross)	2 cross switch components
3	Cross slave contact 1 NO, 2 NC (2 pairs of cross)	1 slave, 1 fast component
4	Cross slave contact 1 NO, 2 NC (2 pairs of cross)	
5	Cross slave contact 2 NO, 1 NC	

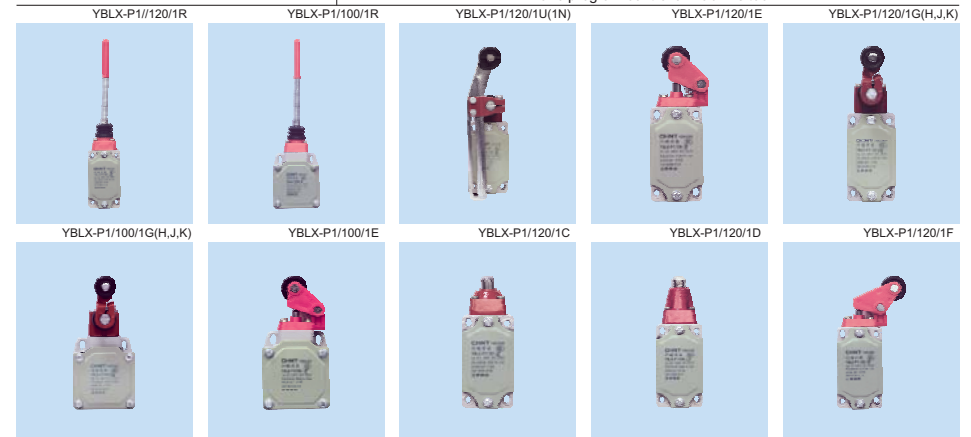
Model (recommended)	Operating mode	Substitution model (production stopped)		
YBLX-P1/120/1B	Direct-driven	YBLX-P1/120/0B		
YBLX-P1/120/1C	Direct-driven, buffering	YBLX-P1/120/0C		
YBLX-P1/120/1D	Direct driven, with single roller	YBLX-P1/120/0D		
YBLX-P1/120/1E	Direct-driven with single roller, buffering	YBLX-P1/120/0E		
YBLX-P1/120/1F	Lever, with single roller	YBLX-P1/120/0F		
YBLX-P1/120/1G	Angle of rotating arm adjustable, with single roller	YBLX-P1/120/1H YBLX-P1/120/0H YBLX-P1/120/0G	YBLX-P1/120/1J YBLX-P1/120/0J	YBLX-P1/120/1K YBLX-P1/120/0K

Model (recommended)	Operating mode	Substitution model (production stopped)		
		YBLX-P1/120/1V YBLX-P1/120/0V YBLX-P1/120/0P	YBLX-P1/120/1W YBLX-P1/120/0W	YBLX-P1/120/1Q YBLX-P1/120/0Q
YBLX-P1/120/1P	Length of iron lever adjustable, damping			
YBLX-P1/120/1R	Free-directions type	YBLX-P1/120/0R		
YBLX-P1/120/1T	No self-reset of roller	YBLX-P1/120/0T		
YBLX-P1/120/1U	Length of single lever adjustable, with single roller	YBLX-P1/120/0U	YBLX-P1/120/0N	YBLX-P1/120/0N
YBLX-P1/100/1B	Direct-driven	YBLX-P1/100/0B		
YBLX-P1/100/1C	Direct-driven, buffering	YBLX-P1/100/0C		
YBLX-P1/100/1D	Direct driven, with single roller	YBLX-P1/100/0D		
YBLX-P1/100/1E	Direct-driven with single roller, buffering	YBLX-P1/100/0E		
YBLX-P1/100/1F	Lever, with single roller	YBLX-P1/100/0F		
YBLX-P1/100/1G	Angle of rotating arm adjustable, with single roller	YBLX-P1/100/1H YBLX-P1/100/0H YBLX-P1/100/0G	YBLX-P1/100/1J YBLX-P1/100/0J	YBLX-P1/100/1K YBLX-P1/100/0K
YBLX-P1/100/1P	Length of iron lever adjustable, damping	YBLX-P1/100/1V YBLX-P1/100/0V YBLX-P1/100/0P	YBLX-P1/100/1W YBLX-P1/100/0W	YBLX-P1/100/1Q YBLX-P1/100/0Q
YBLX-P1/100/1R	Free-directions type	YBLX-P1/100/0R		
YBLX-P1/100/1T	Length of single lever adjustable, with single roller	YBLX-P1/100/0T		
YBLX-P1/100/1U	Direct-driven	YBLX-P1/100/0U	YBLX-P1/100/0N	YBLX-P1/100/0N
YBLX-P1/303/1B	Direct-driven, buffering	YBLX-P1/303/0B		
YBLX-P1/303/1C	Direct driven, with single roller	YBLX-P1/303/0C		
YBLX-P1/303/1D	Direct-driven with single roller, buffering	YBLX-P1/303/0D		
YBLX-P1/303/1E	Lever, with single roller	YBLX-P1/303/0E		
YBLX-P1/303/1F	Angle of rotating arm adjustable, with single roller	YBLX-P1/303/0F		
YBLX-P1/303/1G	Length of single lever adjustable, with single roller	YBLX-P1/303/1H YBLX-P1/303/0H YBLX-P1/303/0G	YBLX-P1/303/1J YBLX-P1/303/0J	YBLX-P1/303/1K YBLX-P1/303/0K
YBLX-P1/303/1P	Length of iron lever adjustable, damping	YBLX-P1/303/1V YBLX-P1/303/0V YBLX-P1/303/0P	YBLX-P1/303/1W YBLX-P1/303/0W	YBLX-P1/303/1Q YBLX-P1/303/0Q
YBLX-P1/303/1R	Free-directions type	YBLX-P1/303/0R		
YBLX-P1/303/1T	No self-reset of roller	YBLX-P1/303/0T		
YBLX-P1/303/1U	Length of single lever adjustable, with single roller	YBLX-P1/303/0U		
YBLX-P1/404/1B	Direct-driven	YBLX-P1/404/0B		
YBLX-P1/404/1C	Direct-driven, buffering	YBLX-P1/404/0C		
YBLX-P1/404/1D	Direct driven, with single roller	YBLX-P1/404/0D		

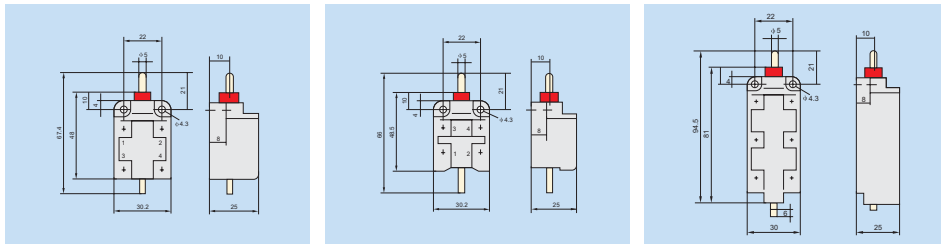
Model (recommended)	Operating mode	Substitution model (production stopped)		
		YBLX-P1/404/0E YBLX-P1/404/0F	YBLX-P1/120/1W YBLX-P1/120/0W	YBLX-P1/120/1Q YBLX-P1/120/0Q
YBLX-P1/404/1G	Length of single lever adjustable, with single roller	YBLX-P1/404/1H YBLX-P1/404/0H YBLX-P1/404/0G	YBLX-P1/404/1J YBLX-P1/404/0J	YBLX-P1/404/1K YBLX-P1/404/0K
YBLX-P1/404/1P	Length of iron lever adjustable, damping	YBLX-P1/404/1V YBLX-P1/404/0V YBLX-P1/404/0P	YBLX-P1/404/1W YBLX-P1/404/0W	YBLX-P1/404/1Q YBLX-P1/404/0Q
YBLX-P1/404/1R	Free-directions type	YBLX-P1/404/0R		
YBLX-P1/404/1T	No self-reset of roller	YBLX-P1/404/0T		
YBLX-P1/404/1U	Length of single lever adjustable, with single roller	YBLX-P1/404/0U		

Rated operational voltage (V)	AC380V DC220V
Rated power	AC300VA DC60W
Conventional heating current (A)	10
Protection degree	IP65
Mechanical life (operations)	30 × 10 ⁵
Electric life (operations)	Ie= 1A/AC-15: 5 × 10 ⁵
	Ie= 0.5A/DC-13: 10 × 10 ⁵
Environmental temperature	-25 °C ~ +40 °C
Relative humidity	≤95%
Altitude	≤2000m

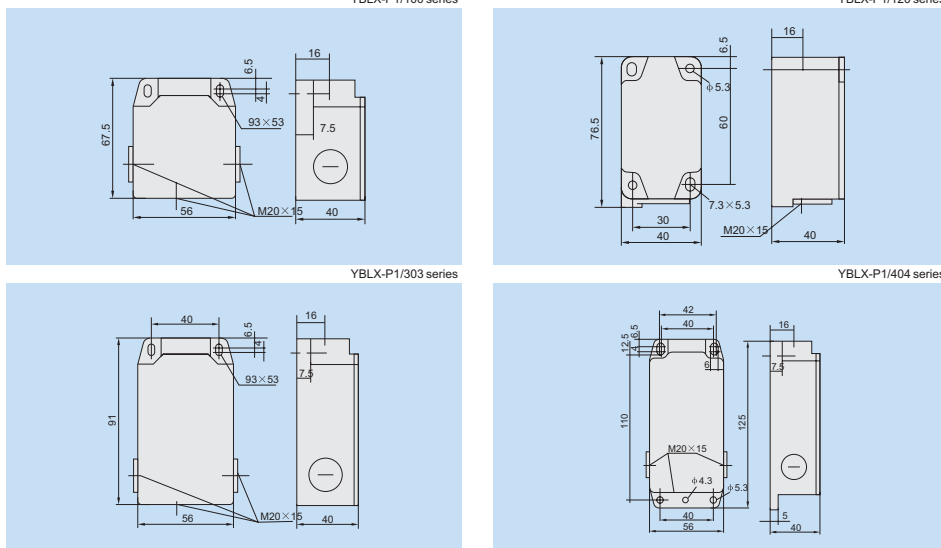
Application Automatic control, limitation operation, operation of transmission mechanism and program control of machine tool.



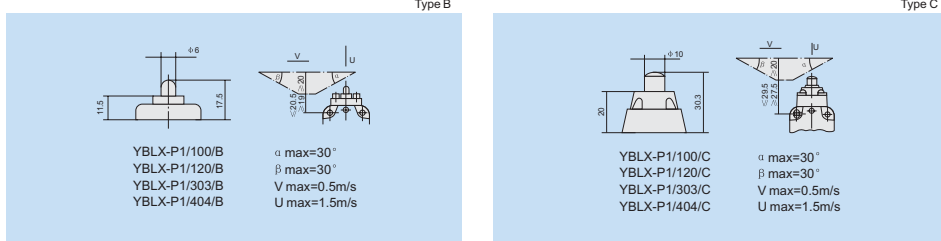
Unlocking type



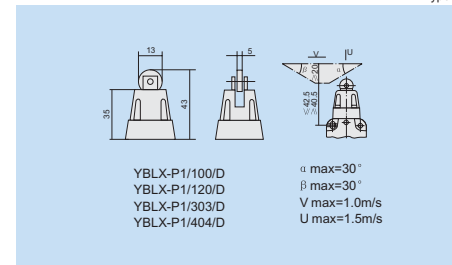
Protective cover



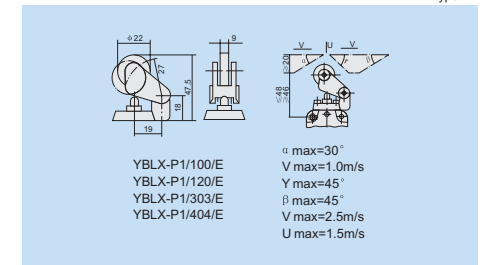
Driven head style & data



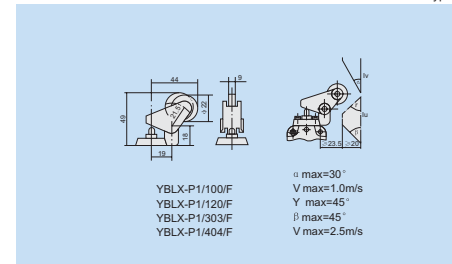
Type D



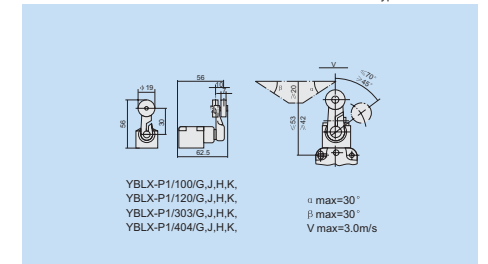
Type E



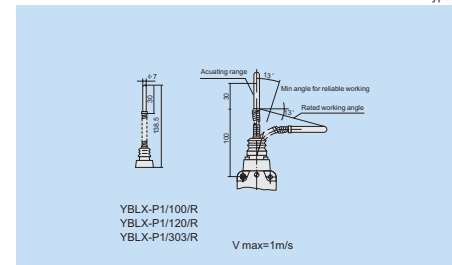
Type F



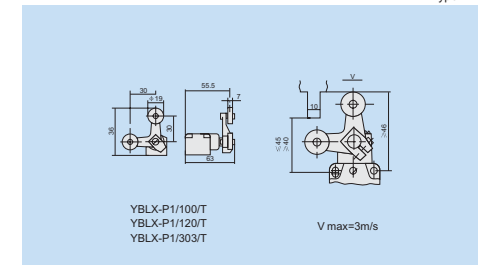
Type G, H, J, K



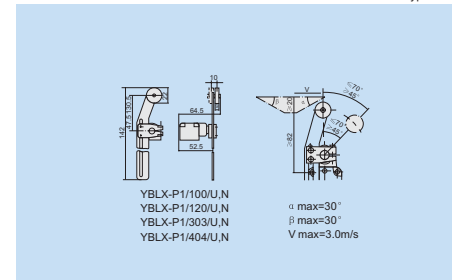
Type R



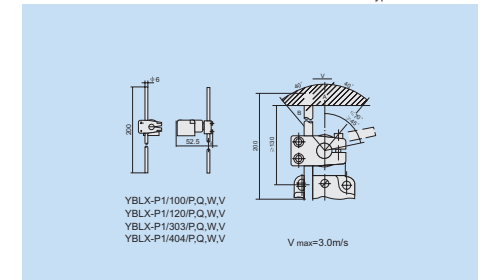
Type T



Type U, N

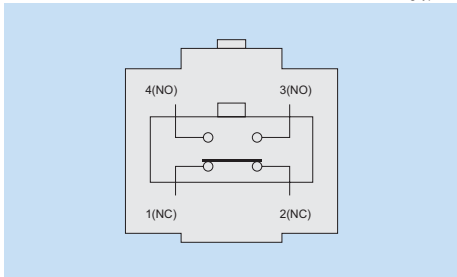


Type P, Q, W, V



YBLX-K1 Travel Switch

Contacting types



YBLX-K 1/□ 1 □

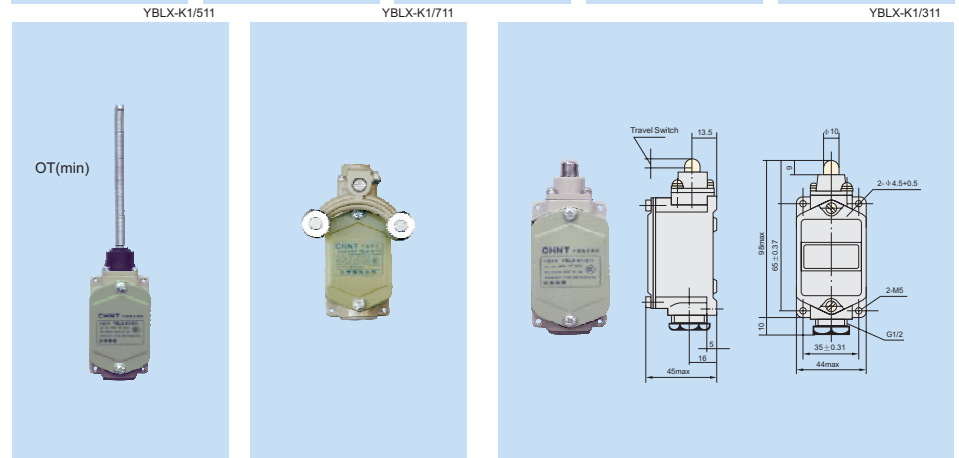
- Derivative code: M: enclosed type
- 1 NC contact
- 1 NO contact
- 1: single roller
- 2: double rollers
- 3: plunger type
- 4: plunger type with roller
- 5: free-directions type
- 6: Rear mounting of single roller
- 7: Rear mounting of double roller
- Design sequence number
- Fast operation
- Travel switch
- New product code

Model	Mode	Substitution model (production stopped)	
YBLX-K1/111	Automatic reset of single roller		
YBLX-K1/211	Non-automatic reset of double rollers		
YBLX-K1/311	Automatic reset of plunger	YBLX-25/311S	YBLX-25/311
YBLX-K1/411	Automatic reset of plunger roller	YBLX-25/411S	YBLX-25/411
YBLX-K1/511	Automatic reset of free-directions type	YBLX-25/511S	YBLX-25/511
YBLX-K1/611	Self-reset of rear mounted single roller	YBLX-25/611S	YBLX-25/611
YBLX-K1/711	Non-self-reset of rear mounted single roller	YBLX-25/711S	YBLX-25/711

Protection degree	IP62
Conventional heating current	5A
Rated voltage	AC 380V DC220V
Rated control capacity	AC 200VA DC50W
Operating frequency (operations/minute)	20
Lasting ratio of electrification	40%
Mechanical life (operations)	100x10 ⁴
Electric life (operations)	50x10 ⁴
Environmental temperature	-30℃~+40℃

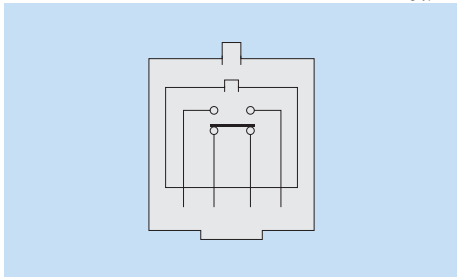
Relative humidity	≤85%(20℃)
Altitude level	≤1000m
Voltage withstands	Between terminals of same polarity (1140V)
	Between electrified components and earth (2500V)
Application range	Between terminals and un-electrified metal components (2500V)
	Automatic control of machine tool, restriction of operating structure operation or control of procedure
Standards	IEC60947-5-1

Operating performances	Model	YBLX-K1-111	YBLX-K1-211	YBLX-K1-311	YBLX-K1-411
OF(max)		10N	15N	20N	20N
		≤30°	≤45°	1~3mm	1~3mm
		≥30°	≥30°	≥2mm	≥2mm



YBLX-K2 Travel Switch

Contacting types



YB LX-K2 □ □ □ □

- 1 NC contact
- 1 NO contact
- 1: with single roller
- 2: with double roller
- 3: plunger type
- 4: plunger type with roller
- Design sequence number
- Fast operation
- Travel switch
- Improved product

Conventional heating current (A)	5A
Rated voltage (V)	AC 380V DC 220V
Rated control capacity	AC 100V/DC 30W
Operating frequency (operations/minute)	160
Mechanical life (operations)	1000 × 104
Environmental temperature	-25℃ ~ +40℃
Relative humidity	≤ 90%
Altitude	≤ 2500m
Voltage withstand	Between electrified components and the earth
	Between electrified components of the same polarity
Application range	Travel control and limitation protection in control circuits
Standard	IEC60947-5-1

Operating performances \ Model	YBLX-K2/001	YBLX-K2/101	YBLX-K2/111、131
OF(max)	6N	7N	7N
RF(min)	≥ 1.5N	≥ 1.5N	≥ 2N
PT(max)	2 ± 0.7mm	5 ± 0.7mm	15° ± 7°
MD(max)	≤ 1.5mm	≤ 1.5mm	≤ 1.5mm
OT(min)	≥ 2mm	≥ 2mm	≥ 15°

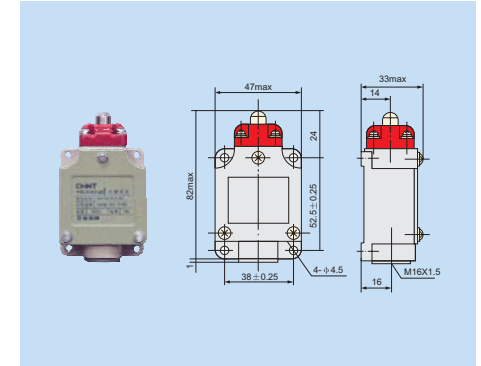
Model (recommended)	Operating mode	Substitution type (production stopped)	
YBLX-K2/111	Self-reset of single roller	YBLX-K2/121	YBLX-K2/131
YBLX-K2/211	Non-self-reset of single roller		
YBLX-K2/311	Self-reset of plunger type	YBLX-K2/001	
YBLX-K2/411	Non-self-reset of plunger roller type	YBLX-K2/101	



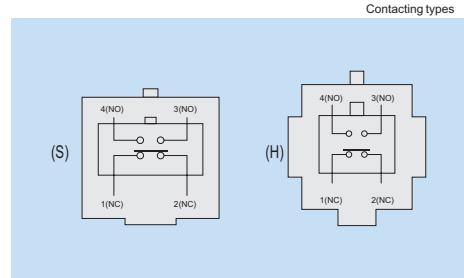
YBLX-K2/101, YBLX-K2/411



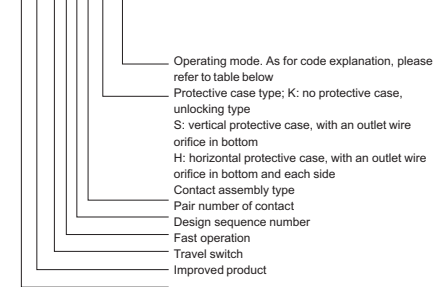
YBLX-K2/001, YBLX-K2/311



YBLX-K3 Travel Switch



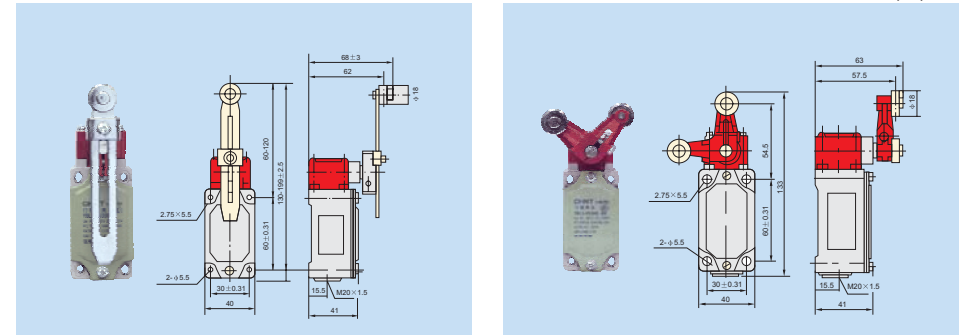
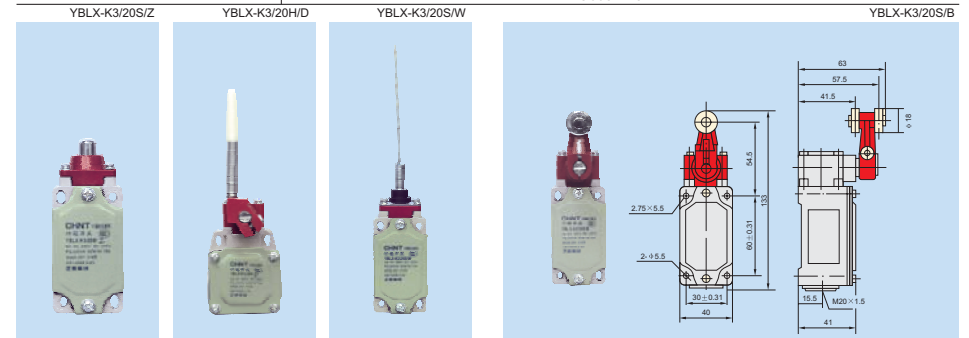
YB LX-K3/2 0 □/□



Symbol	Definition
Z	Plunger type
L	Plunger with roller type
B	Rotating arm with roller type
T	Adjustable rotating arm with roller type
D	Flexible rocker type
J	Adjustable metal rocker type
H1	Fork type with 2 rollers at same direction
H2	Fork type with the left roller forwardly and the right roller backwardly mounted
H3	Fork type with the right roller forwardly and the left roller backwardly mounted
W	Free-directions type

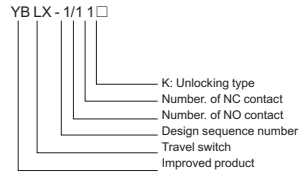
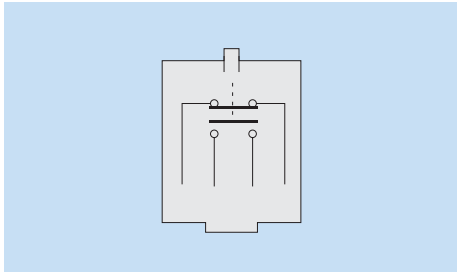
Operating performances	Model				
	YBLX-K3/20 ^H /Z YBLX-K3/20 ^S /L	YBLX-K3/20 ^H /B YBLX-K3/20 ^S /T YBLX-K3/20 ^S /J	YBLX-K3/20 ^H /D	YBLX-K3/20 ^H /H1 YBLX-K3/20 ^H /H2 YBLX-K3/20 ^S /H3	YBLX-K3/20 ^H /W
OF(max)	30N	0.3Nm	0.3Nm	0.2Nm	0.038Nm
RF(min)	5N	0.06Nm	0.03Nm	-	0.015Nm
PT(max)	3mm	30°	30°	80°	30°
MD(max)	1.2mm	15°	20°	60°	15°
TTP(max)	6.0mm	60°	50°	90°	-

Protection degree	IP65
Rated voltage (V)	AC 380V DC220V
Rated control capacity	AC 200VA DC50W
Operating frequency (operations/minute)	20
Mechanical life (operations)	Z, L, B, T, D, J: 1000X10 ⁴ H1, H2, H3, W: 600X10 ⁴
Electric life (operations)	AC 150X10 ⁴ DC 30X10 ⁴
Environmental temperature	-5℃~+40℃
Relative humidity	≤90%
Altitude	≤2000m
Voltage withstand	Between terminals of same polarity (AC 1140V) Between electrified components and earth (AC 2500V)
Application range	Manipulation, control, limit, signal, interlock in control circuits and auxiliary circuits. Its typical purpose is to control the AC and DC electromagnetic.
Standard	IEC60947-5-1



YBLX-1 Travel Switch

Contacting types



Conventional heating current (A)	5A
Rated voltage (V)	AC 380V DC220V
Rated control capacity	AC 200VA DC50W
Operating frequency(operations/minute)	3
Mechanical life (operations)	300x10 ⁴
Electric life (operations)	30x10 ⁴
Environmental temperature	-25℃~+40℃
Relative humidity	≤90%
Altitude	≤2500m
Operating travel	7 ± 2mm
Over Travel	≥1mm
Operating force	≤30N
Voltage withstands	Between terminals of the same polarity (1140V)
	Between electrified components and earth (2500V)
	Between terminals and un-electrified metal components (2500V)
Application range	To control travel of operating structure of which speed is no less than 0.1ms or to change its operating direction and speed
Standard	IEC60947-5-1

YBLX-1/01K



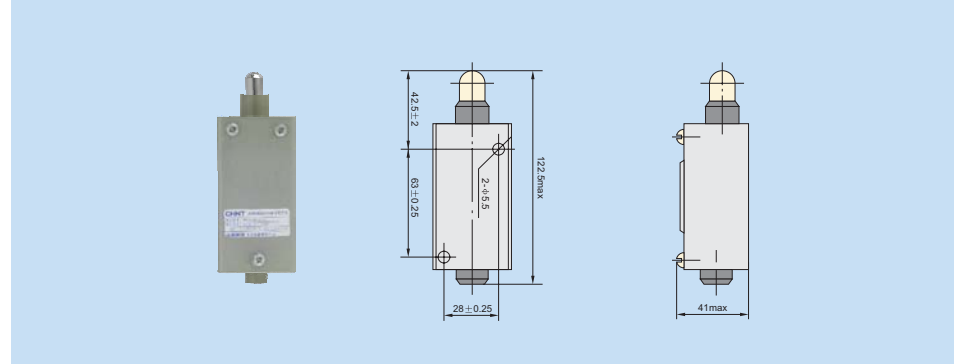
YBLX-1/02K



YBLX-1/11K

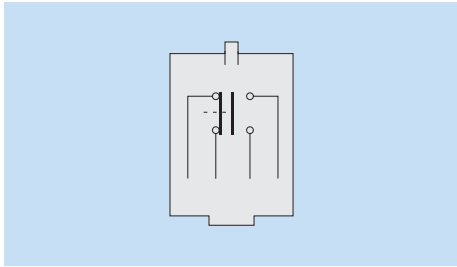


YBLX-1/11H



YBLX-2 Travel Switch

Contacting types

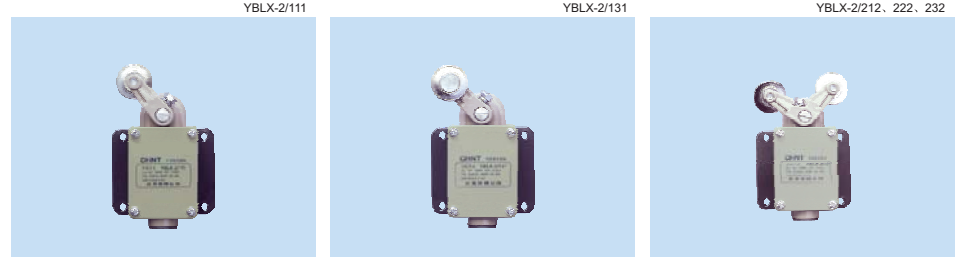


YBLX-2/□□□□

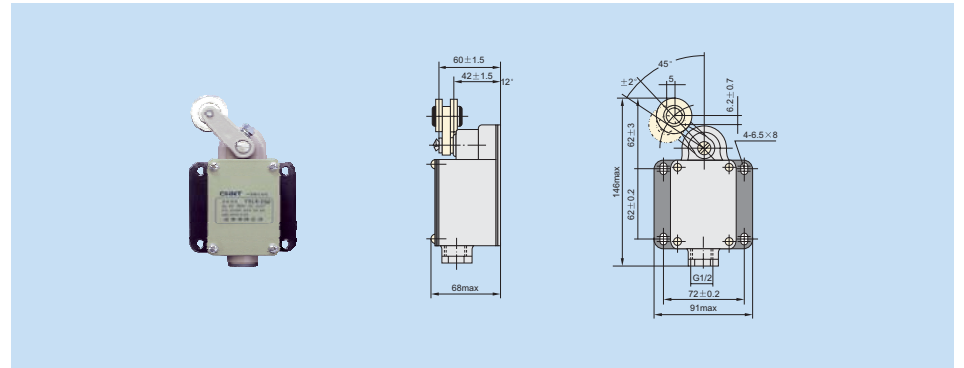
- A: modified structure
- 1: automatic reset
- 1: roller mounted in interior part
- 2: roller mounted in the middle part
- 3: roller mounted in exterior part
- 1: single roller; 2: double rollers.
- Design sequence number
- Travel switch
- Improvect product

Conventional heating current	5A
Rated voltage	AC 380V DC220V
Rated control capacity	AC 200VA DC50W
Operating frequency(operations/minute)	3
Mechanical life	300x10 ⁴
Electric life	30x10 ⁴
Environmental temperature	-25℃~+40℃
Relative humidity	≤90%
Altitude	≤2500m
Operating travel	12° ±20°
Over Travel	≥3°
Operating force	≤40N
Voltage withstands	Between terminals of the same polarity (1140V)
	Between electrified components and earth (2500V)
	Between terminals and un-electrified metal components (2500V)
Application range	Control travel of operating mechanism or change its moving direction or speed
Standard	IEC60947-5-1

Model	Structure and mounting of transmission
YBLX-2/111	1 roller mounted inside of "—" shape handspike
YBLX-2/121	1 roller mounted inside of the groove of "—" handspike
YBLX-2/131	1 roller mounted outside of "—" shape handspike
YBLX-2/222	2 roller mounted inside of "人" shape handspike
YBLX-2/232	2 rollers mounted on "人" shape handspike, with one inside and the other outside

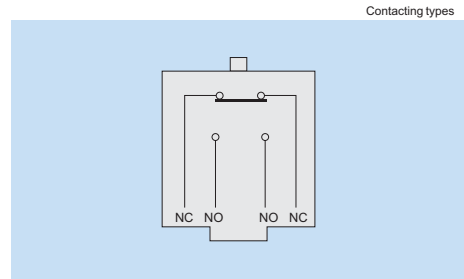


YBLX-2/121



YBLX-3 Travel Switch

YBLX-4 Travel Switch



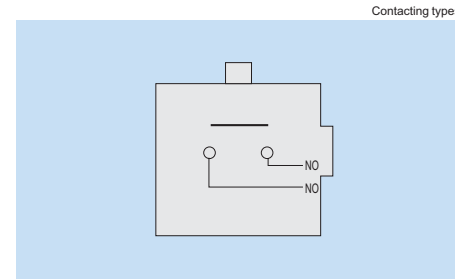
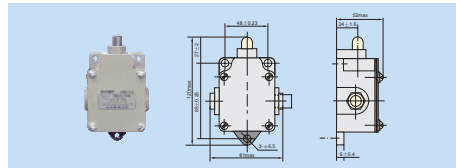
YB LX-3/1 1 □

- K: unlocking type
- No. of NC contact
- No. of NO contact
- Design sequence number.
- Travel switch
- Improved product

Conventional heating current	5A
Rated voltage	AC 380V DC220V
Rated control capacity	AC 300VA DC60W
Operating frequency(operations/minute)	3
Mechanical life(operations)	300x10 ⁴
Electric life(operations)	30x10 ⁴
Environmental temperature	-25℃~+40℃
Relative humidity	≤90%
Altitude	≤2500m
Operating travel	7±2N
Over Travel	≥1N
Operating force	≤30N
Voltage withstands	Between terminals of the same polarity (1140V)
	Between electrified components and earth (2500V)
	Between terminals and un-electrified metal components (2500V)
Application range	To control travel of operating structure of which speed is no less than 0.1 meter/min, or to change operating direction or speed.
Standard	IEC60947-5-1

YBLX-3/11K

YBLX-3/11H



YB LX-4/□ □ □

- S: with enclosure ring
- Number of controlled circuits
- Operating mode, refer to table below for definition of number
- Design sequence number
- Travel switch
- Improved product

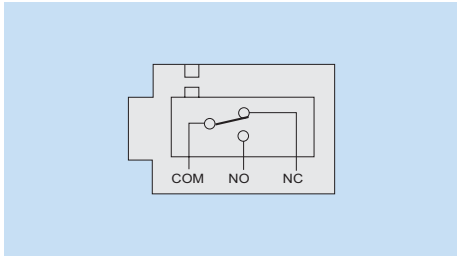
Conventional heating current (A)	20A
Rated voltage (V)	AC 380V DC220V
Rated control capacity	AC 1000VA DC180W
Operating frequency(operations/minute)	2.5
Altitude	≤1000m
Environmental temperature	-30℃~+40℃
Relative humidity	≤85%

Digital code	Operating mode	Applicable occasions
1	Operation of single arm with roller	Translating mechanism with normal inertial travel distance
2	Actuate 2 rotating positions of fork arm with roller	Translating units with large inertial travel distance
3	Actuate lever on-load with balanced hammer	Lifting units
4	Actuate 3 position-change-over devices with trinacri form arm	Translating units with 3 actuating positions
6	Actuate 2 position-change-over devices with roller-equipped double arms	Translating units with fast speed



YBLX-5 Travel Switch

Contacting types

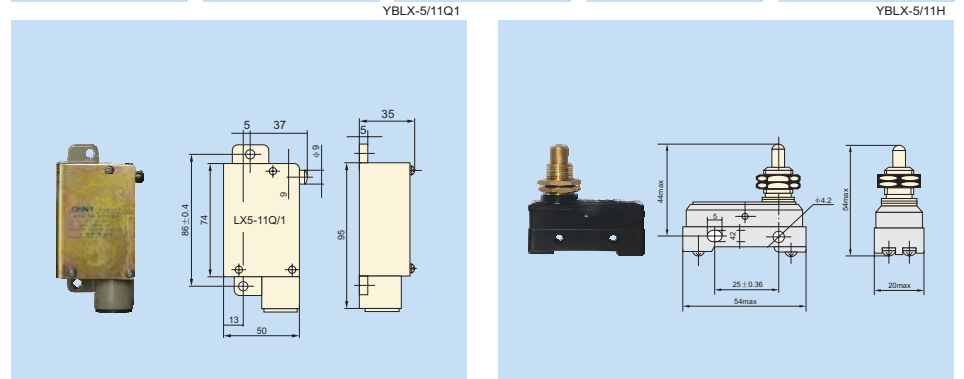


YBLX-5/□□□□

- Number of switch components mounted inside the case
- Y: connection through bolt, blank: connection through welding slice
- Transmission mode. Refer to the aside table for definition of letters
- Number. of NC contact
- Number. of NO contact
- Design sequence number
- Travel switch
- Improved product

Letter	Designation
D	Projecting button type
Q	Protective type
H	With buffering spring type
G1	Short lever transmission type
G2	Long lever transmission type
N1	Short lever with roller type
N2	Long lever with roller type
Blank: the common type	
Conventional heating current (A)	3A
Rated voltage (A)	AC 380V DC 220V
Rated control capacity	AC 100VA DC30W
Operating frequency(operations/minute)	40
Mechanical life (operations)	100 × 10 ⁴
Electric life (operations)	30 × 10 ⁴
Environmental temperature	-25℃~+40℃
Altitude	≤2500m
Voltage withstands	Between electrified components and earth (2500V)
	Between electrified components of different polarity (1140V)
Application range	Applied in control circuits to control the travel
Standards	IEC60947-5-1

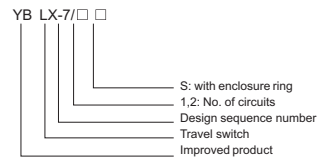
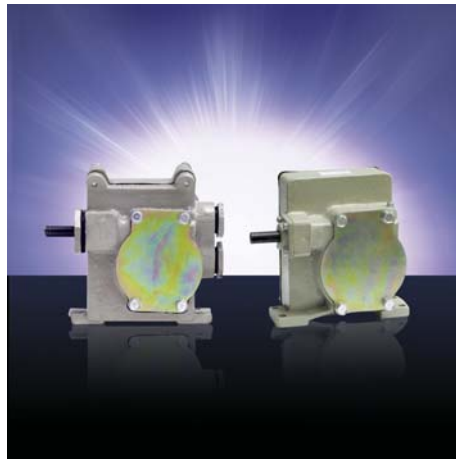
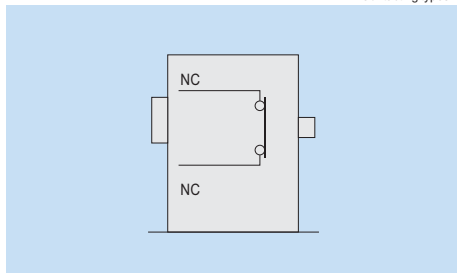
Model	OF	RF	OT
YBLX-5/11	≤7N	≥1N	
YBLX-5/11Y	≤7N	≥1N	≥0.2mm
YBLX-5/11D	≤7N	≥1N	
YBLX-5/11DY	≤7N	≥1N	≥1.5mm
YBLX-5/11H	≤7N	≥1N	
YBLX-5/11HY	≤7N	≥1N	≥3.5mm
YBLX-5/11N1	≤3N	≥0.5N	
YBLX-5/11N2	≤2.5N	≥0.5N	≥1mm
YBLX-5/11G1	≤3N	≥0.5N	
YBLX-5/11G2	≤2.5N	≥0.5N	≥1mm
YBLX-5/11Q/1	≤3N	≥5N	



YBLX-7 Travel Switch

YBLX-10 Travel Switch

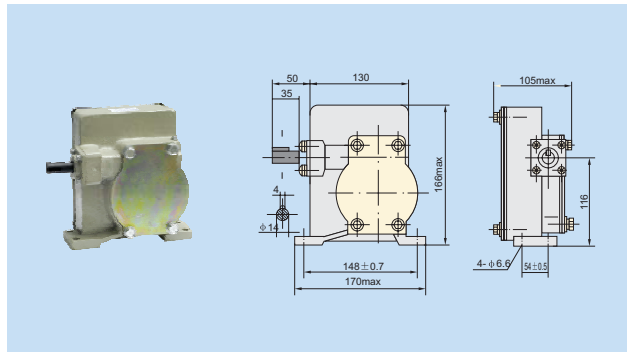
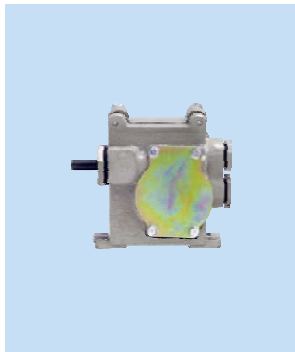
Contacting types



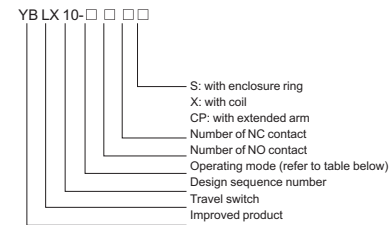
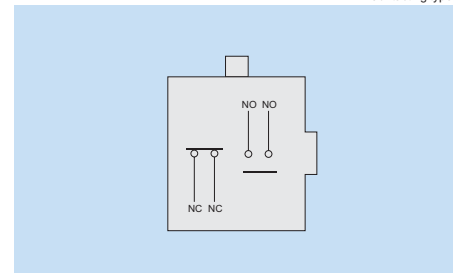
Rated heating current	20A	
Rated voltage	AC 380V DC220V	
Rated control capacity	AC 1500VA DC120W	
Making current	100A	
Transmission ratio	1: 50, 1: 100	
Number of circuits	LX7-1, LX7-1S	1
	LX7-2, LX7-2S	2
Application range	Limitation on lifting mechanism travel of crane, terminal switch of automatic system or electric dragging device	
Standards	IEC60947-5-1	

YBLX-7/2, YBLX-7/2S

YBLX-7/1, YBLX-7/1S



Contacting types



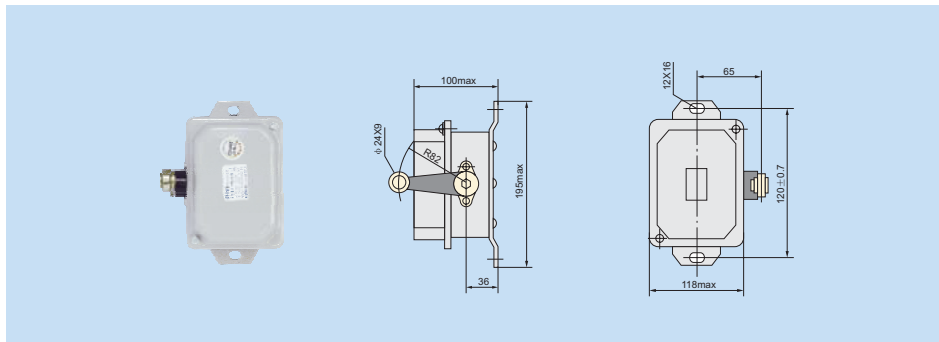
Number code	Operating mode
1	Operating arm with single roller
2	Fork type operating arm with double rollers
3	Operating arm through on-load hammer
4	Trinacriform operating arm
5	Rocker arm with roller through hammer
6	With 2 operating arms on both two sides of the case
7	Actuating arm with single roller
8	Actuating arm without roller

Conventional heating current	10A
Rated voltage	AC 380V DC 220V
Rated control capacity	AC 1000VA DC 200W
Operating frequency(operations/munite)	6
Environmental temperature	-25℃~+40℃
Relative humidity	≤85%
Altitude level	≤1000m
Application range	Terminal protection of mechanism travel in control circuits
Standards	IEC60947-5-1

Model	Purpose
YBLX-10/11、12、11S、12S	For transmission mechanism with large inertial travel distance
YBLX-10/21、22、21S、22S	For transmission mechanism with large inertial travel distance
YBLX-10/31、32、31S、32S	For limit the travel of lifting mechanism
YBLX-10/41、42、41S、42S	For transmission mechanism with 3 operating positions
YBLX-10/51、52、51S、52S	For transmission mechanism with normal speed
YBLX-10/61、62、61S、62S	For transmission mechanism with fast speed

Model (Recommended)	Operating mode	Number of NO contact	Number of NC contact	Substitution model (production stopped)			
YBLX-10/710	Actuating arm with single roller	1	0	LX-6/10	YBLX-6/10		
YBLX-10/701	Actuating arm with single roller (extended arm)	0	1	LX-6/01	YBLX-6/01		
YBLX-10/710CP	Actuating arm with single roller (extended arm)	1	0	LX-6/10CP	YBLX-6/10CP		
YBLX-10/701CP	Actuating arm with single roller (extended arm)	0	1	LX-6/01CP	YBLX-6/01CP		
YBLX-10/811	Actuating arm without roller, without coil	1	1	LX-8/1	YBLX-8/1	LX-8/2	LX-8/3
YBLX-10/811X	Actuating arm without roller, without coil	1	1	LX-8/5	YBLX-8/5	LX-8/6	YBLX-8/6

YBLX-10/11、YBLX-10/12



YBLX-10/11S、YBLX-10/12S

YBLX-10/21、YBLX-10/22

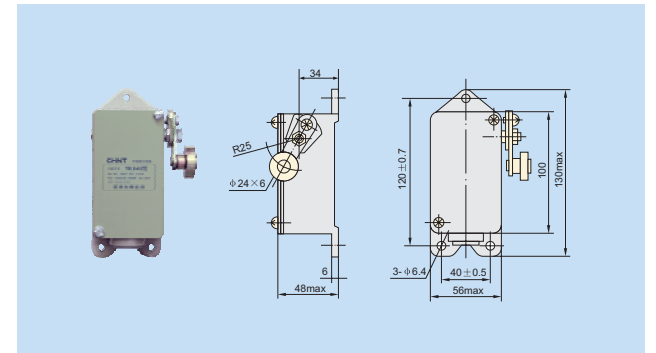
YBLX-10/31、YBLX-10/32



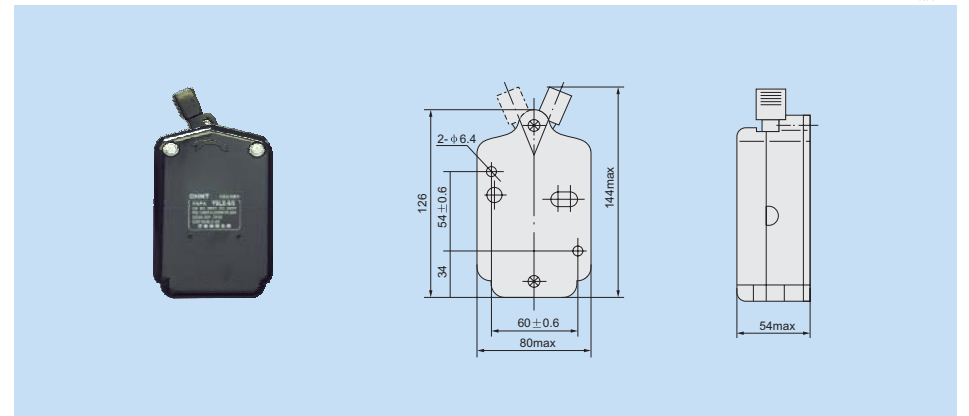
YBLX-10/710、YBLX-10/701



YBLX-10/710CP、YBLX-10/701CP



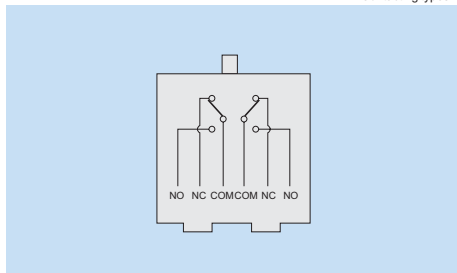
YBLX-10/811



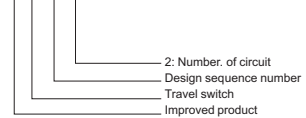
YBLX-12 Travel Switch

YBLX-19 Travel Switch

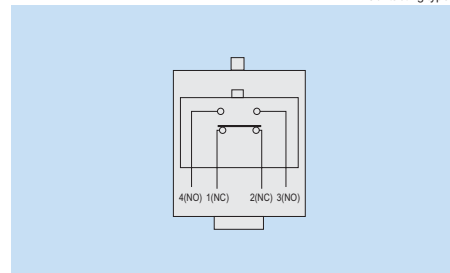
Contacting types



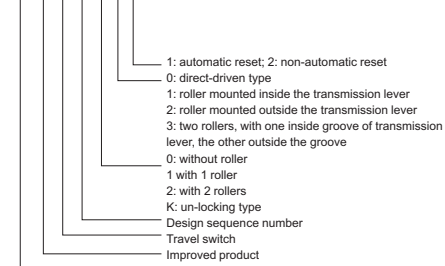
YB LX-12/□



Contacting types



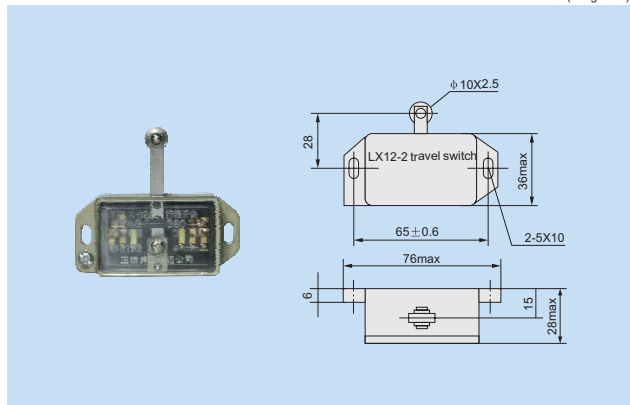
YB LX-19/□□□□



AC rated voltage	380V
Conventional heating current	3A
PT	≤4mm
Rated operational power	100VA
OT	≧1mm
OF	≤9.8N
RF	≧2.45N
Standard	IEC60947-5-1

YBLX-12/2

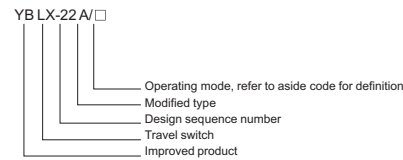
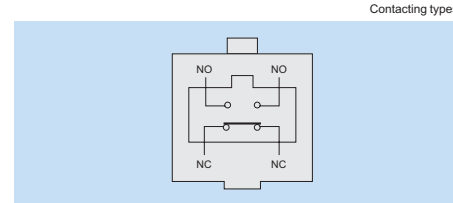
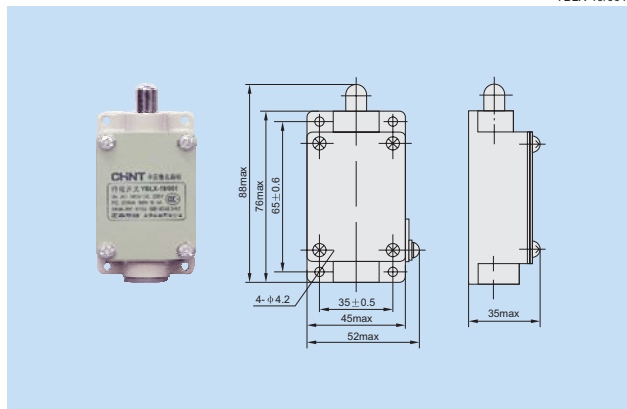
YBLX-12/2(Long lever)



Protection degree	IP62
Conventional heating current	5A
Rated voltage	AC 380V DC220V
Rated control capacity	AC 200VA DC50W
Operating frequency(operations minute)	20
Lasting ratio of electrification	40%
Mechanical life (operations)	100x10 ⁴
Electric life (operations)	30x10 ⁴
Environmental temperature	-25℃~+40℃
Relative humidity	≤90%(20℃)
Altitude level	≤2500m
Voltage withstand	Between terminals of the same polarity (1140V)
	Between electrified components and earth (2500V)
	Between terminals and un-electrified metal components (2500V)
Application range	It is applied to control travel of operating mechanism, or to change its moving direction and speed
Standard	IEC60947-5-1

YBLX-22A Travel Switch

Operating performances	Model	YBLX-19/K	YBLX-19/001	YBLX-19/111 YBLX-19/121 YBLX-19/131	YBLX-19/212 YBLX-19/222 YBLX-19/232
	OF(max)		10N	15N	20N
RF(min)		1N	1.5N	2.5N	
PT(max)		1.5-3.5mm	1.5-4.0mm	30°	60°
MD(max)		3mm	3.5mm	25°	
OT(min)		0.5mm	3mm	15°	15°

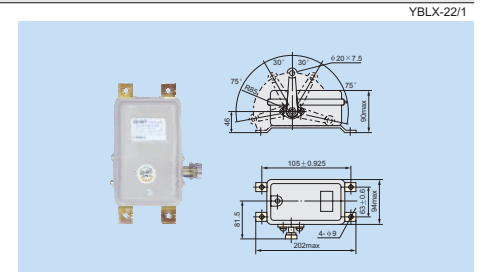


Number code	Operating mode
1	Single arm with roller
2	"Fork" type arm with double rollers
4	Hammer type



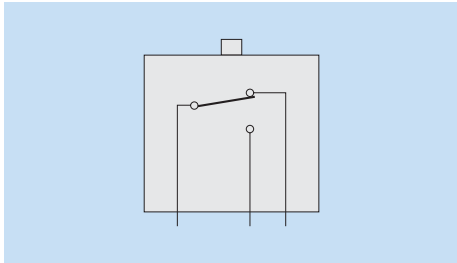
Protection degree	IP44
Conventional heating current	20A
Rated voltage	AC 380V DC220V
Rated control capacity	AC 500VA DC120W
Altitude	≤1000m
Environmental temperature	-25℃~+40℃
Relative humidity	≤80%
Application range	Limit travel of lift and all kinds of machinery
Standard	IEC60947-5-1

Model	Purpose
YBLX-22A-1	Single arm with roller, for transmission mechanism with normal inertial travel distance
YBLX-22A-2	Fork type arm with double rollers, for transmission mechanism with large inertial travel distance
YBLX-22A-3	Hammer type, for lifting mechanism



YBLX-29 Travel Switch

Contacting types

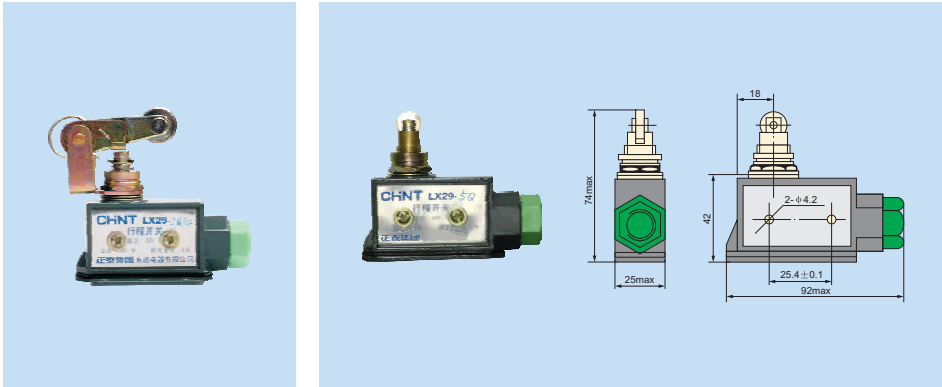


- YB LX-29 □ □
- Number code
 - 1: down-lead of connection board, 2: short lever,
 - 3: long lever, 4: front mounting
 - Letter code: "H" buffer, "Q" dust-proof
 - Operating mode, refer to aside table for designations
 - Design sequence number
 - Travel switch
 - Improved product

Number code	Operating mode
1	Plunger type
2	Single arm with roller
3	Two sections roller type
4	High plunger type
5	Roller plunger type
6	Lever type
7	Roller lever type

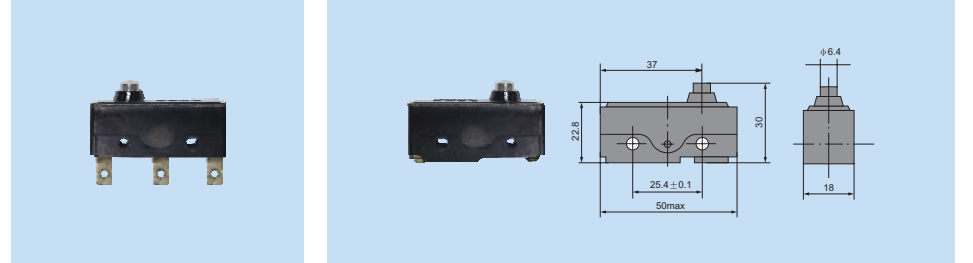
YBLX-29/2Q/4

YBLX-29/5Q



YBLX-29/1/1

YBLX-29/1H



YBLX-29/5/5

YBLX-29/7/2

YBLX-29/7/3

YBLX-29/4S/4

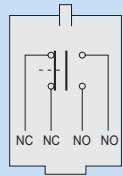
YBLX-29/2S



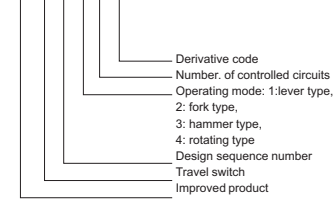
Model	Mode	OF	RF	PT	OT	MT
YBLX-29-1, YBLX-29-1/1	Plunger type	≤4	≥11N	≤0.5mm	≥0.15mm	≤1.5mm
YBLX-29-1H, YBLX-29-1H/1	Plunger type, buffering	≤4	≥11N	≤0.7mm	≥1.5mm	≤0.15mm
YBLX-29-2Q, YBLX-29-2Q/4	Single arm with roller, dustproof	≤8	≥3N	≤2mm	≥8mm	≤0.4mm
YBLX-29-2S, YBLX-29-2S/4	Single arm with roller, waterproof	≤12	≥3N	≤2mm	≥8mm	≤0.4mm
YBLX-29-3Q, YBLX-29-3Q/4	With two sections of roller, dustproof	≤8	≥3N	≤2mm	≥8mm	≤0.4mm
YBLX-29-3S, YBLX-29-3S/4	With two sections of roller, waterproof	≤12	≥3N	≤2mm	≥8mm	≤0.4mm
YBLX-29-4Q, YBLX-29-4Q/4	Projecting plunger type, dustproof	≤4	≥11N	≤1mm	≥4.8mm	≤0.15mm
YBLX-29-4S, YBLX-29-4S/4	Projecting plunger type, waterproof	≤8	≥3N	≤1mm	≥4.5mm	≤0.3mm
YBLX-29-4/5, YBLX-29-4/5	Projecting plunger type	≤4	≥11N	≤1mm	≥4.5mm	≤0.15mm
YBLX-29-5Q, YBLX-29-5Q/4	Plunger with roller, dustproof	≤4	≥11N	≤1mm	≥4.5mm	≤0.15mm
YBLX-29-5/5, YBLX-29-5/5	Plunger with roller	≤4	≥11N	≤1mm	≥4.5mm	≤0.15mm
YBLX-29-6/2, YBLX-29-6/2	Short lever type	≤2	≥4N	≤1.5mm	≥3.7mm	≤1.2mm
YBLX-29-6/3, YBLX-29-6/3	Long lever type	≤1	≥2N	≤3mm	≥6mm	≤2.4mm
YBLX-29-7/2, YBLX-29-7/2	Short lever with roller	≤2	≥4N	≤1.5mm	≥3.7mm	≤1.2mm
YBLX-29-7/3, YBLX-29-7/3	Long lever with roller	≤1	≥2N	≤3mm	≥6mm	≤2.4mm

YBLX-33 Travel Switch

Contacting types

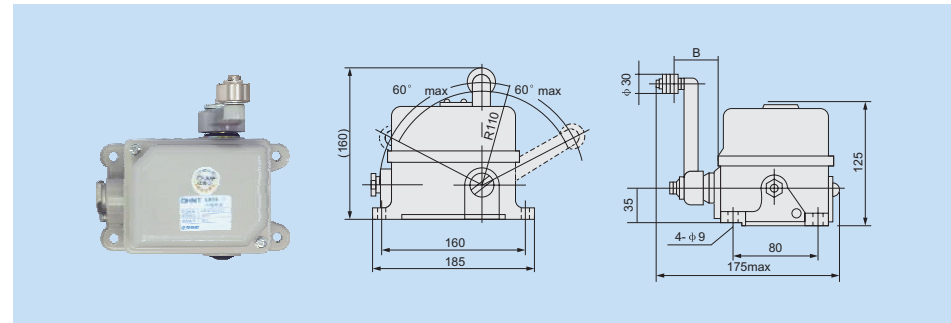


YB LX-33/□□□□

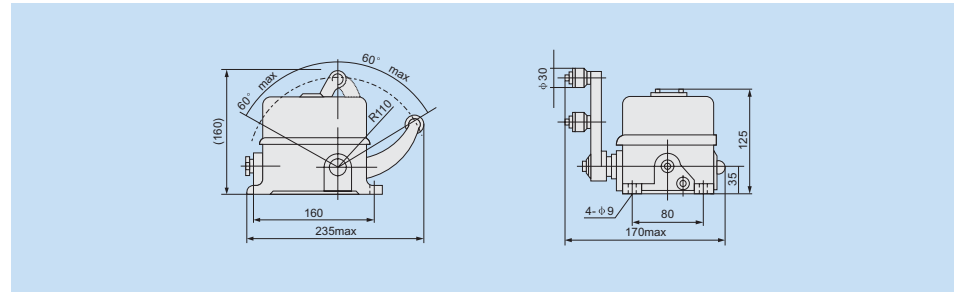


Protection degree	IP44
Conventional heating current (A)	20A
Rated voltage (V)	AC 380V DC220V
Rated control capacity	AC 720VA DC69W
Mechanical life (operations)	100 × 10 ⁴
Environmental temperature	-25℃~+40℃
Relative humidity	≤ 90%
Application range	Travel limitation and terminal protect of lift's horizontal moving mechanism and rising moving in control circuits
Standard	IEC60947-5-1

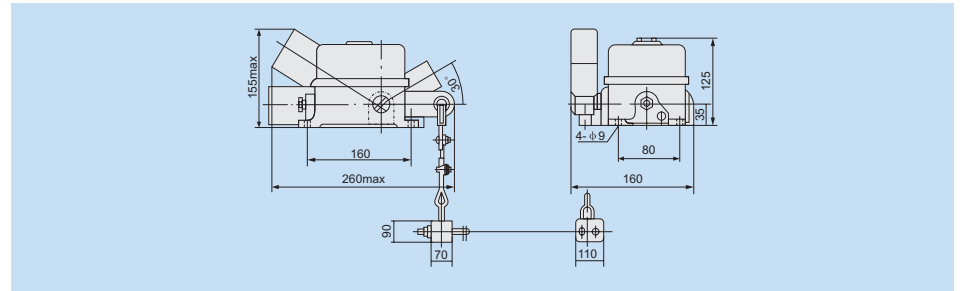
YBLX-33/11、YBLX-33/12



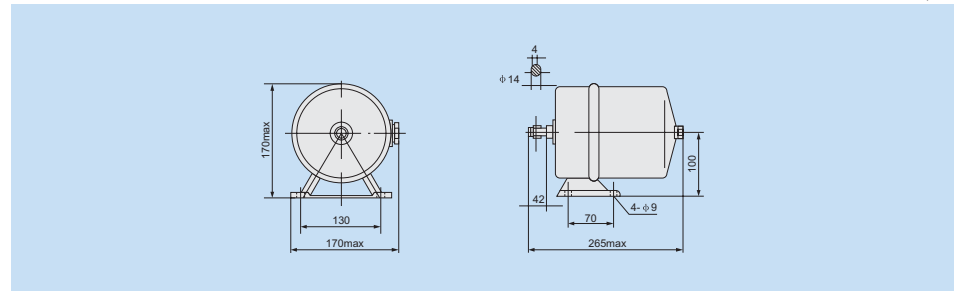
YBLX-33/21、YBLX-33/22



YBLX-33/31、32

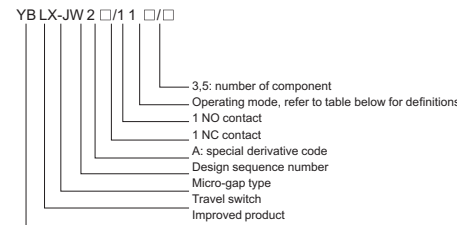
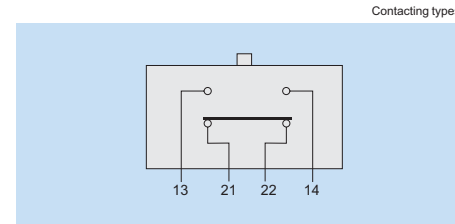
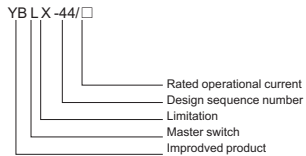
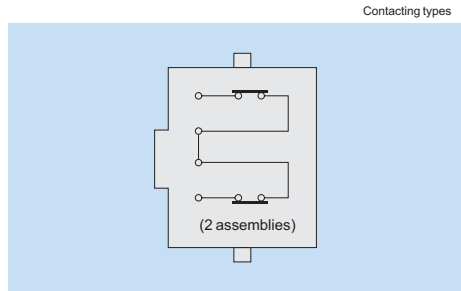


YBLX-33/41、42



YBLX-44 Breaking Limitor

YBLX-JW2、JBLW-JW2B Travel Switch

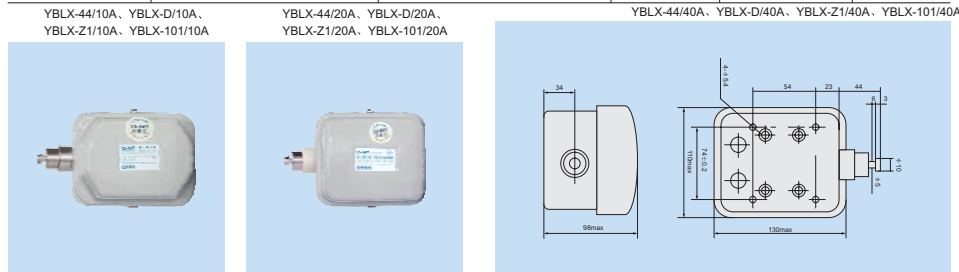


Protection degree	IP44
Rated operational voltage	AC 380V DC220V
Environmental temperature	-25℃~+40℃
Relative humidity	≤85%
Altitude	≤1500m
Application range	CD1, MD1 type of 0.5~10 ton normally apply on cable type electric block to realize limitation protection of lifting & falling movement, and can direct break the main circuit.

Letter code	Operating mode
W1	Drive of roller
W2	Horizontally-driven type
L	Roller direct driven type
G	Roller & lever transmission type
Z	Combination type
H	Protection type
B	Simple protection type

Model	Rated operational current	Max. Power of controllable motor	OT	Allowable OT	OP
YBLX-44/3	3A	1.5kW	≤8mm	≥1mm	≤15N
YBLX-44/10	10A	4.5kW	6~8mm	≤3mm	≤30N
YBLX-44/20	20A	7.5kW	8~10mm	≤3mm	≤50N
YBLX-44/40	40A	13kW	12~14mm	≤3mm	≤100N

Protection degree	IP65
Rated voltage	AC 220V DC220V
Rated control capacity	AC220VA DC30W
Mechanical life (operations)	AC220V 60X10 ⁴ DC24V 20X10 ⁴
Electric life(operations)	100X10 ⁴
Operating frequency (operations/minute)	AC 40 DC 20
Altitude	≤2500m
Environmental temperature	-25℃~+40℃
Relative humidity	≤90%
Voltage withstand	Between electrified components and the earth (2500V) Between electrified components of the same polarity (2500V) Between electrified components of the different polarity (1140V)
Application range	Control travel of operating mechanism or change its direction & speed
Standard	IEC60947-5-1



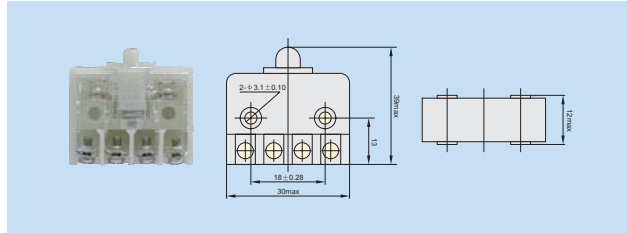
YBLX-X2 Travel Switch

Model	YBLX-JW2/11	YBLX-JW2/11Z/3	YBLX-JW2/11Z/5	YBLX-JW2/11B
Operating performances				
OF(max)	3.5N	7N	7N	7N
RF(min)	≥0.8N	≥35N	≥35N	≥35N
PT(max)	2±1kg	3±1kg	3±1kg	3±1kg
MD(max)	≤2mm	≤3mm	≤3mm	≤3mm
OT min)	≥0.5mm	≥2mm	≥2mm	≥2mm
Open-distance of contact	≥0.6mm	≥0.6mm	≥0.6mm	≥0.6mm

Model	YBLX-JW2A/11	YBLX-JW2A/11H/W2	YBLX-JW2A/11H/W1	YBLX-JW2A/11H/G	YBLX-JW2A/11H/L
Operating performances					
OF(max)	3.5N	10N	10N	8N	10N
RF(min)	≥0.8N	≥3N	≥3N	≥1N	≥3N
PT(max)	2±1kg	≤5kg	≤5kg	≤6kg	≤5kg
MD(max)	≤2mm	≤4mm	≤4mm	≤5mm	≤4mm
OT min)	≥0.5mm	≥1.2mm	≥2mm	≥2mm	≥2mm
Open-distance of contact	≥0.6mm	≥0.6mm	≥0.6mm	≥0.6mm	≥0.6mm

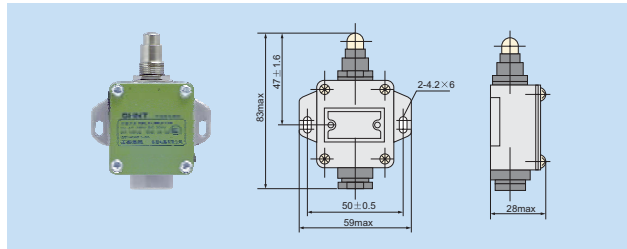
YBLX-JW2/11B

YBLX-JW2/11



YBLX-JW2/11H/G

YBLX-JW2/11H/W1



YBLX-JW2/11H/W2

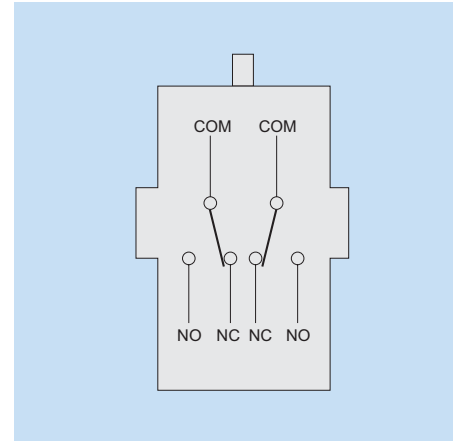
YBLX-JW2/11Z/3

YBLX-JW2/11Z/5

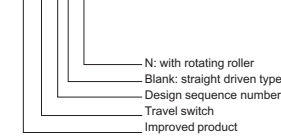
YBLX-JW2/11H/LTH



Contacting types



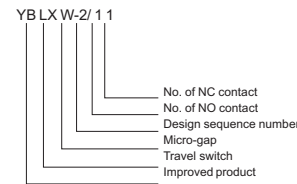
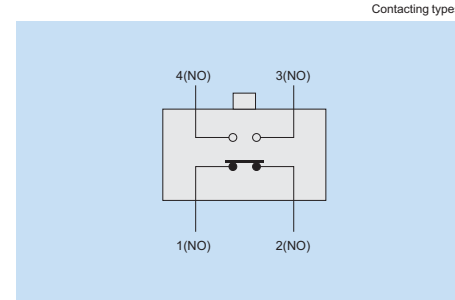
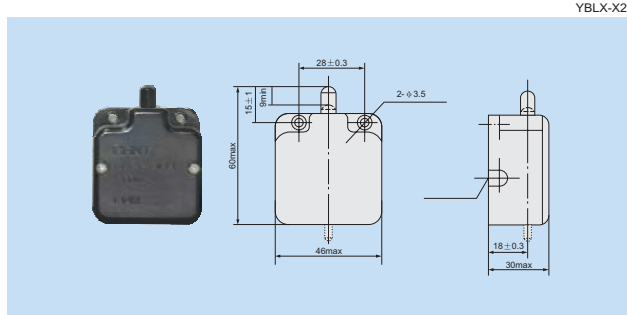
YBLX-X 2/□



Conventional heating current (A)	2A
Rated voltage (V)	AC 380V DC220V
Number of NO contact	2 pairs
Number of NC contact	2 pairs
Altitude	≤1000m
Environment temperature	-25 C~+40 C
Relative humidity	≤85%
Mechanical life (operations)	100 × 10 ⁴
Electric life (operations)	30 × 10 ⁴
Voltage withstands	Between terminals of the same polarity (1140V)
	Between electrified components and earth (2500V)
	Between terminals and un-electrified metal components (2500V)
Contacts exchange time	≤20ms
Application range	Travel control and limitation
Standard	IEC60947-5-1

YBLXW-2 Micro-gap Switch

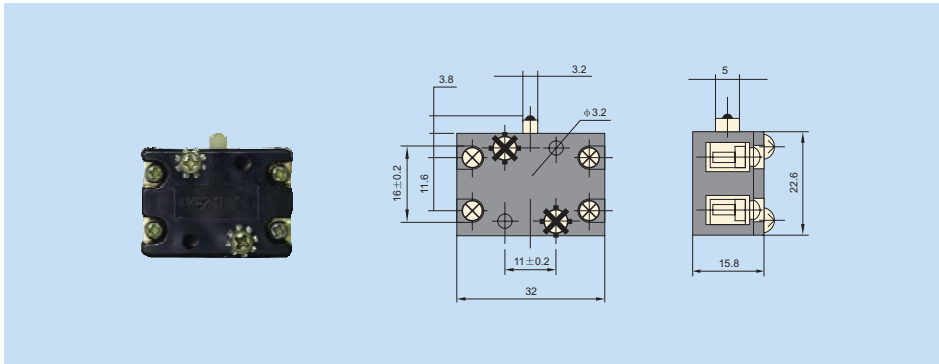
Model	YBLX-X2	YBLX-X2-N
Operating performances		
OF(max)	≤15N	≤15N
PT(max)	≤8mm	≤7mm
Limit travel	≥9mm	≥8mm



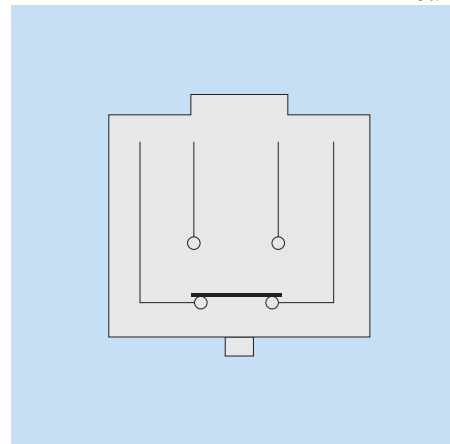
Conventional heating current	5A
Rated voltage	AC 380V DC 220V
Rated current	AC 0.79A
	DC 0.14A
Rated control capacity	AC 300VA DC 30W
Mechanical life(operations)	100 × 10 ⁴
Electric life(operations)	30 × 10 ⁴
Operating frequency(operations minute)	40
Environmental temperature	-5℃~+40℃
Relative humidity	≤90% (20℃)
Altitude	≤2000m
Electric clearance	≥2.5mm
Creepage distance	≥3mm
Voltage withstands	Between electrified components and the earth (2500V)
	Between electrified components of different polarity (1140V)
Operating travel	1.8mm
OT	≥0.2mm
MD	≥1.6mm
OF	≤5N
RF	≤0.7N
Application range	Travel control, limitation protection, etc
Standard	IEC 60947-5-1

YBLXW-3 Micro-gap Switch

YBLXW-2/11



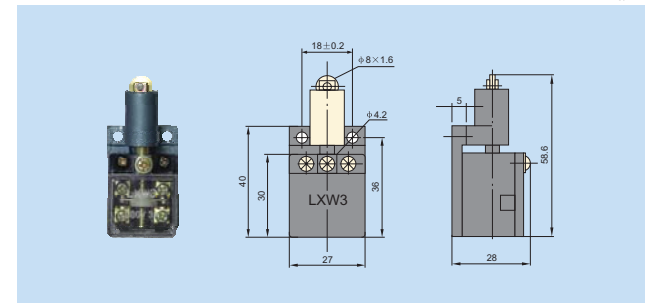
Contacting types



YBLXW-3

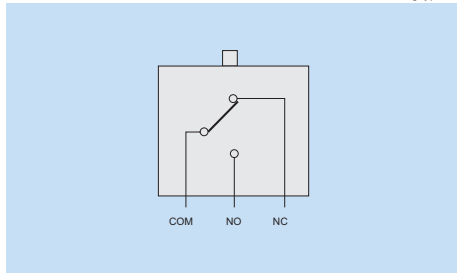


YBLXW-3/N



YBLXW-5/11 Micro-gap Switch

Contacting types



YBLXW-5/11 □□

- : L: with large current
- : FL: protective type with large current e
- : Operating mode; refer to aside table for definition of the code
- : 1 NC contact
- : 1 NO contact
- : Design sequence number
- : Micro-gap
- : Travel switch
- : Improved product

Protection degree	IP62	
Mechanical life(operations)	100 × 10 ⁴	
Electric life(operations)	30 × 10 ⁴	
Operating frequency (operations/minute)	Mechanical: 240	
	Electric: 20	
Load	Normal type	AC 380V 0.79A
		DC 220V 0.14A
	Large current type	AC 660V 1.5A
		DC 220V 0.45A
Operating speed	0.1mm/s~0.5mm/s	
Insulation resistance	≥100m Ω (DC500)	
Contacting resistance	≤15m Ω (initial value)	
Environmental temperature	-5℃~+40℃	
Relative humidity	≤90% (20℃)	
Altitude	≤2000m	
Voltage withstands	Between terminals of the same polarity (1140V)	
	Between electrified metal components and the earth (2500V)	
	Between terminals and un-electrified components (2500V)	
Application range	Travel control, limitation protection, and interlocking of various equipments of mechanic, textile, and electric apparatus.	
Standards	IEC60947-5-1	

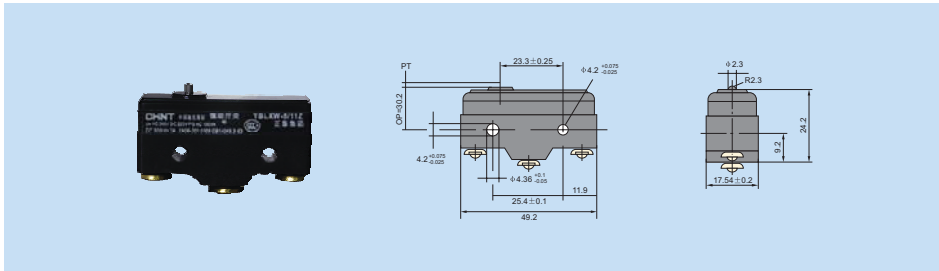
Model	Operating mode
YBLXW-5/11Z	Plunger type with handspike
YBLXW-5/11N1	Compression handspike type
YBLXW-5/GL2	Roller compression columnar type
YBLXW-5/11GS	Thin handspike columnar type
YBLXW-5/11D1	Short spring plunger type
YBLXW-5/11M	Panel mounted plunger type
YBLXW-5/11Q1	Panel mounted plunger type with roller
YBLXW-5/11Q2	Panel mounted plunger type with horizontal roller
YBLXW-5/11N1	Gemel lever type
YBLXW-5/11G1	Gemel long lever type with roller
YBLXW-5/11G2277	Gemel long lever with one-way roller
YBLXW-5/11G2	Gemel lever type with roller

Voltage	Current						
	Heater loading		Incandescence lamp loading		Screw coil loading of motor and relay		
	Breaking	Making	Breaking	Making	Breaking	Making	
AC	127V	15A	15A	1.5A	3.0A	15A	15A
	220V	15A	15A	1.25A	2.5A	15A	15A
	380V	3A	3A	0.75A	1.0A	2.5A	2.5A
	660V	2A	2A	0.50A	0.8A	1.5A	1.5A
DC	24V	10A	10A	1.5A	3.0A	10A	10A
	110V	0.6A	0.6A	0.6A	0.6A	0.1A	0.1A
	220V	0.3A	0.3A	0.3A	0.3A	0.05A	0.05A

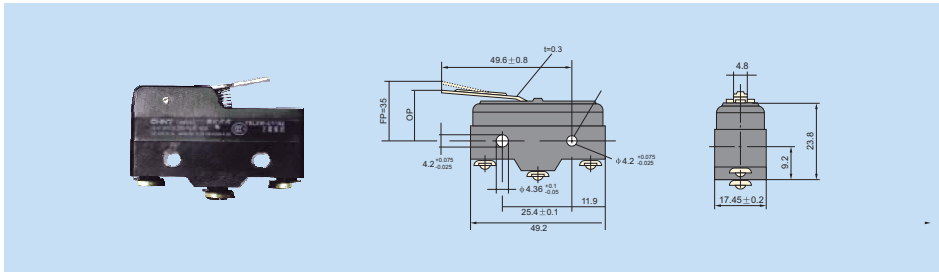
Operating performances	Model	YBLXW-5/11Z YBLXW-5/11Z/F YBLXW-5/11Z/L YBLXW-5/11Z/FL Z-15G	YBLXW-5/11D1 YBLXW-5/11D1/F YBLXW-5/11D1/L YBLXW-5/11D1/FL Z-15GD	YBLXW-5/11M YBLXW-5/11M/F YBLXW-5/11M/L YBLXW-5/11M/FL Z-15GQ	YBLXW-5/11Q1 YBLXW-5/11Q1/F YBLXW-5/11Q1/L YBLXW-5/11Q1/FL Z-15GQ22	YBLXW-5/11Q2 YBLXW-5/11Q2/F YBLXW-5/11Q2/L YBLXW-5/11Q2/FL Z-15GQ21
	OF	2-3.8N	2-3.8N	2-3.8N	2-3.8N	2-3.8N
RF(Max)	1N	1N	1N	1N	1N	
Repeat precision error	±0.03mm	±0.05mm	±0.03mm	±0.05mm	±0.03mm	
PT(Operating travel)	≤1.8mm	≤1.8mm	≤1.8mm	≤1.8mm	≤1.8mm	
OT	≥0.13mm	≥1.6mm	≥5.5mm	≥3.5mm	≥3.5mm	

Operating performances	Model	YBLXW-5/11N YBLXW-5/11N1/F YBLXW-5/11N1/L YBLXW-5/11N1/FL Z-15GW	YBLXW-5/11N2 YBLXW-5/11N2/F YBLXW-5/11N2/L YBLXW-5/11N2/FL Z-15GL	YBLXW-5/11G1 YBLXW-5/11G1/F YBLXW-5/11G1/L YBLXW-5/11G1/FL Z-15GW22	YBLXW-5/11G2 YBLXW-5/11G2/F YBLXW-5/11G2/L YBLXW-5/11G2/FL Z-15GW2	YBLXW-5/11G3 YBLXW-5/11G3/F YBLXW-5/11G3/L YBLXW-5/11G3/FL
	OF	0.3-0.8N	0.5-1N	0.35-0.85N	0.8-1.6N	0.4-0.9N
RF(Max)	0.15N	0.25N	0.15N	0.25N	0.2N	
Repeat precision error	±0.05mm	±0.05mm	±0.05mm	±0.05mm	±0.03mm	
PT(Operating travel)	≤10mm	≤6.6mm	≤7.1mm	≤2.7mm	≤6mm	
OT	≥5.6mm	≥2mm	≥3mm	≥4mm	≥2.4mm	

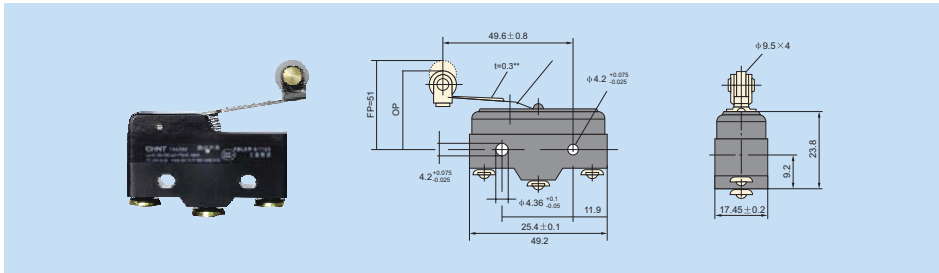
YBLXW-5/11Z, YBLXW-5/11Z/L



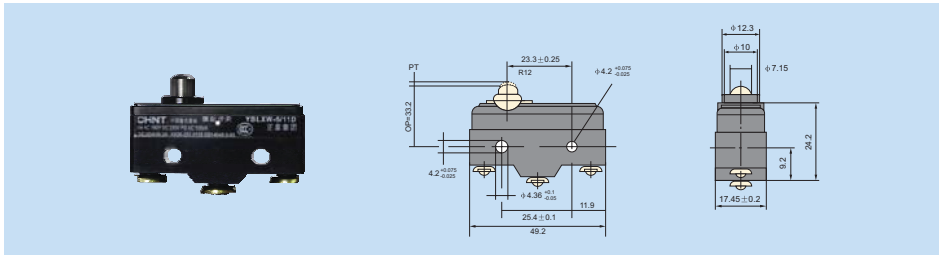
YBLXW-5/11N2, YBLXW-5/11N2/L



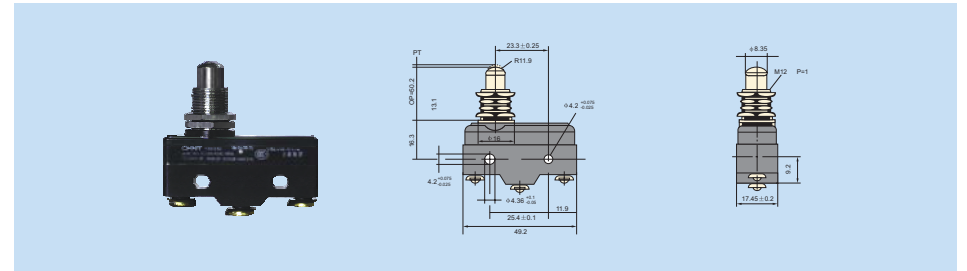
YBLXW-5/11G3, YBLXW-5/11G3/L



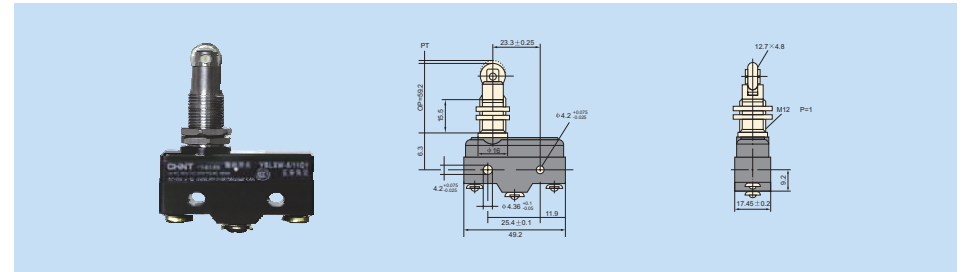
YBLXW-5/11D1, YBLXW-5/11D1/L



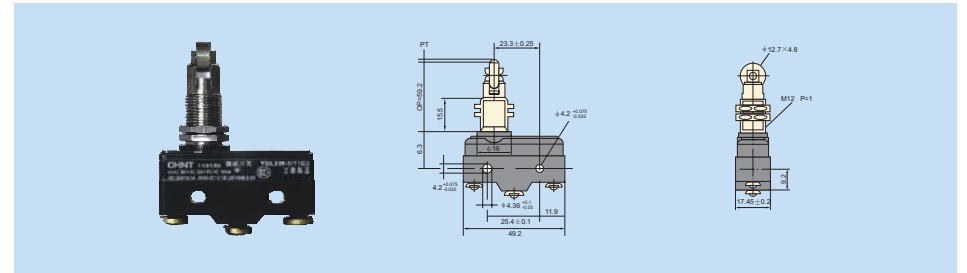
YBLXW-5/11M, YBLXW-5/11M/L



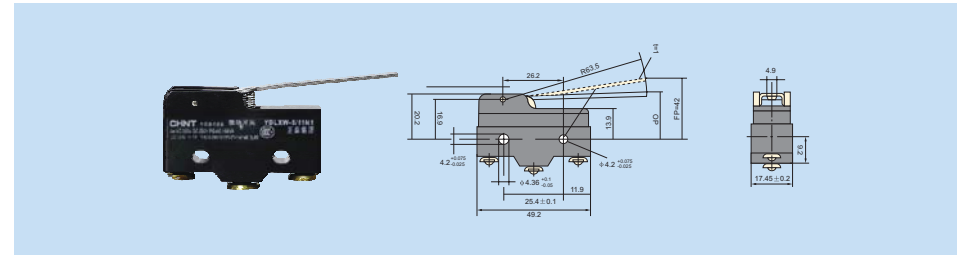
YBLXW-5/11Q1, YBLXW-5/11Q1/L



YBLXW-5/11Q2, YBLXW-5/11Q2/L

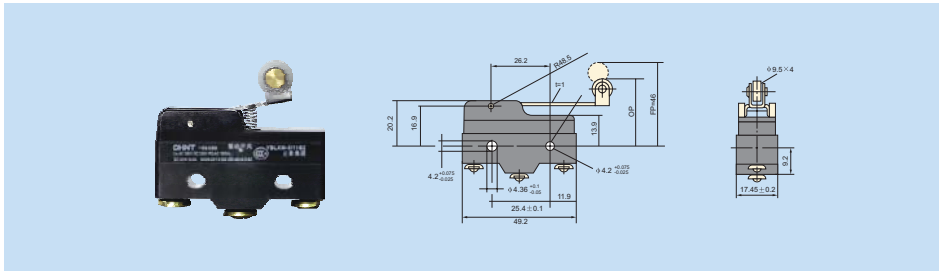


YBLXW-5/11N1, YBLXW-5/11N1/L

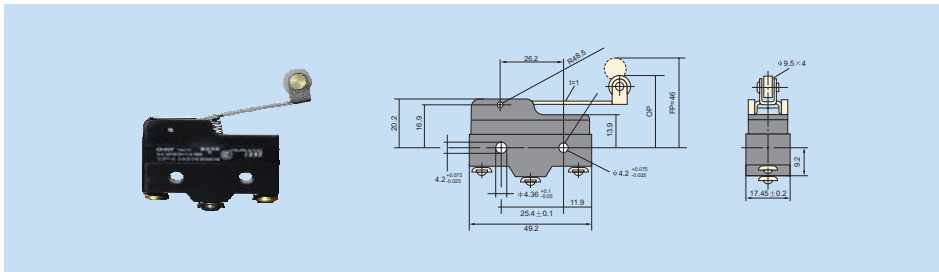


YBLXW-6/11(ZL15G、D4MC) Micro-gap Switch

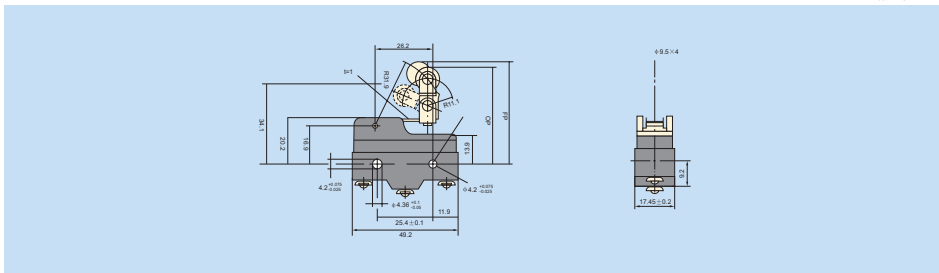
YBLXW-5/11G2、YBLXW-5/11G2/L



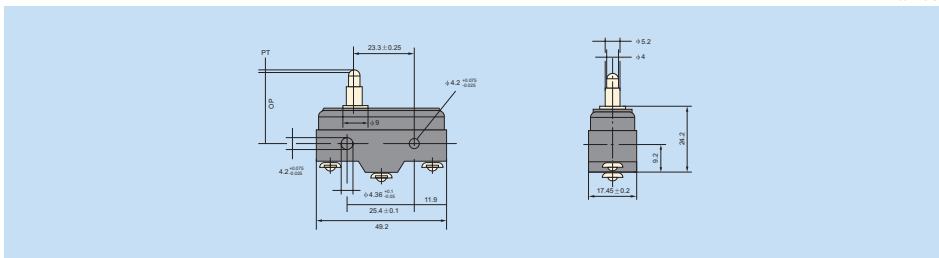
YBLXW-5/11G1、YBLXW-5/11G1/L



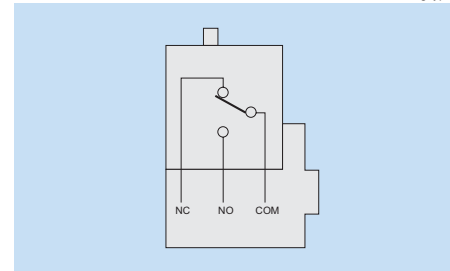
YBLXW-5/11G2277



YBLXW-5/11GS



Contacting types



YBLXW-6/11□

- Operating mode
- 1 NC contact
- 1 NO contact
- Design sequence number
- Micro-gap
- Travel switch
- Improved product



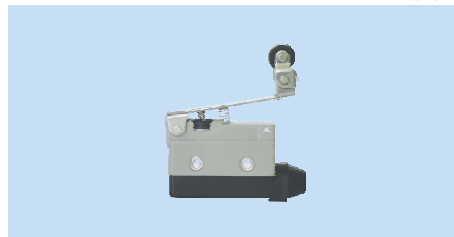
Model (recommended)	Operating mode	Substituted Model (production stopped)			
		-AZ/7310	-TZ/7310	-MN/5310	-ZL/15G10
YBLXW-6/11	Components				
YBLXW-6/11BZ	Panel mounted plunger type	-AZ/7310	-TZ/7310	-MN/5310	-ZL/15G03
YBLXW-6/11CA	Long button type				-D4MC/5000
YBLXW-6/11DA	Short button I type	-AZ/7110	-TZ/7110	-MN/5110	-ZL/15G01
YBLXW-6/11DA2	Short button II type	-AZ/7100	-TZ/7100	-MN/5100	
YBLXW-6/11CG	Long horizontal lever type	-AZ/7120	-TZ/7120	-MN/5120	-ZL/15G060
YBLXW-6/11DG	Short horizontal lever type	-AZ/7140	-TZ/7140	-MN/5140	-ZL/15G06
YBLXW-6/11CL	Long lever with roller type	-AZ/7121	-TZ/7121	-MN/5121	-ZL/15G07
YBLXW-6/11DL	Short lever type with roller	-AZ/7141	-TZ/7141	-MN/5141	-ZL/15G09
YBLXW-6/11CDL	Long lever type with one-way roller	-AZ/7124	-TZ/7124	-MN/5124	
YBLXW-6/11DDL	Short lever type with one-way roller	-AZ/7144	-TZ/7144	-MN/5144	-ZL/15G070
YBLXW-6/11HL	Horizontal mounted roller type	-AZ/7312	-TZ/7312	-MN/5312	-ZL/15G031
YBLXW-6/11ZL	Vertical mounted roller type	-AZ/7311	-TZ/7311	-MN/5311	-ZL/15G030
YBLXW-6/11W1	Free directions type I	-AZ/7161	-TZ/7161	-MN/5161	
YBLXW-6/11W2	Free directions type II	-AZ/7166	-TZ/7166	-MN/5166	
YBLXW-6/11W3	Free directions type III	-AZ/7169	-TZ/7169	-MN/5169	

Protection degree	IP65
Rated voltage	AC 380V DC 220V
Rated control capacity	AC 100V/DC 30W
Mechanical life (operations)	100×10^4
Electric life (operations)	30×10^4
Operating frequency(operations/minute)	40
Operating speed	0.1mm/s~0.5mm/s
Environmental temperature	-5℃~+40℃
Relative humidity	≤85% (20℃)
Altitude	≤2000m
Voltage withstands	Between terminals of the same polarity (AC 1140V)
	Between electrified metal components and the earth (AC 2500V)
	Between terminals and un-electrified metal components (AC 2500V)
Application range	Automatic control, operation limitation, operation or procedure control of transmission mechanism of machine tool and machines.
Standards	IEC60947-5-1

Operating performances	Model	OF max	Therefore min	PT max	OT min	MD max	FP max	OP
	YBLXW-6/11BZ	6N	1N	1.6mm	2mm	1.2mm	-	21.8±1.2mm
	YBLXW-6/11CA	6N	1N	1.6mm	2mm	1.2mm	-	21.8±1.2mm
	YBLXW-6/11DA	6N	1N	1.6mm	2mm	1.2mm	-	44±1.2mm
	YBLXW-6/11DA2	6N	1N	1.6mm	0.8mm	0.8mm	-	30±1mm
	YBLXW-6/11CG	1.7N	0.25N	-	4mm	3mm	36mm	25±1mm
	YBLXW-6/11DG	2.6N	0.35N	-	2.5mm	1.5mm	32mm	25±1mm
	YBLXW-6/11CL	2N	0.4N	-	3mm	2.4mm	51mm	40±1.2mm
	YBLXW-6/11DL	3N	0.4N	-	2mm	1.5mm	47mm	40±1.2mm
	YBLXW-6/11CDL	2.2N	0.4N	-	3mm	2.4mm	57mm	50±1.2mm
	YBLXW-6/11DDL	3N	0.4N	-	2mm	1.5mm	55mm	50±1.2mm
	YBLXW-6/11HL	6N	1N	1.6mm	3mm	1.2mm	-	33.4±1.2mm
	YBLXW-6/11ZL	6N	1N	1.6mm	3mm	1.2mm	-	33.4±1.2mm
	YBLXW-6/11W1	1.2N	-	35°	-	-	-	-
	YBLXW-6/11W2	1.2N	-	35°	-	-	-	-
	YBLXW-6/11W3	1.2N	-	35°	-	-	-	-

YBLXW-6/11DA2

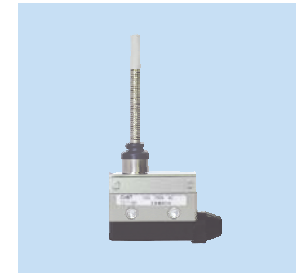
YBLXW-6/11CDL



YBLXW-6/11W1



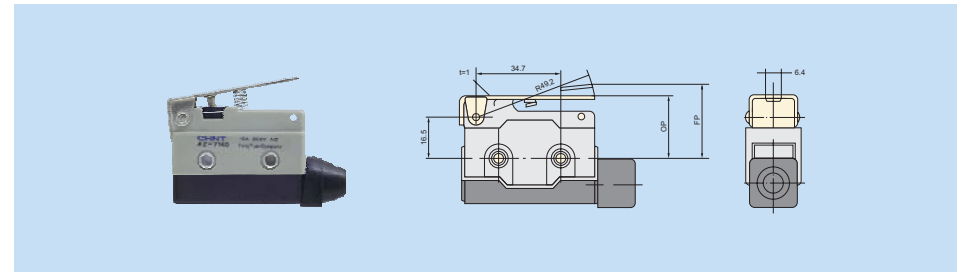
YBLXW-6/11W2



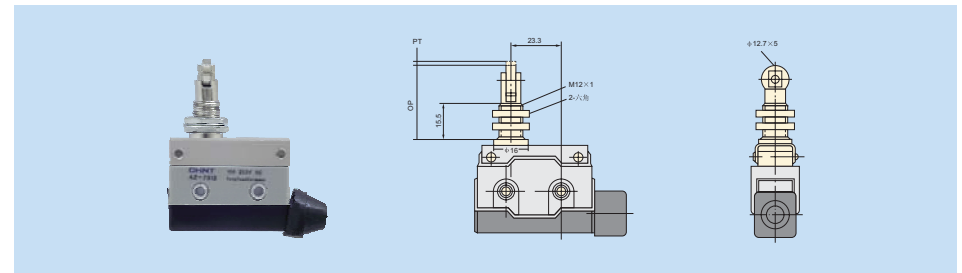
YBLXW-6/11W3



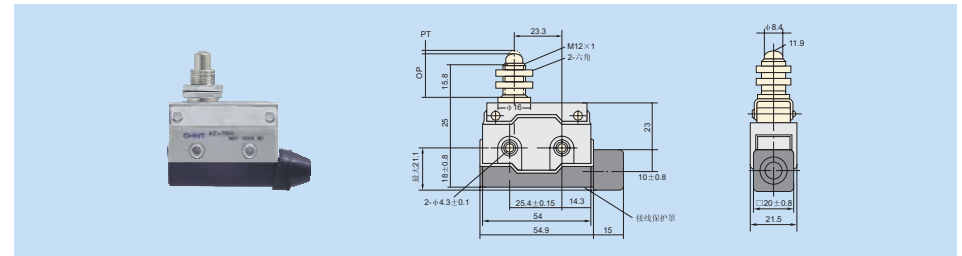
YBLXW-6/11DG



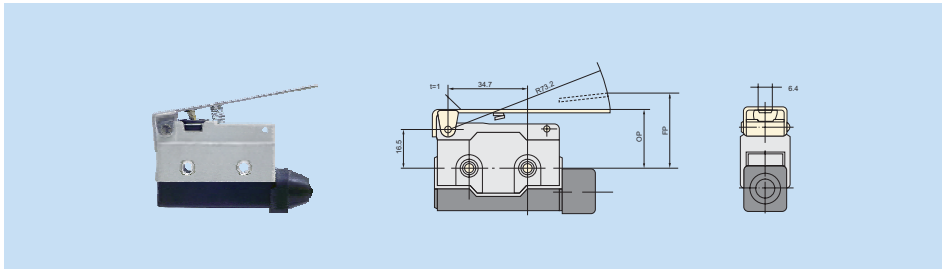
YBLXW-6/11HL



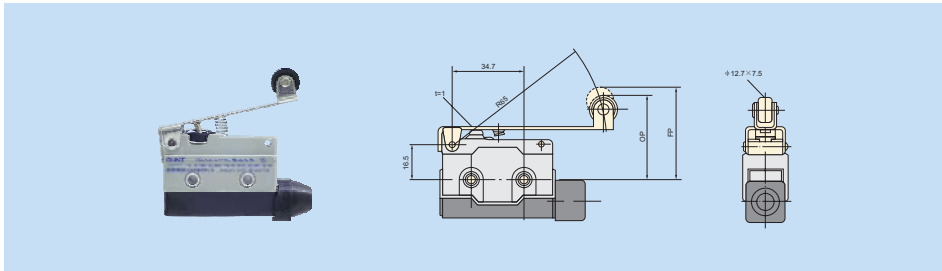
YBLXW-6/11BZ



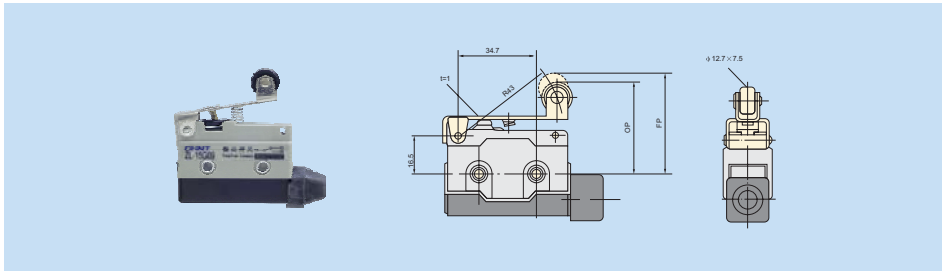
YBLXW-6/11CG



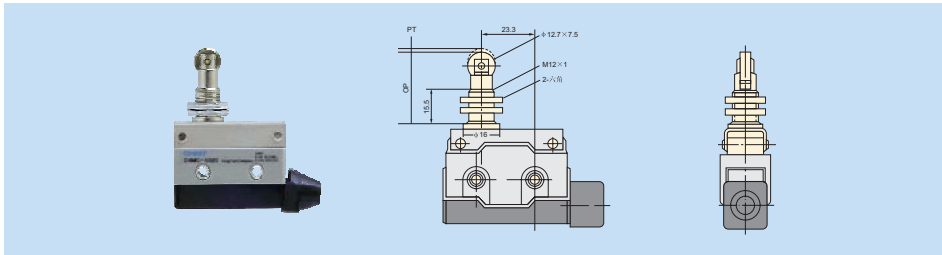
YBLXW-6/11CL



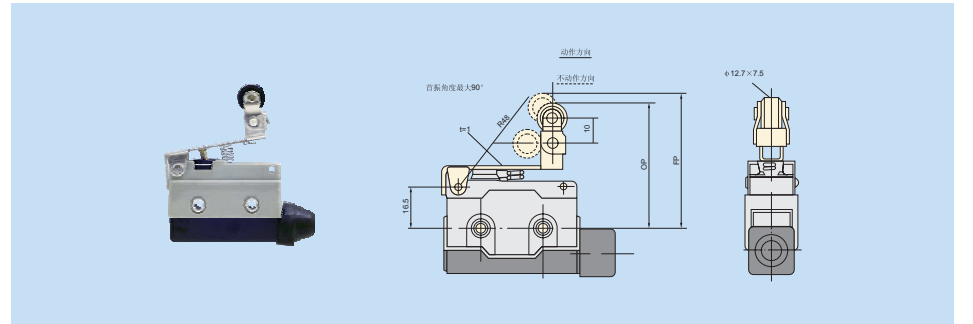
YBLXW-6/11DL



YBLXW-6/11ZL



YBLXW-6/11DDL



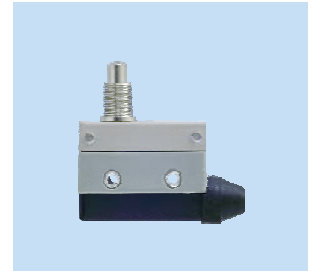
YBLXW-6/11



YBLXW-6/11DA



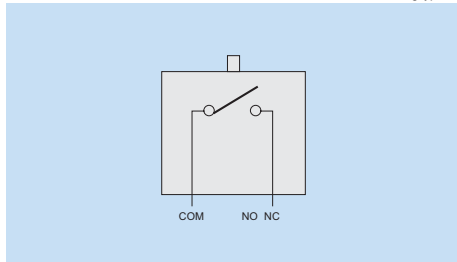
YBLXW-6/11CA



YBLXW-18 Arc-extinguishing Micro-gap Switch

YBLXW-028、028A、029、029A Micro-gap Switch

Contacting types

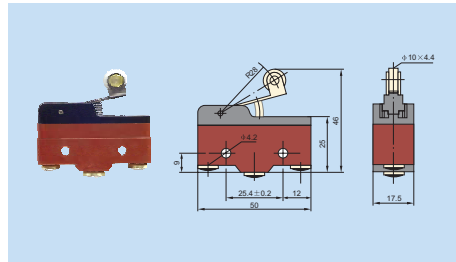


YBLXW-18/11 □ □

- Derivative specification codes: "A" short lever
- "B" short roller; "C" long lever
- "CQ" long lever light action "D" long roller
- "E-R" type lever
- "Z" straight driven "CZ" long straight driven
- Auxiliary specification code: M-DC type
- Basic specification code: 11 indicate a pair of conversion contact
- Design sequence number
- Micro-gap
- Master travel switch
- Improved product

Protection degree	IP62
Rated operational voltage	AC 380V DC 220V
Rated power	AC720VA DC138W
Mechanical life(operations)	100 × 10 ⁴
Electric life(operations)	30 × 10 ⁴
Voltage withstands	Between different polarities (1140V)
	Toward the earth (2500V)

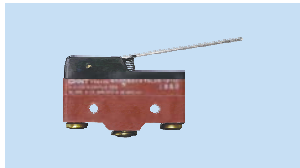
YBLXW-18/11/B、YBLXW-18/11M/B



YBLXW-18/11ND、YBLXW-18/11MND



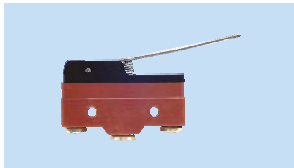
YBLXW-18/11/C、YBLXW-18/11M/C



YBLXW-18/11/Z、YBLXW-18/11M/Z



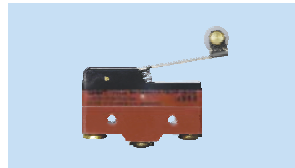
YBLXW-18/11/CQ、YBLXW-18/11M/CQ



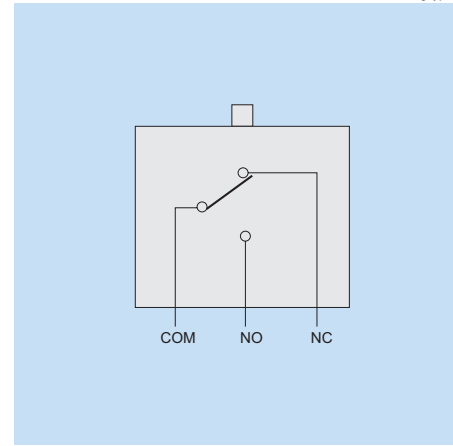
YBLXW-18/11/A、YBLXW-18/11M/A



YBLXW-18/11/D、YBLXW-18/11M/D



Contacting types



YBLXW-02 □ □

- A: in need of time for changeover
- 8: lever with roller
- 9: lever without roller
- Design sequence number
- Micro-gap
- Travel switch
- New product code

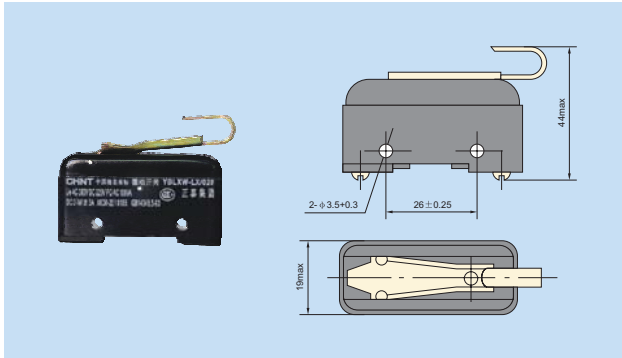
Conventional heating current	3A
Rated voltage	AC 380V DC 220V
Rated control capacity	AC 100VA DC30W
Mechanical life(operations)	100 × 10 ⁴
Electric life(operations)	30 × 10 ⁴
Operating frequency(operations/minute)	20
Environment temperature	-5°C ~ +40°C
Relative humidity	≤90% (20°C)
Altitude	≤2000mm
Voltage withstands	Between electrified components and the earth (AC 2500V)
	Between open distance of the contacts (AC 1140V)
Application range	Automatic control and operation limitation of machine tools and machines, operation or procedure control of transmission mechanism.
Standard	IEC60947-5-1

YBLXW-JLXK1/11 Micro-gap Switch

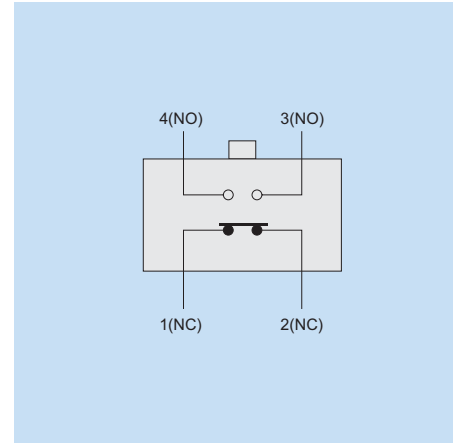
YBLXW-028、YBLXW-028A



YBLXW-029、YBLXW-029A

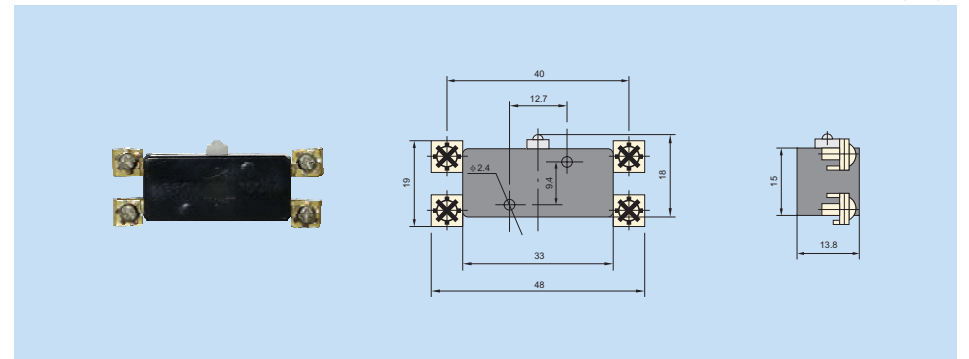


Contacting types



Operating performances	Model			
	YBLXW-028	YBLXW-028A	YBLXW-029	YBLXW-029A
OF	0.8~1.4N	0.8~1.4N	0.2~0.4N	0.2~0.4N
PT	1~3.5mm	1~3.5mm	2~5mm	2~5mm
OT	≥1mm	≥1mm	≥0.8mm	≥0.8mm
MD	≤0.7mm	≤0.7mm	≤0.7mm	≤0.7mm
Time for contact changeover	-	≤0.04s	-	≤0.04s

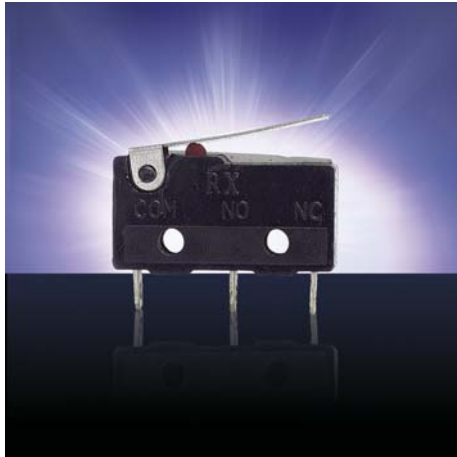
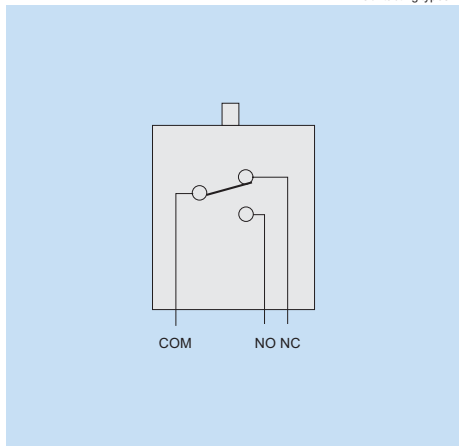
YBLXW-JLXK1/11



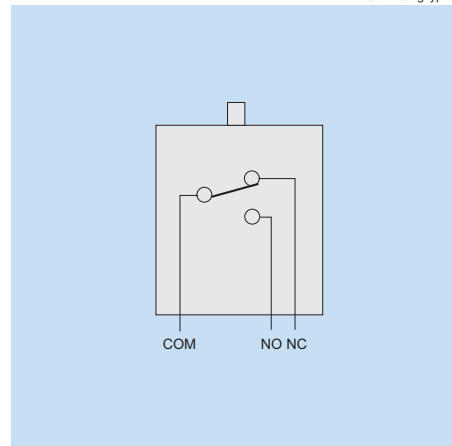
YBLXW-N/A(D2F) Micro-gap Switch

YBLXW-N/B Micro-gap Switch

Contacting types



Contacting types

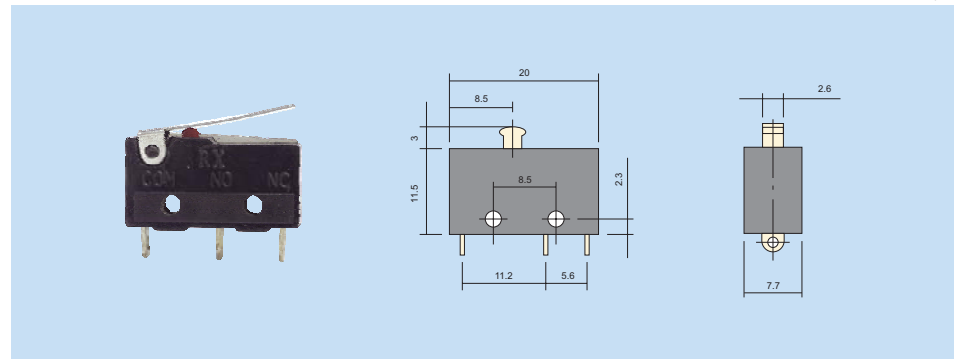
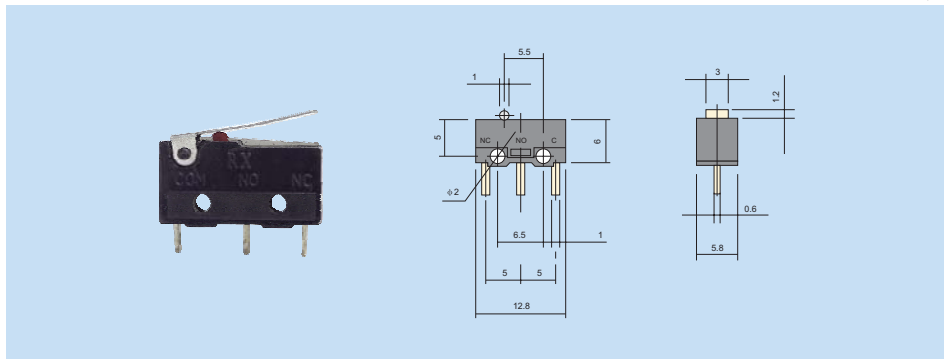


Rated operational voltage	AC 250V DC 60V
Rated loading	AC 60VA DC 10W
Contacting resistance	$\leq 30m\ \Omega$
Insulation resistance	$\geq 100m\ \Omega$
Mechanical life(operations)	60×10^4
Electric life(operations)	20×10^4
Operating force(OF)	$\leq 0.8N$

Rated operational voltage	AC 250V DC 60V
Rated loading	AC 150VA DC 15W
Contacting resistance	$\leq 30m\ \Omega$
Insulation resistance	$\geq 100m\ \Omega$
Mechanical life(operations)	60×10^4
Electric life(operations)	20×10^4
Operating force(OF)	$\leq 0.8N$

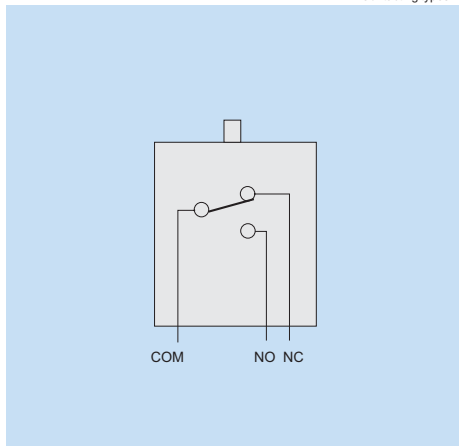
YBLXW-N/A

YBLXW-N/B



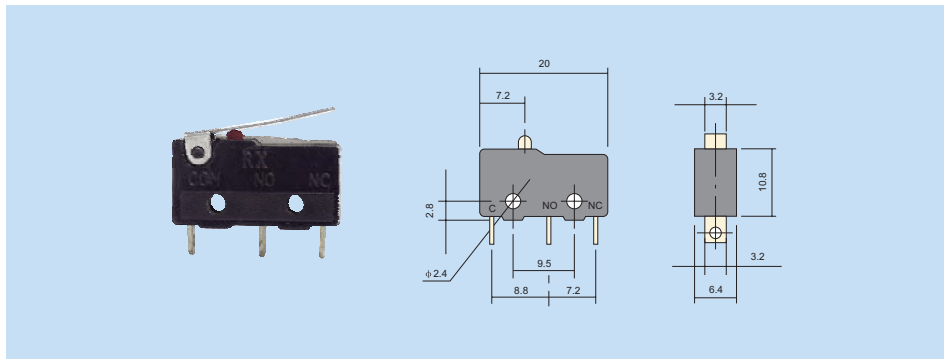
YBLXW-N/C Micro-gap Switch

Contacting types



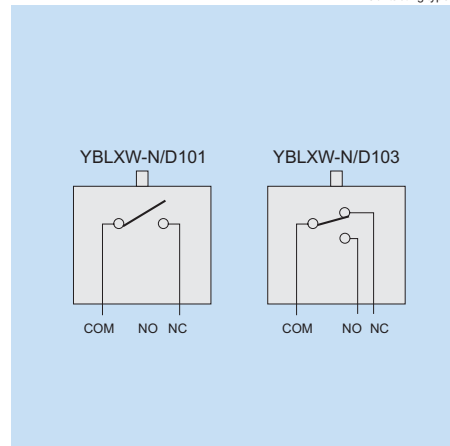
Rated operational voltage	AC 250V DC 60V
Rated loading	AC 150VA DC 15W
Contacting resistance	$\leq 30m\ \Omega$
Insulation resistance	$\geq 100m\ \Omega$
Mechanical life(operations)	60×10^4
Electric life(operations)	20×10^4
Operating force(OFF)	$\leq 0.8N$

YBLXW-NC



YBLXW-N/D Boat-shaped Micro-gap Switch

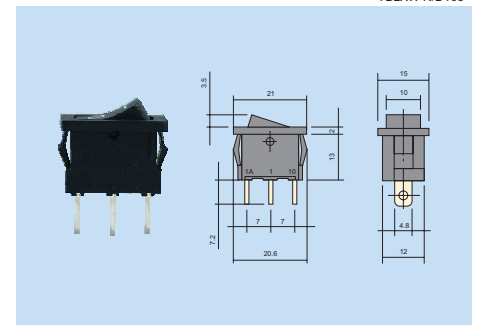
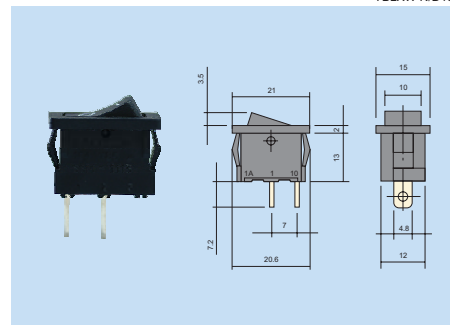
Contacting types



Conventional heating current	5A
Rated voltage	AC 380V DC 220V
Rated operational power	AC 76VA DC 28W
Mechanical life(operations)	300×10^4
Electric life(operation)	30×10^4

YBLXW-N/D101

YBLXW-N/D103

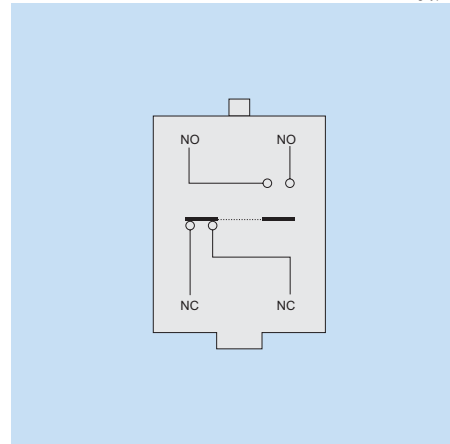
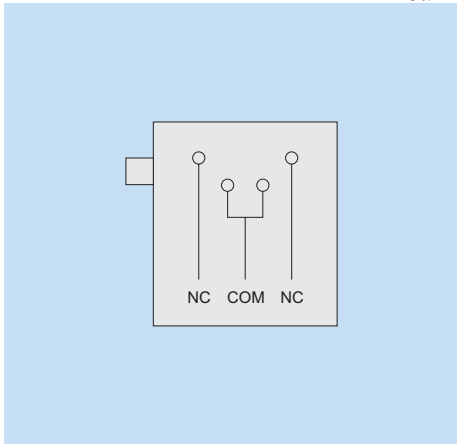


YBLX-11/2 Dual-Circuits Limit Switch

YBLT-1/11、YBLT-1/02 Foot Pedal Switch

Contacting types

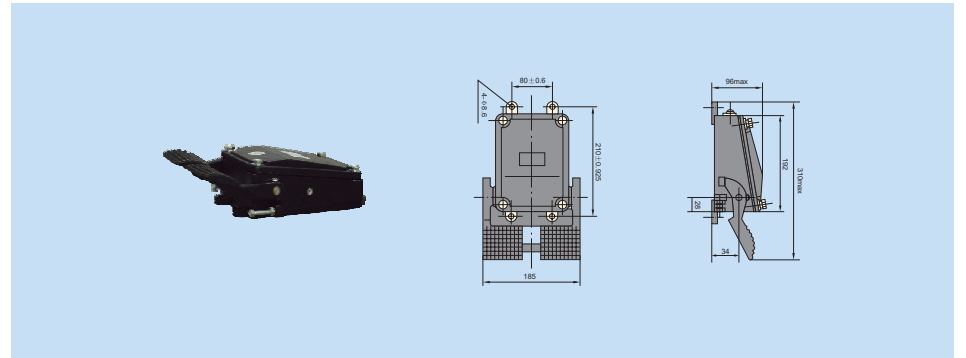
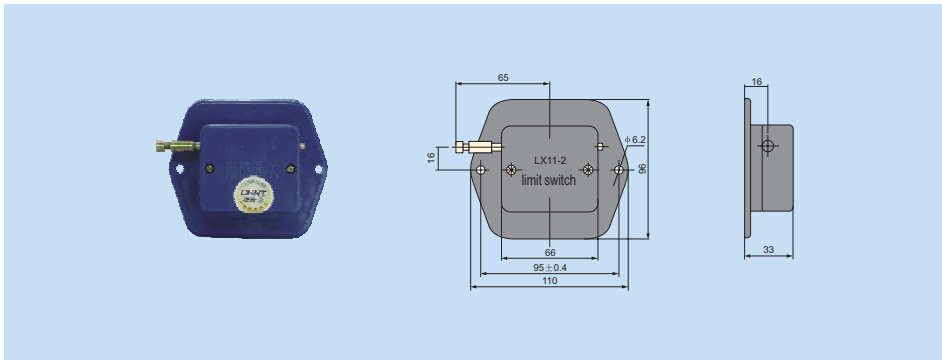
Contacting types



YBLX-11/2

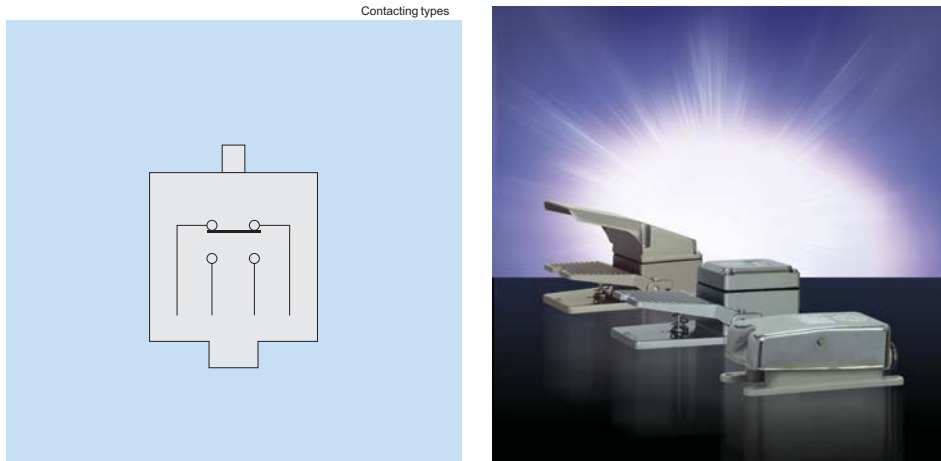
Rated voltage: 380V Conventional heating current: 20A Material of the case: cast iron

YBLT-11



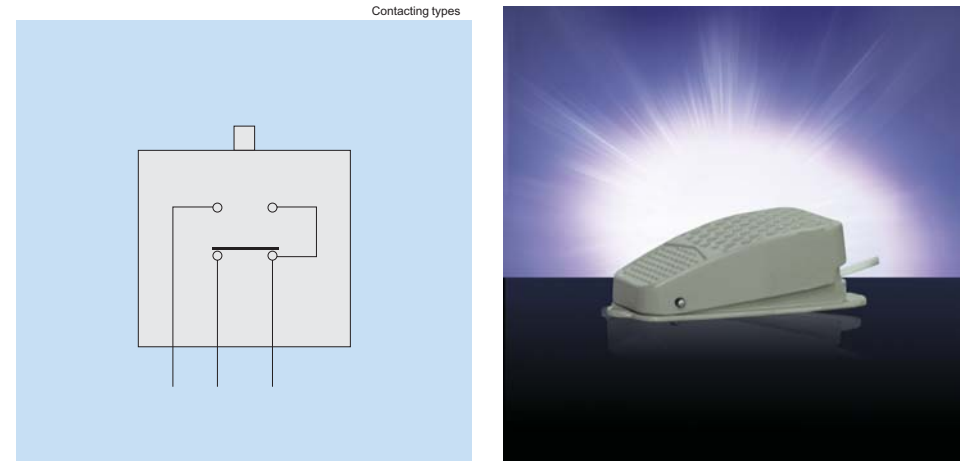
YBLT-2、YBLT-3、YBLT-4 Foot Pedal Switch

YBLT-EKW/5A/B Foot Pedal Switch



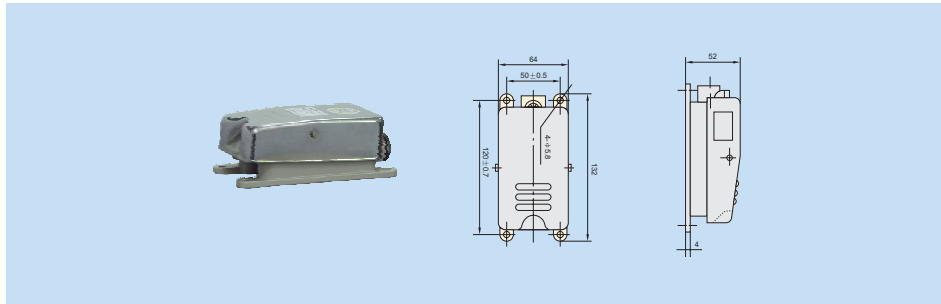
Rated voltage: 380V Conventional heating current: 6A Material of the case: Armor plate of 1mm thickness

YBLT-2



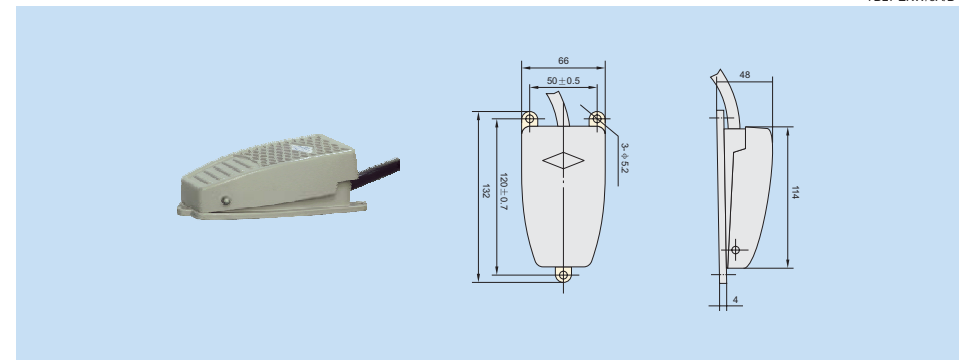
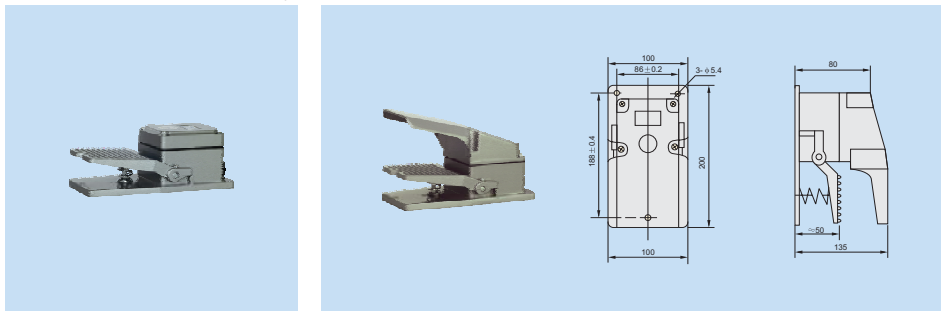
Rated voltage: AC 500V, DC 220V Conventional heating current: 5A Switch components: YBLX-19/K Material of the case: cast aluminum alloy

YBLT-EKW/5A/B



YBLT-3

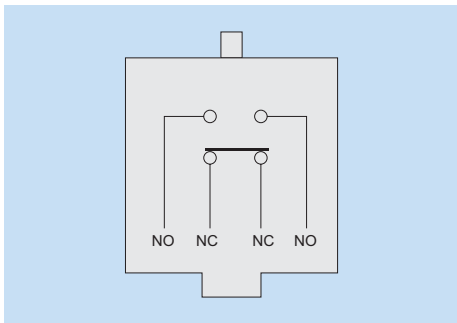
YBLT-4



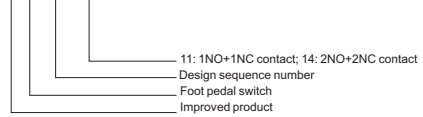
YBLT-YDT1/11、YBLT-YDT1/14 Foot Pedal Switch

YBLT-FS/1、YBLT-FS/2、YBLT-FS/3 Foot Pedal Switch

Contacting types

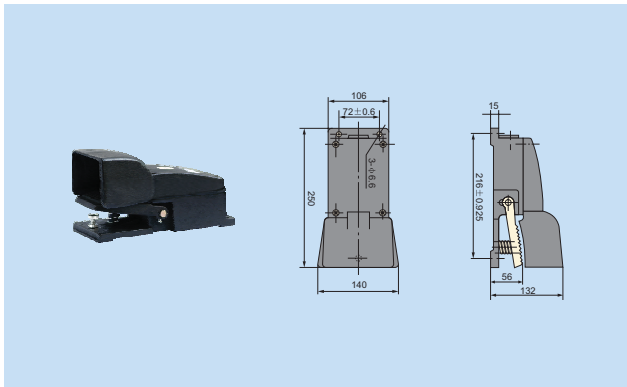


YBLTYDT1/□

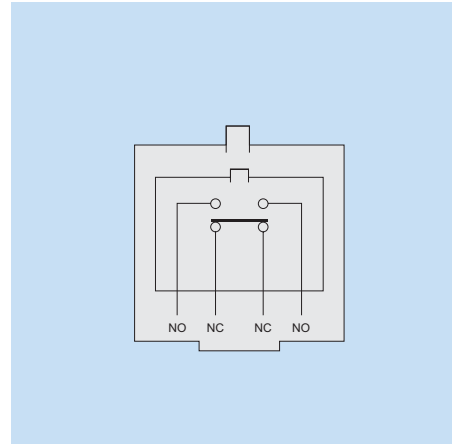


Rated voltage: 380V Conventional heating current: 5A Switch components: YBLX-19K Material of the case: cast iron
YBLT-YDT1/14

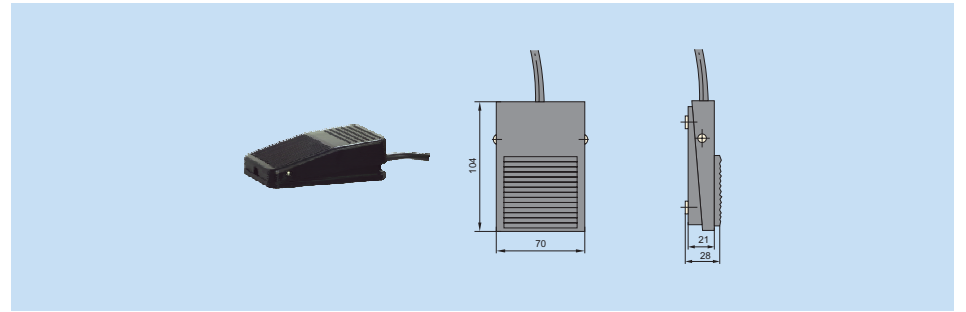
YBLT-YDT1/11



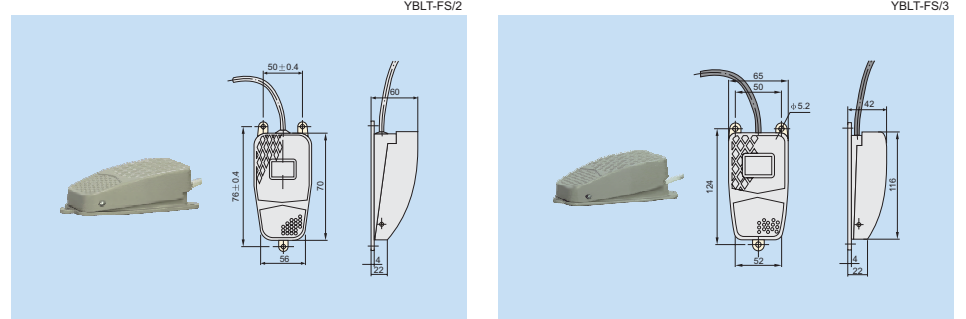
Contacting types



YBLT-FS/1



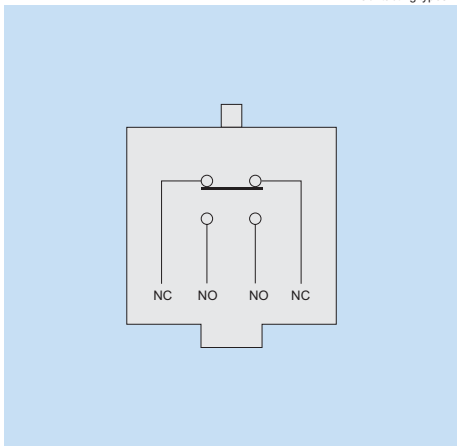
YBLT-FS/3



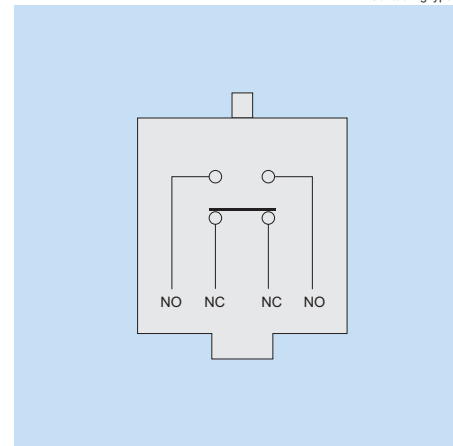
YBLT-JDK Foot Pedal Switch

YBLT-VFS/201 Foot Pedal Switch

Contacting types



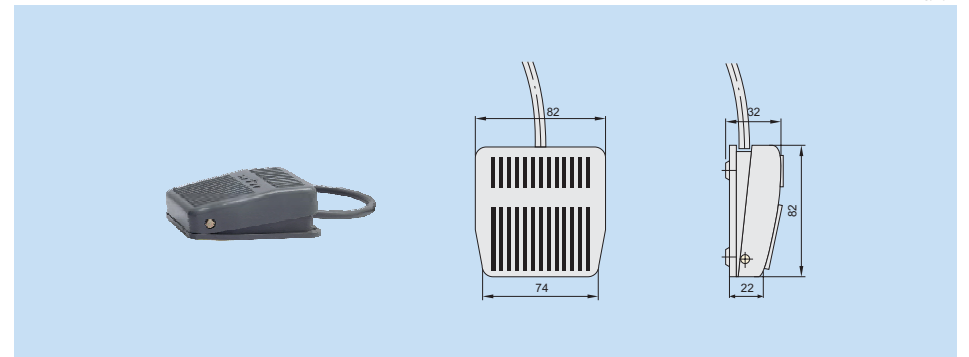
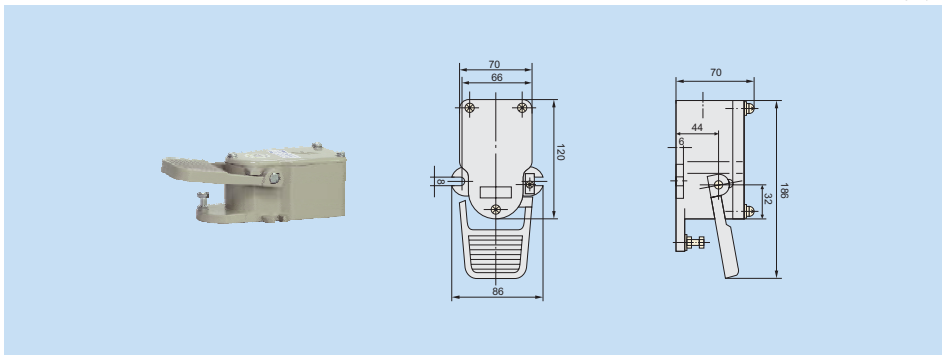
Contacting types



Rated voltage: AC 500V, DC 220V Conventional heating current: 6A Switch components: YBLX-3/11K
Material of the case: cast aluminum alloy

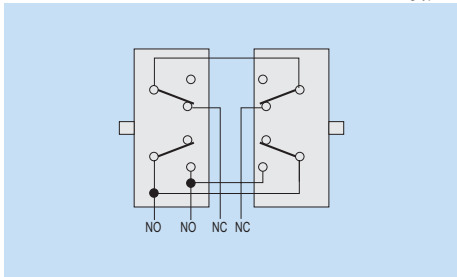
YBLT-FS/201

YBLT-JDK/11



YBLX-KLT2/ II Pull-cord Switch

Contacting types



YB LX-KLT₂-□

- Restoration mode:
- I — automatic
- II — manual
- Dual-directions operation
- Pendant pull switch
- Master electric appliance
- Improved product

Rated current	2A
Rated voltage	380V
Number of Normal Open contact	1 pair
Number of Normal Close contact	1 pair
Altitude	≤2000m
Environment temperature	-25℃~+40℃
Relative humidity	≤85%
Mechanical life	100 × 10 ⁴ times
Electric life	30 × 10 ⁴ times

YBLX-KLT2/ II

