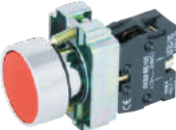
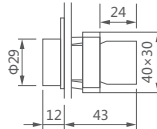
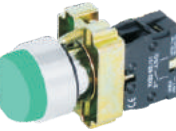
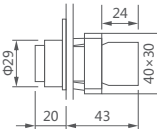




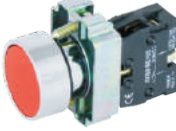
Indicator & Switch & Warning Products

LAY5 Push-botton Switch and Indicator Light	304-313	TZ Micro Switch	351-352
LAY4 Push-botton Switch and Indicator Light	314-316	V-15 Micro Switch	353-354
XB5 Push-botton Switch and Indicator Light	317-319	LXK3 Limit Switch	355
AD22 Indicator	320-322	Manual Automatic Reset Toggle Switch	356-357
COB Push-botton Switch	323	Pedal Switch	358-359
XCK-M Limit Switch	324-325	LW28 Universal Changeover Switch	360-361
XCK-J Limit Switch	326-327	LW28GS Padlock Type Power Cut Off Switch	362
XCK-P Limit Switch	328-329	EP Universal Changeover Switch	363-364
XCK-T Limit Switch	330-331	D11-3P/4P Power Off the Combination Switch	365-366
XCK-S Limit Switch	332-333	CS-68 Universal Changeover Switch	367
ME Micro Switch	334-336	LW28、YCD12 Sealed Type Power Cut Off Switch	368
HL Limit Switch	339-340	Warning Light	369-373
WL Limit Switch	341-343	Electrical Accessories	373-374
Z-15 Micro Switch	344-346	YC-M15-1/YC-M15-2 Float Switch	375
D4MC Micro Switch	347-348	YC-M15-3/YC-M15-4 Float Switch	376
AZ Micro Switch	349-350	YC-M15-5/YC-M15-6 Float Switch	377

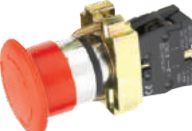
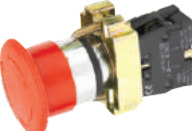
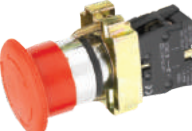
Button Switch

	Elucidation	Color	Contact type		Reference	Weight	Size
							
			NO	NC		(kg)	
 LAY5-BA..	Flat push-button	 White	1	-	LAY5-BA11	0.0560	
		 Black	1	-	LAY5-BA21	0.0560	
		 Green	1	-	LAY5-BA31	0.0560	
		 Yellow	1	-	LAY5-BA51	0.0560	
		 Blue	1	-	LAY5-BA61	0.0560	
		 Black	-	1	LAY5-BA22	0.0580	
		 Red	-	1	LAY5-BA42	0.0580	
		 Green	1	1	LAY5-BA35	0.0694	
		 Red	1	1	LAY5-BA45	0.0694	
 LAY5-BL..	Extended button	 Black	1	-	LAY5-BL21	0.0596	
		 Green	1	-	LAY5-BL31	0.0596	
		 Yellow	1	-	LAY5-BL51	0.0596	
		 Blue	1	-	LAY5-BL61	0.0596	
		 Black	-	1	LAY5-BL22	0.0600	
		 Red	-	1	LAY5-BL42	0.0600	
		 Green	1	1	LAY5-BL35	0.0731	
		 Red	1	1	LAY5-BL45	0.0731	
		 LAY5-BP..	Button with waterproof button	 Black	1	-	
 Green	1			-	LAY5-BP31	0.0572	
 Yellow	1			-	LAY5-BP51	0.0572	
 Blue	1			-	LAY5-BP61	0.0572	
 Red	-			1	LAY5-BP42	0.0592	
 Green	1			1	LAY5-BP35	0.0706	
 Red	1			1	LAY5-BP45	0.0706	

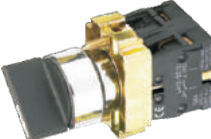
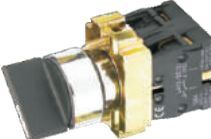
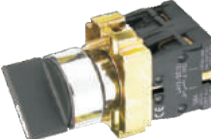
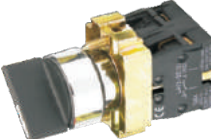
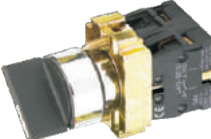
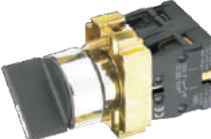
Take the spring coil button of function sign • button stop

 LAY5-BA..	Flat push-button with mark		1	-	LAY5-BA3311	0.0589
			1	-	LAY5-BA3341	0.0589
			1	-	LAY5-BA3351	0.0589
			-	1	LAY5-BA4322	0.0590
			-	1	LAY5-BA4342	0.0590
			1	1	LAY5-BA4325	0.0721
			1	1	LAY5-BA4345	0.0721
 LAY5-BZ..	Seft-clock button	Red	-	1	LAY5-BZ42	0.0710
		Green	-	1	LAY5-BZ31	0.0710
		Yellow	1	1	LAY5-BZ51	0.0710
		Black	1	-	LAY5-BZ21	0.0710
		Blue	1	-	LAY5-BZ61	0.0710

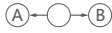
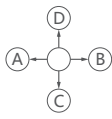
"Urgent stop" of the lock button up type mushroom head button

Elucidation	Color	Contact type		Reference	Weight (kg)	Size
						
		NO	NC			
 LAY5-BC..  LAY5-BR..  LAY5-BT..  LAY5-BS..  LAY5-BS..	Φ40mm Mushroom head button	 Black	1	-	LAY5-BC21	0.0774
		 Green	1	-	LAY5-BC31	0.0774
		 Yellow	1	-	LAY5-BC51	0.0774
		 Blue	1	-	LAY5-BC61	0.0774
		 Red	-	1	LAY5-BC42	0.0774
		 Green	1	1	LAY5-BC35	0.0908
		 Red	1	1	LAY5-BC45	0.0908
 LAY5-BR..  LAY5-BT..  LAY5-BS..  LAY5-BS..	Φ60mm Mushroom head button	 Black	1	-	LAY5-BR21	0.0901
		 Green	1	-	LAY5-BR31	0.0901
		 Red	-	1	LAY5-BR42	0.0901
		 Green	1	1	LAY5-BR35	0.0985
		 Red	1	1	LAY5-BR45	0.0985
 LAY5-BT..  LAY5-BS..  LAY5-BS..	Push-pull button	 Φ40	-	1	LAY5-BT42	0.1180
		 Φ40	1	1	LAY5-BT45	0.1180
		 Φ60	-	1	LAY5-BX42	0.1810
		 Φ60	1	1	LAY5-BX45	0.0440
 LAY5-BS..  LAY5-BS..	Emergency stop push button	 Φ30	-	1	LAY5-BS442	0.0767
		 Φ30	1	1	LAY5-BS445	0.0781
 LAY5-BS..  LAY5-BS..	 LAY5-BS..  LAY5-BS..	 Black Φ40	1	-	LAY5-BS521	0.0800
		 Green Φ40	1	-	LAY5-BS531	0.0800
		 Red Φ40	-	1	LAY5-BS542	0.0935
		 Red Φ40	1	1	LAY5-BS545	0.0935
	 LAY5-BS..  LAY5-BS..	 Black Φ60	1	-	LAY5-BS621	0.0910
		 Green Φ60	1	-	LAY5-BS631	0.0910
		 Red Φ60	-	1	LAY5-BS642	0.0910
		 Red Φ60	1	1	LAY5-BS645	0.1030
 LAY5-BS..  LAY5-BS..	Emergency stop push button with key	Φ40	-	1	LAY5-BS142	0.1097
		Φ40	1	1	LAY5-BS145	0.1235
		Φ40	1	1	LAY5-BS9445	0.1235

Choice switch

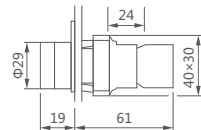
Elucidation	Color	Contact type		Reference	Weight (kg)	Size
						
		NO	NC			
 LAY5-BD..  LAY5-BJ..  LAY5-BG..  LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402	2 position select switch		1	-	LAY5-BD21	0.0669
			1	1	LAY5-BD25	0.0803
			1	-	LAY5-BD41	0.0669
			1	1	LAY5-BD45	0.0803
 LAY5-BD..  LAY5-BJ..  LAY5-BG..  LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402	3 position select switch		2	-	LAY5-BD33	0.0826
			2	-	LAY5-BD53	0.0826
			2	-	LAY5-BD73	0.0826
	2 position with long handle		1	-	LAY5-BJ21	0.0701
 LAY5-BD..  LAY5-BJ..  LAY5-BG..  LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402			1	1	LAY5-BJ25	0.0835
			1	-	LAY5-BJ41	0.0701
			1	1	LAY5-BJ45	0.0835
	3 position with long handle		2	-	LAY5-BJ33	0.0832
 LAY5-BD..  LAY5-BJ..  LAY5-BG..  LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402			2	-	LAY5-BJ53	0.0832
			2	-	LAY5-BJ73	0.0832
	2 position select switch with key		1	-	LAY5-BG21	0.0925
			1	1	LAY5-BG25	0.1090
 LAY5-BD..  LAY5-BJ..  LAY5-BG..  LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402			1	-	LAY5-BG41	0.0925
			1	1	LAY5-BG45	0.1090
			1	-	LAY5-BG61	0.0925
			1	1	LAY5-BG65	0.1090
 LAY5-BD..  LAY5-BJ..  LAY5-BG..  LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402	3 position select switch with key		2	-	LAY5-BG33	0.1090
			2	-	LAY5-BG53	0.1090
			2	-	LAY5-BG03	0.1090
			2	-	LAY5-BG73	0.1090

The word lords make switch

 LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402	Locked	2	-	LAY5-B2-PA12	0.0467
	Spring return 	2	-	LAY5-B2-PA22	0.0467
 LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402	Locked	2	2	LAY5-B2-PA14	0.0525
	Spring return 	2	2	LAY5-B2-PA24	0.0525
 LAY5-B2-PA..  LAY5-B2-PA..  LAY5-C402		4	-	LAY5-C402	0.193
		4	-	LAY5-C4022	0.193
		2	-	LAY5-C201	0.190
		2	-	LAY5-C2011	0.190

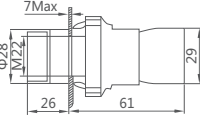
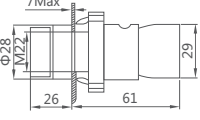
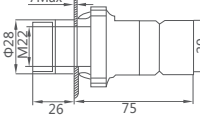
LAY5
Push-botton Switch and Indicator Light

Choice switch with light

	Elucidation	Color	Contact type		Reference	Weight	Size	
								
			NO	NC		(kg)		
	2 position select switch with light		Green	1	1	LAY5-BK2365	0.0907	
			Red	1	1	LAY5-BK2465	0.0907	
			Yellow	1	1	LAY5-BK2565	0.0907	
			Blue	1	1	LAY5-BK2665	0.0907	
			Clean	1	1	LAY5-BK2765	0.0907	

LAY5-BK..

Take the light shine push button switch

	The direct type		White	1	-	LAY5-BW3161	0.0769	
			Green	1	-	LAY5-BW3361	0.0799	
			Red	-	1	LAY5-BW3462	0.0769	
			Yellow	1	-	LAY5-BW3561	0.0769	
			Blue	1	-	LAY5-BW3661	0.0769	
	RC type		White	1	-	LAY5-BW3171	0.0832	
			Green	1	-	LAY5-BW3371	0.0832	
			Red	-	1	LAY5-BW3472	0.0832	
			Yellow	1	-	LAY5-BW3571	0.0832	
			Blue	1	-	LAY5-BW3671	0.0382	
	Lamp stop		White	1	-	LAY5-BZ3161	0.0982	
			Green	1	-	LAY5-BZ3361	0.0982	
			Red	-	1	LAY5-BZ3462	0.0982	
			Yellow	1	-	LAY5-BZ3561	0.0982	
			Blue	1	-	LAY5-BZ3661	0.0982	

Double key button switch

LAY5-BL..

LAY5-BW..

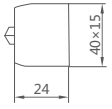
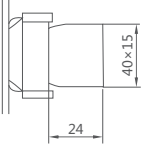
		NO	NC		(kg)
Double key button switch		1	1	LAY5-BL8325	0.0721
		1	1	LAY5-BL8425	0.0721

Double key square the head take a button a switch		1	1	LAY5-BW8365	0.0986
		1	1	LAY5-BW8465	0.0986

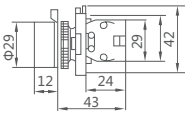
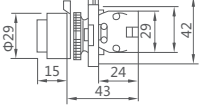
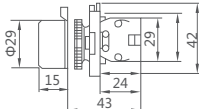
LAY5-BW..

LAY5
Push-botton Switch and Indicator Light

The button touch some mold piece

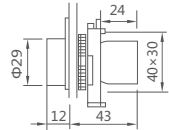
Elucidation	Color	Contact type		Reference	Weight (kg)	Size
						
		NO	NC			
	Spread to help/can act for of touch a point spiral press to carry son into the type	1	-	LAY5-BE101		
		-	1	LAY5-BE102		
	Take 1/2 touch some mold piece of the base used for button and 2 choice switch and key switch	1	-	LAY5-BZ101		
		-	1	LAY5-BZ102		
		2	-	LAY5-BZ103		
		-	2	LAY5-BZ104		
		1	1	LAY5-BZ105		

The spring coil reset a button

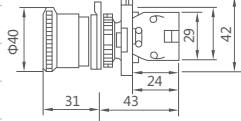
	Flat push button		White	1	-	LAY5-EA11	0.0296	
			Black	1	-	LAY5-EA21	0.0296	
			Green	1	-	LAY5-EA31	0.0296	
			Yellow	1	-	LAY5-EA51	0.0296	
			Blue	1	-	LAY5-EA61	0.0296	
			Black	-	1	LAY5-EA22	0.0300	
			Red	-	1	LAY5-EA42	0.0300	
			Green	1	1	LAY5-EA35	0.0430	
			Red	1	1	LAY5-EA45	0.0430	
	Extended push button		Black	1	-	LAY5-EL21	0.0326	
			Green	1	-	LAY5-EL31	0.0326	
			Yellow	1	-	LAY5-EL51	0.0326	
			Blue	1	-	LAY5-EL61	0.0326	
			Black	-	1	LAY5-EL22	0.0334	
			Red	-	1	LAY5-EL42	0.0334	
			Green	1	1	LAY5-EL35	0.0435	
			Red	1	1	LAY5-EL45	0.0435	
	Push button with waterproof		Black	1	-	LAY5-EP21	0.0313	
			Green	1	-	LAY5-EP31	0.0313	
			Yellow	1	-	LAY5-EP51	0.0313	
			Blue	1	-	LAY5-EP61	0.0313	
			Red	-	1	LAY5-EP42	0.0316	
			Green	1	1	LAY5-EP35	0.0316	
			Red	1	1	LAY5-EP45	0.0451	

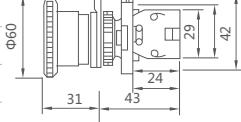
LAY5-EP..

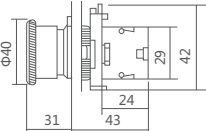
Take the spring coil button of function sign

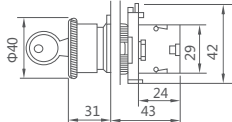
	Elucidation	Color	Contact type		Reference	Weight	Size
							
 LAY5-EA..	Flat push button with mark	 Green	1	-	LAY5-EA3311	0.0312	
		 White	1	-	LAY5-EA3341	0.0312	
		 Black	1	-	LAY5-EA3351	0.0312	
		 Red	-	1	LAY5-EA4322	0.0317	
		 Red	-	1	LAY5-EA4342	0.0317	
		 Red	1	1	LAY5-EA4325	0.0449	
		 Red	1	1	LAY5-EA4345	0.0449	

Nasty stop a mushroom button

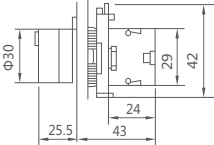
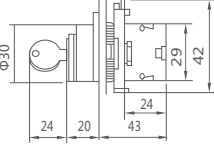
 LAY5-EC..	Φ40mm Mushroom head button	 Black	1	-	LAY5-EC21	0.0500	
		 Green	1	-	LAY5-EC31	0.0500	
		 Yellow	1	-	LAY5-EC51	0.0500	
		 Blue	1	-	LAY5-EC61	0.0500	
		 Red	-	1	LAY5-EC42	0.0505	
		 Green	1	1	LAY5-EC35	0.0641	
		 Red	1	1	LAY5-EC45	0.0641	

	Φ60mm Mushroom head button	 Black	1	-	LAY5-ER21	0.0600	
		 Red	-	1	LAY5-ER42	0.0600	
		 Black	1	1	LAY5-ER25	0.0735	
		 Red	1	1	LAY5-ER45	0.0735	

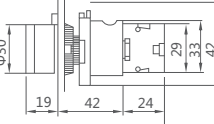
 LAY5-ES...	Emergency stop switch	Φ30	-	1	LAY5-ES442	0.0500	
		Φ40	-	1	LAY5-ES542	0.0524	
		Φ40	1	1	LAY5-ES545	0.0745	
		Φ60	-	1	LAY5-ES642	0.0608	
		Φ60	1	1	LAY5-ES645	0.0745	

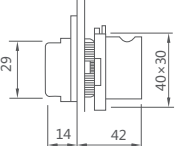
 LAY5-ES...	Emergency stop switch with key	Φ40	-	1	LAY5-ES142	0.0800	
		Φ40	1	1	LAY5-ES145	0.0912	

Choice type switch

	Elucidation	Color	Contact type		Reference	Weight	Size
							
 LAY5-ED..	2 position maintain		1	-	LAY5-ED21	0.0383	
			1	1	LAY5-ED25	0.0520	
	2 position self-return		1	-	LAY5-ED41	0.0383	
			1	1	LAY5-ED45	0.0520	
	3 position maintain		2	-	LAY5-ED33	0.0511	
	3 position self-return		2	-	LAY5-ED53	0.0511	
	2 position maintain key switch		1	-	LAY5-EG21	0.0599	
			1	1	LAY5-EG25	0.0731	
			1	-	LAY5-EG41	0.0599	
			1	1	LAY5-EG45	0.0731	
			1	-	LAY5-EG61	0.0599	
			1	1	LAY5-EG65	0.0731	
	3 position maintain key switch		2	-	LAY5-EG33	0.0727	
			2	-	LAY5-EG53	0.0727	
			2	-	LAY5-EG03	0.0727	
			2	-	LAY5-EG73	0.0727	

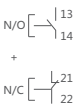
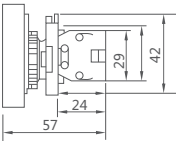
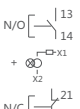
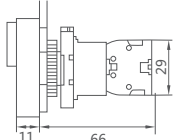
The crew cut take a light button (the spring coil return)

 LAY5-EW..	Direct	 Green	1	-	LAY5-EW3361	0.0583	
		 Red	-	1	LAY5-EW3462	0.0527	
		 Yellow	1	-	LAY5-EW3561	0.0583	
		 Blue	1	-	LAY5-EW3661	0.0583	
	RC type	 Green	1	-	LAY5-EW3371	0.0583	
		 Red	1	-	LAY5-EW3471	0.0583	
		 Yellow	1	-	LAY5-EW3571	0.0583	
		 Blue	1	-	LAY5-EW3671	0.0583	

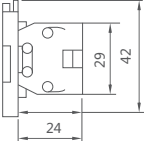
 LAY5-EV..	Direct	 Green	LAY5-EV63	0.0616	
		 Red	LAY5-EV64	0.0388	
		 Yellow	LAY5-EV65	0.0388	
		 Blue	LAY5-EV66	0.0388	
	RC type	 Green	LAY5-EV73	0.0750	
		 Red	LAY5-EV74	0.0750	
		 Yellow	LAY5-EV75	0.0750	
		 Blue	LAY5-EV76	0.0750	

LAY5
Push-botton Switch and Indicator Light

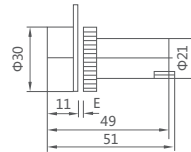
Double key button switch

	Elucidation	Color	Contact type		Reference	Weight	Size
							
 LAY5-EL8..	Double key button switch 	IP40 	NO	NC	LAY5-EL8325	0.0485	
		IP40 			LAY5-EL8425	0.0497	
 LAY5-EW8..	Direct Double key square head take a light button resistance type 	IP40 			LAY5-EW8465	0.0485	
					LAY5-EW8365	0.0497	

The button touch some mold piece

 LAY5-EZ..	Take 1/2 touch some mold piece of the base used for button and 2 choice switch and key switch	1	-	LAY5-EZ101	0.0340	
		-	1	LAY5-EZ102	0.0346	
		2	-	LAY5-EZ103	0.0476	
		-	2	LAY5-EZ104	0.0478	
		1	1	LAY5-EZ105	0.0424	

The spring coil reset a button

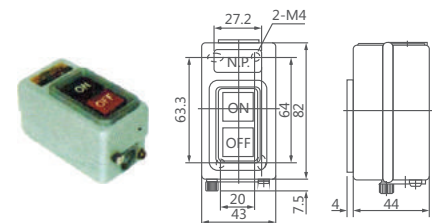
 LAY5-EA..	The spring coil return type	 Black	1	-	LAY5-EA121	0.0170	
			1	1	LAY5-EA125	0.0290	
		 Green	1	-	LAY5-EA131	0.0170	
			1	1	LAY5-EA135	0.0290	
		 Red	-	1	LAY5-EA142	0.0170	
			1	1	LAY5-EA145	0.0290	
		 Yellow	1	-	LAY5-EA151	0.0170	
		 Blue	1	-	LAY5-EA161	0.0170	

LAY5
Push-botton Switch and Indicator Light

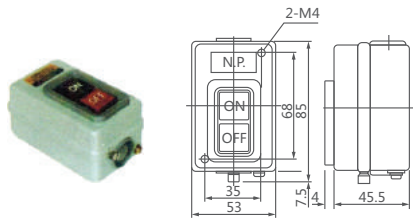
Button switch box

	Type	Configuration	Mark
	LAY5-B101H29	Green flat button, 1NO	Sign mark: START
	LAY5-B102	Green flat button, 1NO	Switch mark: I
	LAY5-B103	Green flat button, 1NO	Switch mark: START
	LAY5-B111H29	Red flat button, 1NC	Sign mark: STOP
	LAY5-B112	Red flat button, 1NC	Switch mark: ○
	LAY5-J174	Red Φ40 mushroom auto-locking, turn	
	LAY5-B211H29	Green flat button, 1NO; Red flat button, 1NO	Sign mark: START, STOP
	LAY5-B213	Green flat button, 1NO; Red flat button, 1NO	Switch mark: I ○
	LAY5-B215	Green flat button, 1NO; Red flat button, 1NO	Switch mark: START, STOP
	LAY5-B222	White flat button, 1NO; Black flat button, 1NO	Sign mark: ↑ ↓
	LAY5-B341H29	Green flat button, 1NO; Red flat button, 1NC; Green flat button, 1NO	Switch mark: FORWRD, STOR, REVERSE
	LAY5-B339	Green flat button, 1NO; Red flat button, 1NC; Green flat button, 1NO	Switch mark: OPEN, STOP, CLOSE
	LAY5-B324	Green flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: I ○ II
	LAY5-B334	White flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: ↑ ○ ↓
	LAY5-B311H29	White flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: → ○ ←

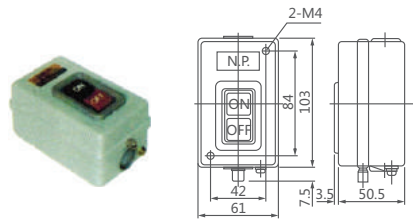
LAY5
Push-botton Switch and Indicator Light



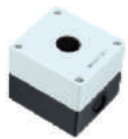
BS216



BS230



BS211



Button box for
single hole
IP40
φ22, φ25

LAY5-BOX1



Button box for
two holes
IP40
φ22, φ25

LAY5-BOX2



Button box for
three holes
IP40
φ22, φ25

LAY5-BOX3



Button box for
four holes
IP40
φ22, φ25

LAY5-BOX4



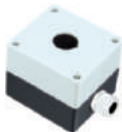
Button box for
five holes
IP40
φ22, φ25

LAY5-BOX5



Button box for
six holes
IP40
φ22, φ25

LAY5-BOX6



Button box for
single hole
IP40/54
φ22, φ25

LAY5-BP01



Button box for
two holes
IP40/54
φ22, φ25

LAY5-BP02



Button box for
three holes
IP40/54
φ22, φ25

LAY5-BP03



Button box for
five holes
IP40/540
φ22, φ25

LAY5-BP05



Button box for
six holes
IP40/54
φ22, φ25

LAY5-BP06

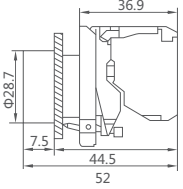
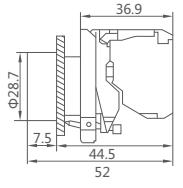
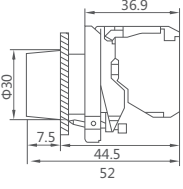
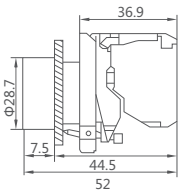
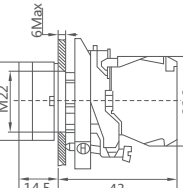


Button box for
four holes
IP40/54
φ22, φ25

LAY5-BP04

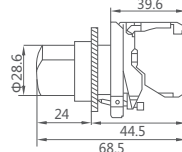
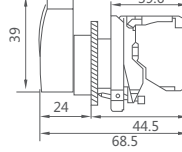
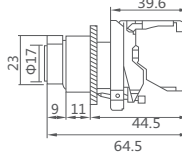
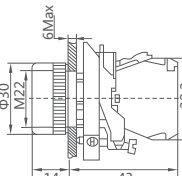
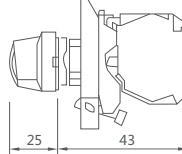
LAY4
Push-botton Switch and Indicator Light

Button switch

Elucidation	Color	Contact type		Reference	Weight	Size
		NO	NC			
	Flat push-button				(kg)	
	White	1	-	LAY4-BA11	0.0684	
	Black	1	-	LAY4-BA21	0.0684	
	Green	1	-	LAY4-BA31	0.0684	
	Yellow	1	-	LAY4-BA51	0.0684	
	Blue	1	-	LAY4-BA61	0.0684	
	Red	-	1	LAY4-BA42	0.0684	
	Black	1	1	LAY4-BA25	0.0774	
	Green	1	1	LAY4-BA35	0.0774	
	Red	1	1	LAY4-BA45	0.0774	
	Extended button					
	Green	1	-	LAY4-BL31	0.069	
	Green	1	1	LAY4-BL35	0.078	
	Red	-	1	LAY4-BL42	0.069	
	Red	1	1	LAY4-BL45	0.078	
	White	1	-	LAY4-BL11	0.069	
	Black	1	-	LAY4-BL21	0.069	
	Blue	1	-	LAY4-BL61	0.069	
	Yellow	1	-	LAY4-BL51	0.069	
	Button with waterproof cover					
	Black	1	-	LAY4-BP21	0.070	
	Green	1	-	LAY4-BP31	0.070	
	Yellow	1	-	LAY4-BP51	0.070	
	Blue	1	-	LAY4-BP61	0.070	
	Red	-	1	LAY4-BP42	0.070	
	Green	1	1	LAY4-BP35	0.079	
	Red	1	1	LAY4-BP45	0.079	
	Flat push button with mark					
	①	1	-	LAY4-BA3311	0.0589	
	②	1	-	LAY4-BA3341	0.0589	
	③	1	-	LAY4-BA3351	0.0589	
	④	-	1	LAY4-BA4322	0.0590	
	⑤	-	1	LAY4-BA4342	0.0590	
	⑥	1	1	LAY4-BA4325	0.068	
	⑦	1	1	LAY4-BA4345	0.068	
	⑧	1	1	LAY4-BA4345	0.068	
	Take LED (include a lamp bulb) ≤220V					
	White	1	-	LAY4-BW3161	0.075	
	Green	1	-	LAY4-BW3361	0.075	
	Red	-	1	LAY4-BW3462	0.075	
	Yellow	1	-	LAY4-BW3561	0.075	
	Blue	1	-	LAY4-BW3661	0.075	

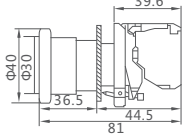
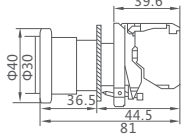
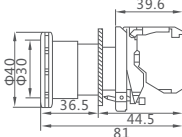
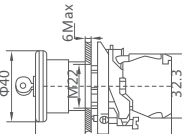
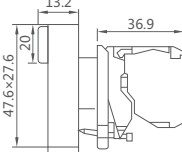
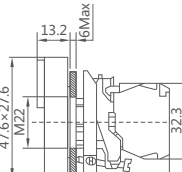
LAY4
Push-botton Switch and Indicator Light

Choice switch

	Elucidation	Color	Contact type		Reference	Weight	Size	
								
			NO	NC				
 LAY4-BD..	2 position switch		1	-	LAY4-BD21	0.083		
			1	1	LAY4-BD25	0.0925		
	3 position switch		1	-	LAY4-BD41	0.083		
			1	1	LAY4-BD45	0.0925		
			2	-	LAY4-BD33	0.0925		
 LAY4-BJ..	2 position switch with long handle		2	-	LAY4-BD53	0.0925		
			2	-	LAY4-BD73	0.0925		
	3 position switch with long handle		1	-	LAY4-BJ21	0.083		
1			1	LAY4-BJ25	0.0925			
1			-	LAY4-BJ41	0.083			
 LAY4-BG..	2 position switch with key		1	-	LAY4-BJ33	0.0925		
			1	1	LAY4-BJ53	0.0925		
	3 position switch with key		2	-	LAY4-BJ73	0.0925		
			1	-	LAY4-BG21	0.106		
			1	1	LAY4-BG25	0.1154		
	2 position switch with key		1	-	LAY4-BG41	0.106		
			1	1	LAY4-BG45	0.1154		
			1	-	LAY4-BG61	0.106		
	3 position switch with key		1	1	LAY4-BG65	0.1154		
			2	-	LAY4-BG33	0.1154		
			2	-	LAY4-BG53	0.1154		
	 LAY4-BV..	Take LED (include a lamp bulb) ≤220V		White	LAY4-BV61	0.0639		
			Green	LAY4-BV63	0.0639			
			Red	LAY4-BV64	0.0639			
			Yellow	LAY4-BV65	0.0639			
			Blue	LAY4-BV66	0.0639			
 LAY4-BK....	Take LED (include a lamp bulb) ≤220V		Green	1	1	LAY4-BK123B5	0.105	
			Red	1	1	LAY4-BK124B5	0.105	
			Yellow	1	1	LAY4-BK125B5	0.105	
			Green	2	-	LAY4-BK133G5	0.105	
			Red	2	-	LAY4-BK134G5	0.105	
			Yellow	2	-	LAY4-BK135G5	0.105	
			Green	2	-	LAY4-BK153M5	0.105	
			Red	2	-	LAY4-BK154M5	0.105	
			Yellow	2	-	LAY4-BK155M5	0.105	
	The 3P direct type take a light choice a switch		Green	2	-	LAY4-BK143M5	0.105	
			Red	1	1			
			Yellow	2	-			
			Red	1	1			

LAY4
Push-botton Switch and Indicator Light

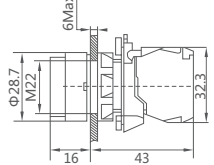
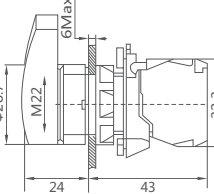
"Urgent stop" button up type mushroom head button

	Elucidation	Color	Contact type		Reference	Weight	Size
							
			NO	NC		(kg)	
 LAY4-BC..	Φ40mm Mushroom head button	 Black	1	-	LAY4-BC21	0.116	
		 Green	1	-	LAY4-BC31	0.116	
		 Red	-	1	LAY4-BC42	0.116	
		 Green	1	1	LAY4-BC35	0.1211	
		 Red	1	1	LAY4-BC45	0.1211	
 LAY4-BT..	Push-pull button	 Φ40	-	1	LAY4-BT42	0.12	
		 Φ40	1	1	LAY4-BT45	0.12	
 LAY4-BS..	Emergency stop push button	 Φ40	-	1	LAY4-BS542	0.105	
		 Φ40	1	1	LAY4-BS545	0.1154	
		 Φ40	1	1	LAY4-BS8445	0.1154	
 LAY4-BS..	Emergency stop push button with key	 Φ40	-	1	LAY4-BS142	0.0800	
		 Φ40	1	1	LAY4-BS145	0.0912	
Indicator							
 LAY4-BL....	Double button		-	1	LAY4-BL8325		
			-	1	LAY4-BL8312		
			1	1	LAY4-BL8425		
			1	1	LAY4-BL8412		
 LAY4-BL....	Double key square head take a light button Direct take LED		1	1	LAY4-BL8365	0.0450	
			1	1	LAY4-BL8465	0.0417	

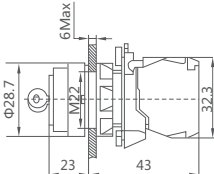
The spring coil reset a button

Elucidation	Position	Contact type		Reference	Weight	Size
		NO	NC			
 XB5-AA..	Flat push-button	White	1	-	XB5-AA11	0.025
		Black	1	-	XB5-AA21	0.025
		Green	1	-	XB5-AA31	0.025
		Yellow	1	-	XB5-AA51	0.025
		Blue	1	-	XB5-AA61	0.025
		Red	-	1	XB5-AA42	0.025
		Green	1	1	XB5-AA35	0.036
		Red	1	1	XB5-AA45	0.036
 XB5-AL..	Extended push button	White	1	-	XB5-AL11	0.029
		Black	1	-	XB5-AL21	0.029
		Green	1	-	XB5-AL31	0.029
		Yellow	1	-	XB5-AL51	0.029
		Blue	1	-	XB5-AL61	0.029
		Red	-	1	XB5-AL42	0.029
		Green	1	1	XB5-AL35	0.040
		Red	1	1	XB5-AL45	0.040

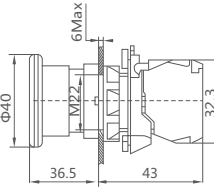
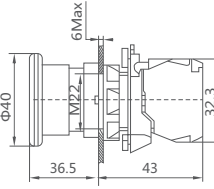
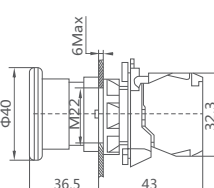
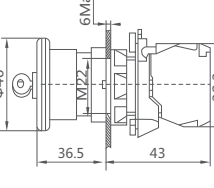
Choice type switch

		Contact type		Reference	Weight	Size
		NO	NC			
 XB5-AD..	2 position maintained	1	-	XB5-AD21	0.031	
		1	1	XB5-AD25	0.042	
	2 position self-return	1	-	XB5-AD41	0.031	
		1	1	XB5-AD45	0.042	
 XB5-AJ..	3 position maintained	2	-	XB5-AD33	0.042	
	3 position self-return	2	-	XB5-AD53	0.042	
	2 position maintained	1	-	XB5-AJ21	0.035	
		1	1	XB5-AJ25	0.046	
		1	-	XB5-AJ41	0.035	
		1	1	XB5-AJ45	0.046	
		2	-	XB5-AJ33	0.046	
	3 position self-return	2	-	XB5-AJ53	0.046	

Key choice switch

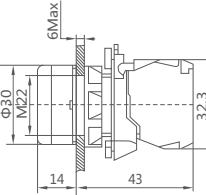
Elucidation	Color	Contact type		Reference	Weight	Size
		NO	NC			
 XB5-AJ..	2 position switch with key	1	-	XB5-AG21	0.055	
		1	1	XB5-AG25	0.066	
	3 position switch with key	1	-	XB5-AG41	0.055	
		1	1	XB5-AG45	0.066	
		1	-	XB5-AG61	0.055	
		1	1	XB5-AG65	0.066	
		2	-	XB5-AG33	0.066	
		2	-	XB5-AG53	0.066	
		2	-	XB5-AG03	0.068	
		2	-	XB5-AG73	0.068	

Nasty stop a mushroom button

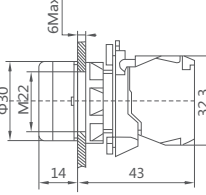
 XB5-AC..	Φ40mm Mushroom head button	Black	1	-	XB5-AC21	0.050	
		Green	1	-	XB5-AC31	0.050	
		Yellow	1	-	XB5-AC51	0.050	
		Red	-	1	XB5-AC42	0.050	
		Green	1	1	XB5-AC35	0.061	
		Red	1	1	XB5-AC45	0.061	
 XB5-AS...	Emergency stop switch	Φ40	-	1	XB5-AS542	0.045	
		Φ40	1	1	XB5-AS545	0.056	
 XB5-AT..	Push-pull button	Φ40	-	1	XB5-AT42	0.055	
		Φ40	1	1	XB5-AT45	0.066	
 XB5-AS1..	Emergency stop switch with key	Φ40	-	1	XB5-AS142	0.065	
		Φ40	1	1	XB5-AS145	0.076	

XB5
Push-botton Switch and Indicator Light

The crew cut take a light button

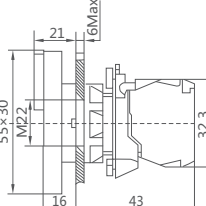
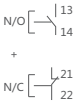
Elucidation	Color	Contact type		Reference	Weight	Size
						
Direct≤220V	 White	1	-	XB5-AW3161	0.037	
	 Green	1	-	XB5-AW3361	0.037	
	 Red	-	1	XB5-AW3462	0.037	
	 Yellow	1	-	XB5-AW3561	0.037	
	 Blue	1	-	XB5-AW3661	0.037	

XB5-AW..

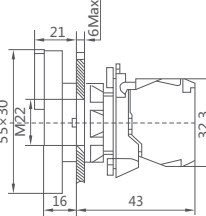
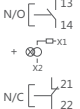
	 White		XB5-AV61	0.025	
	 Green		XB5-AV63	0.025	
	 Red		XB5-AV64	0.025	
	 Yellow		XB5-AV65	0.025	
	 Blue		XB5-AV66	0.025	

XB5-AV..

Double key button switch

	Double key button switch	IP40 	XB5-AL8325	0.038	
		IP40 	XB5-AL8425	0.038	

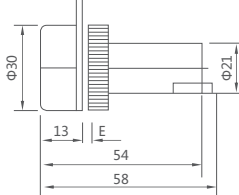
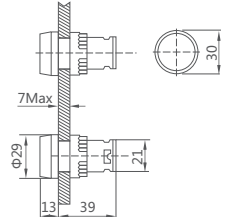
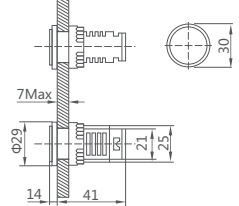
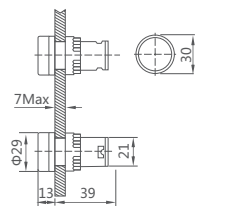
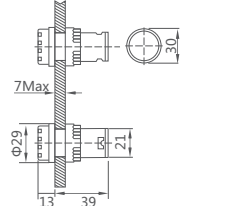
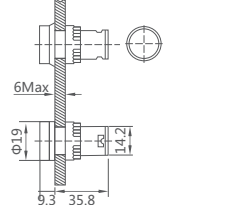
XB5-AL....

	Direct Double key square the head take a light a button resistance type	IP40 	XB5-AW8465	0.051	
		IP40 	XB5-AW8365	0.051	

XB5-AW....

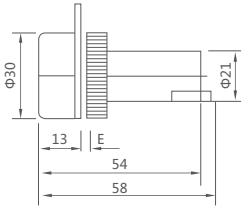
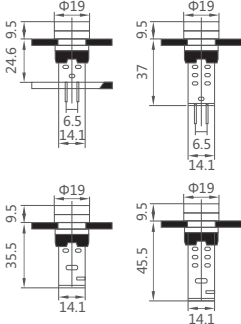
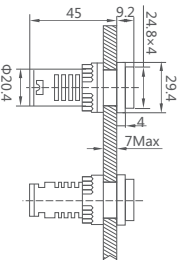
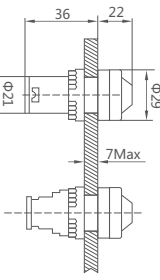
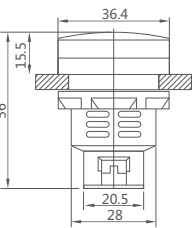
AD22
Indicator

Semi-conductor economy energy indicator (LED)

Elucidation	Color	Reference	Weight (kg)	Size
 Contain LED New type	 Green	AD22-22A G	0.0193	
	 Red	AD22-22A R	0.0193	
	 Yellow	AD22-22A Y	0.0193	
	 Blue	AD22-22A B	0.0193	
	 White	AD22-22A W	0.0193	
 The LED electronics economy energy indicator Install size Φ22 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22BS G	0.0203	
	 Red	AD22-22BS R	0.0203	
	 Yellow	AD22-22BS Y	0.0203	
	 Blue	AD22-22BS B	0.0203	
	 White	AD22-22BS W	0.0203	
 The LED electronics economy energy indicator Install size Φ22 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22CS G	0.0185	
	 Red	AD22-22CS R	0.0185	
	 Yellow	AD22-22CS Y	0.0185	
	 Blue	AD22-22CS B	0.0185	
	 White	AD22-22CS W	0.0185	
 The LED electronics economy energy indicator Install size Φ22 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22DS G	0.0212	
	 Red	AD22-22DS R	0.0212	
	 Yellow	AD22-22DS Y	0.0212	
	 Blue	AD22-22DS B	0.0212	
	 White	AD22-22DS W	0.0212	
 The LED electronics economy energy indicator Install size Φ22 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22ES G	0.0200	
	 Red	AD22-22ES R	0.0200	
	 Yellow	AD22-22ES Y	0.0200	
	 Blue	AD22-22ES B	0.0200	
	 White	AD22-22ES W	0.0200	
 The LED electronics economy energy indicator Install size Φ16 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD16-16DS G	0.0182	
	 Red	AD16-16DS R	0.0182	
	 Yellow	AD16-16DS Y	0.0182	
	 Blue	AD16-16DS B	0.0182	
	 White	AD16-16DS W	0.0182	

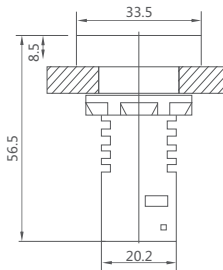
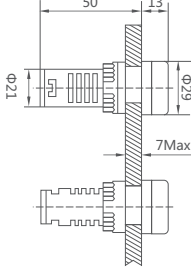
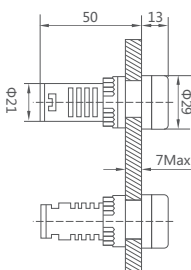
AD22
Indicator

Semi-conductor economy energy indicator (LED)

	Elucidation	Color	Reference	Weight (kg)	Size
	Buzzer	 Red	AD22-16FM R	0.0024	
		 Red	AD22-SM R	0.0024	
	Flash buzzer	 Red	AD22-SM R	0.0024	
		 Red	AD22-SM R	0.0024	
	The LED electronics economy energy indicator Install size Ø16 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22CS G	0.0190	
		 Red	AD22-22CS R	0.0190	
		 Yellow	AD22-22CS Y	0.0190	
		 Blue	AD22-22CS B	0.0190	
		 White	AD22-22CS W	0.0190	
	The LED electronics economy energy indicator Install size Ø22 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22F G	0.0203	
		 Red	AD22-22F R	0.0203	
		 Yellow	AD22-22F Y	0.0203	
		 Blue	AD22-22F B	0.0203	
		 White	AD22-22F W	0.0203	
	The LED electronics economy energy indicator Install size Ø22 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-22HS G	0.0190	
		 Red	AD22-22HS R	0.0190	
		 Yellow	AD22-22HS Y	0.0190	
		 Blue	AD22-22HS B	0.0190	
		 White	AD22-22HS W	0.0190	
	The LED electronics economy energy indicator Install size Ø30 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	AD22-30D G	0.0250	
		 Red	AD22-30D R	0.0250	
		 Yellow	AD22-30D Y	0.0250	
		 Blue	AD22-30D B	0.0250	
		 White	AD22-30D W	0.0250	

AD22
Indicator

Semi-conductor economy energy indicator (LED)

	Elucidation	Color	Reference	Weight (kg)	Size
	Circuit breaker position indicator X0X1 power on  red light X0X2 power on  red light	 Green	AD22-22WY G	0.0029	
		 Red	AD22-22WY R	0.0029	
		 Green	AD22-22WF G	0.0029	
		 Red	AD22-22WF R	0.0029	
	Disconnecting switch position indicator X0X1 power on  red light X0X2 power on  red light	 Green	AD22-W/N G	0.0028	
		 Red	AD22-W/N R	0.0028	
	Ground lead position indicator X1X2 power on  red light	 Green	AD22-WN G	0.0028	
		 Red	AD22-WN R	0.0028	
		 Green	AD22-WN G	0.0028	
		 Red	AD22-WN R	0.0028	



COB-61



COB-61A



COB-64



COB-64A

Applicable scope

COB series is suitable for using in the circuit that frequency 50/60Hz, rated voltage up to AC380V or DC250V. It is mainly used outdoor, and could be used in snowy, dusty environment, for the remote controlling of the crane, hoist and other equipments.

Working and mounting condition

- 1. Ambient temperature: -5?~+40?, average temperature≤+35? in 24h
- 2. Altitude≤2000m
- 3. Air condition: when temperature up to 40?, the humidity should be ≤ 50%, temperature lower, the humidity higher, for example, humidity would be 90% when temperature is +20?. Occasionally, due to temperature changes resulting condensation, special measures should be taken.
- 4. Pollution degree :
- 5. Mounting type: Type II
- 6. No significant shake, shock and vibration
- 7. In the absence of explosive medium, the medium does not enough to corrode metal and damage the insulation.

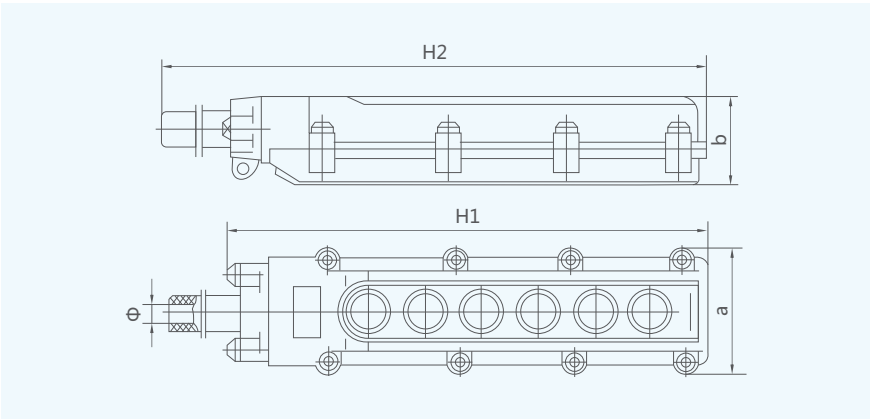
Specifications

Contact capacity

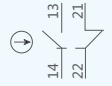
Using category	Rated working voltage Ue(V)	Rated working current Ie(A)
AC-15	380	2.5
	220	4.5
DC-13	220	0.3
	110	0.6

Outline and installation dimensions

Model	a	b	H1	H2	Φ
COB-61Δ	68	50	127	224	2 or 15
COB-62Δ	68	50	197	308	2 or 15
COB-63Δ	68	50	257	368	2 or 15
COB-64Δ	68	50	317	428	18
COB-65Δ	68	50	377	488	18
COB-61□Δ	68	70	same as COB-6□		

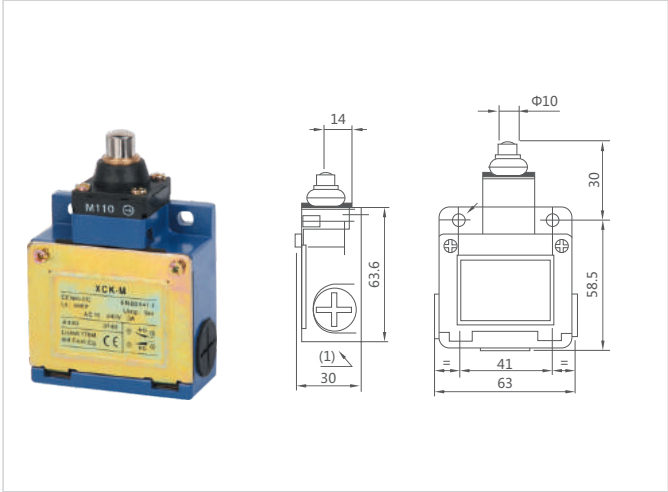


Characteristics / Application

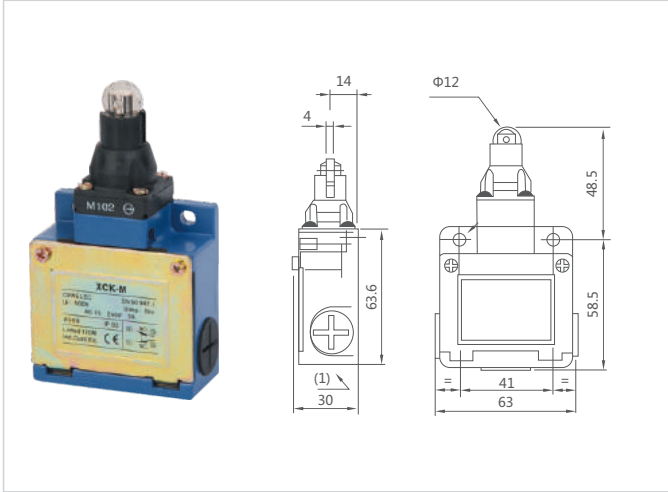
Item	TXCK-M mode, metal three line incoming mouths					
 2-pole contact terminal Quick	Metal head directacting type	Meta steel-roller directacting type	Metal thermoplastic roller tumbler directacting type, Single direction with horizontalmovement	Adjustable length and thermoplastic rooler tumbler type	Metal thermoplastic roller tumbler directacting type	Multidirection
Machine life (million times)	15	15	15	15	15	10
Motion speed (m/s)	0.5	1	1	1.5	1	1.5
Protection degree	IP65					
Rated work characters	ALTIPAK AC 15; A 300(UE=240V, LE=3A) ALTIVAR DC13; Q 300(UE=250V, LE=0.27A)					
Boundary dimensions: Width×depth×height	60×30×64					
Complete switch (2 poles 1-close+1-ope, quick)	XCK-M110 ⊕	XCK-M102 ⊕	XCK-M121 ⊕	XCK-M141 XCK-M139 ⊕	XCK-M115 ⊕	XCK-M106 XCK-M108 ⊕

External appearance size

XCK-M110

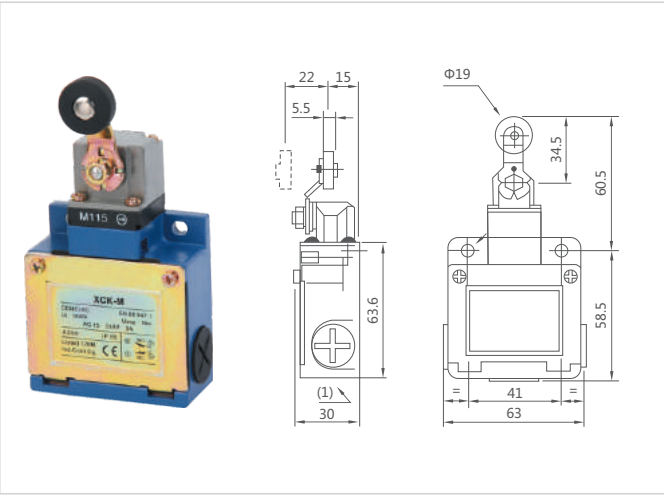


XCK-M102

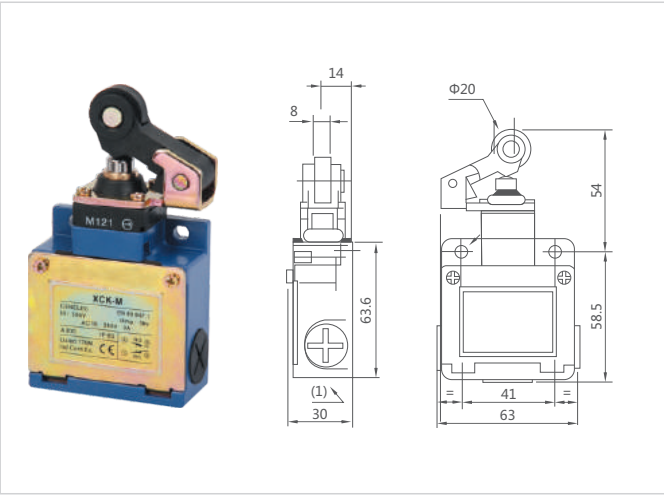


XCK-M
Limit Switch

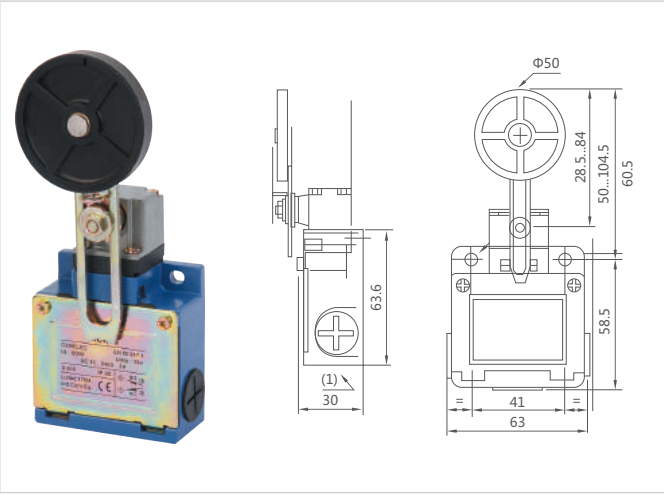
XCK-M115



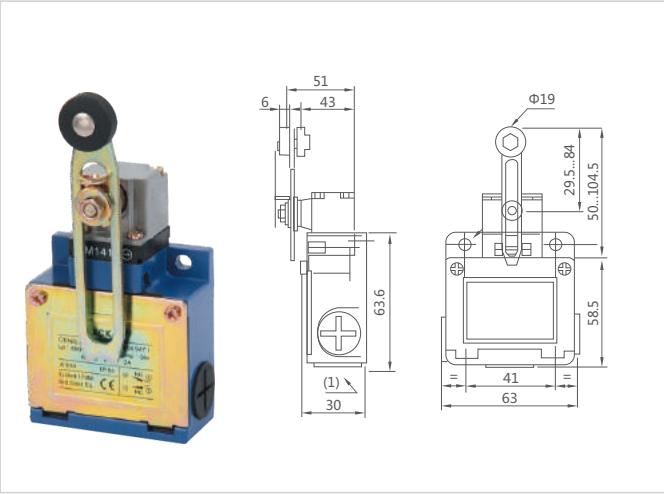
XCK-M121



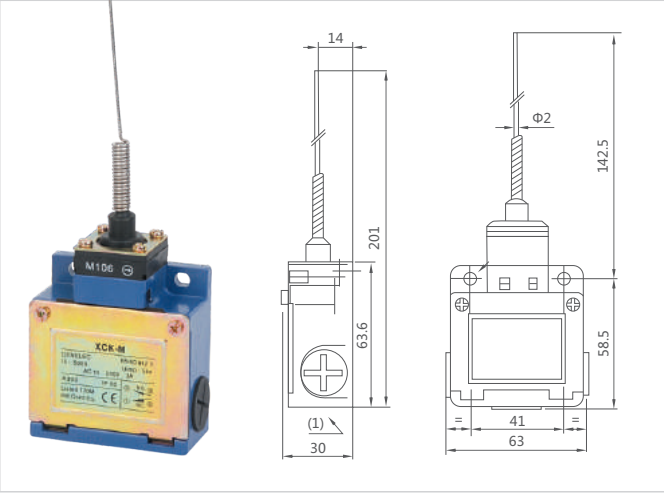
XCK-M139



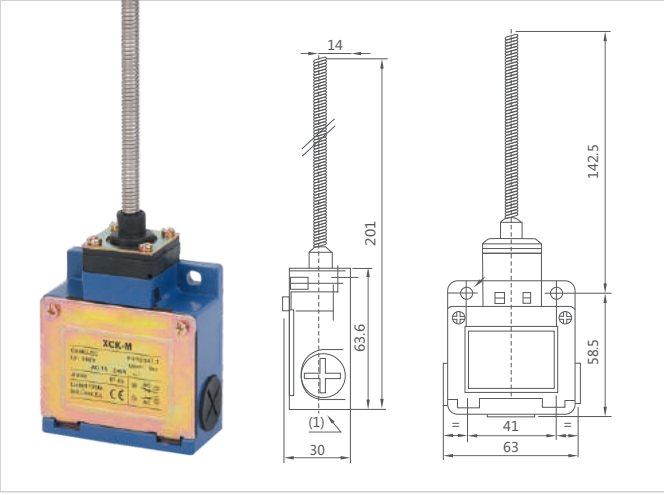
XCK-M141



XCK-M106

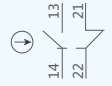


XCK-M108



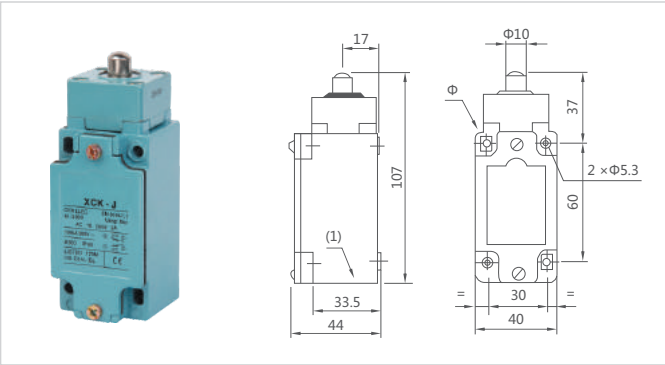
XCK-J
Limit Switch

Characteristics / Application

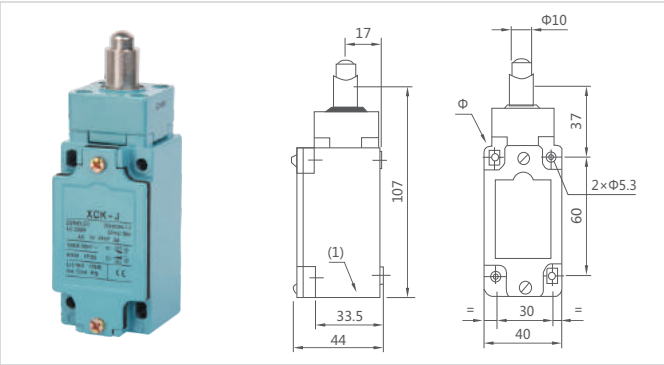
Item	TXCK-J mode double insulation, according to cenelec EN50041						
 2-pole contact terminal Quick	Metal head directacting type	Meta steel-roller directacting type	Metal thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic rooler tumbler type	Metal thermoplastic cylindrical tumbler type Diameter=6mm Length=200mm	Thermoplastic roller tumbler directacting type, Single direction with horizontal movement	Multidirection type
Machine life (million times)	30	25	30	30	30	15	30
Motion speed (m/s)	0.5	1	1.5	1.5	1.5	1	1.5
Protection degree	IP65						
Rated work characters	ALTIPAK AC 15; A 300(UE=240V, LE=3A) ALTIVAR DC13; Q 300(UE=250V, LE=0.27A)						
Boundary dimensions: Width×depth×height	41×41×77						
Complete switch (2 poles 1-close+1-ope, quick)	XCK-J161 XCK-J1161 ⊙	XCK-J167 ⊙	XCK-J10511 XCK-J10531 ⊙	XCK-J10541 XCK-J139 ⊙	XCK-J10559 ⊙	XCK-J121 ⊙	XCK-J108 ⊙

External appearance size

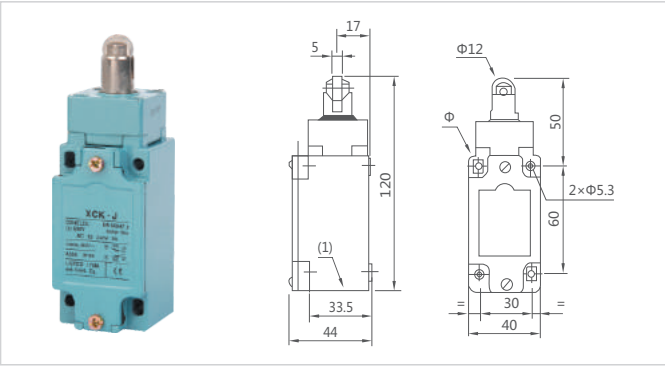
XCK-J161



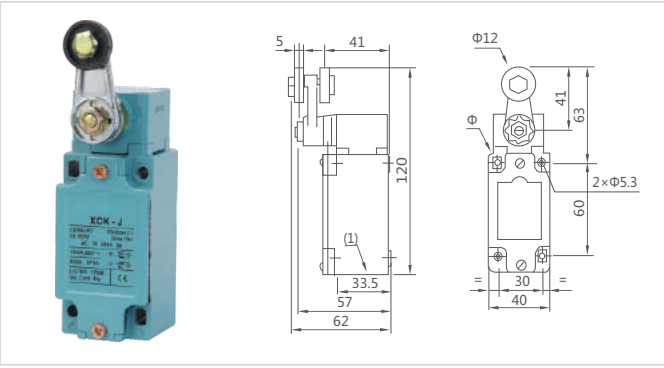
XCK-J1161



XCK-J167

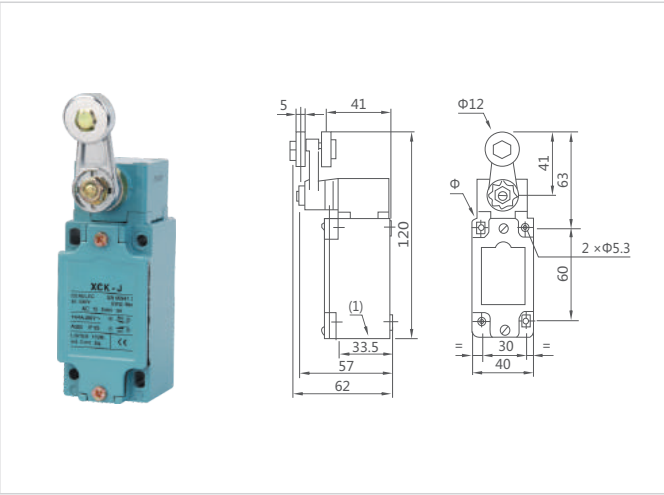


XCK-J10511

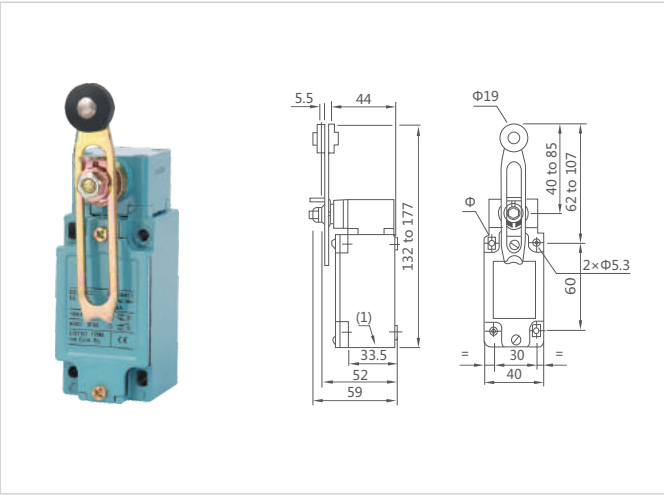


XCK-J
Limit Switch

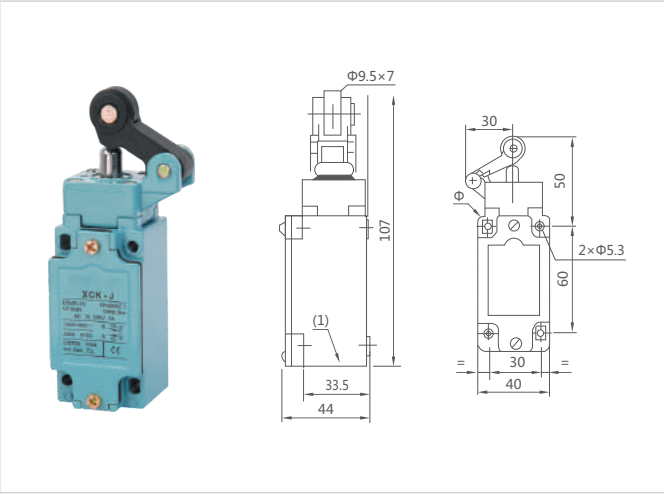
XCK-J10531



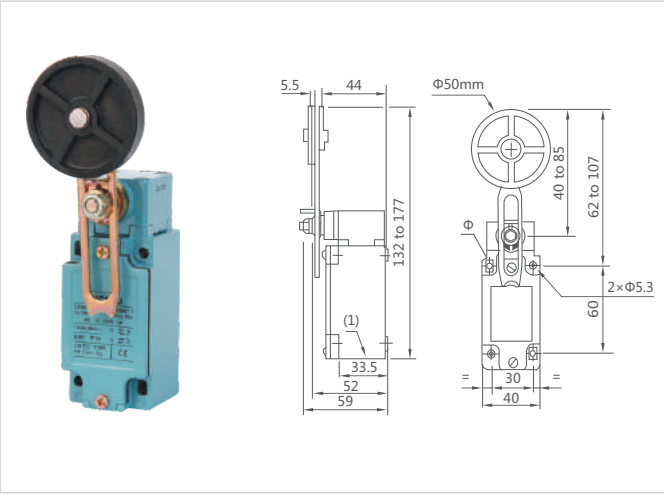
XCK-J10541



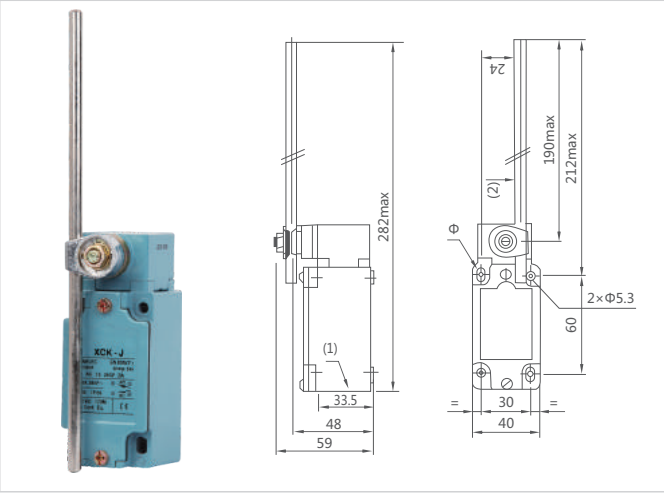
XCK-J121



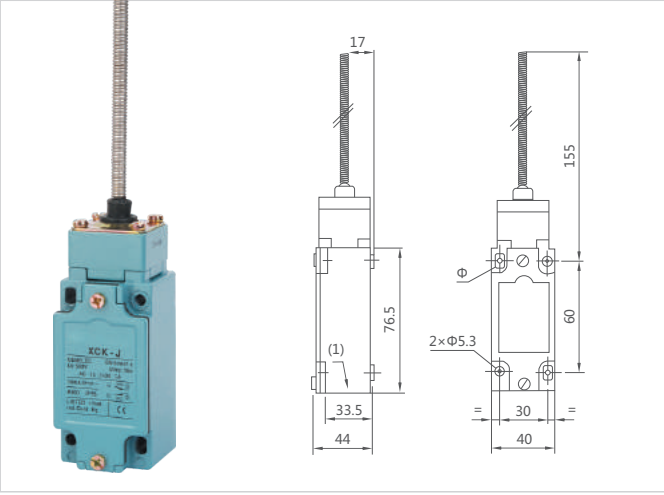
XCK-J139



XCK-J10559



XCK-J108

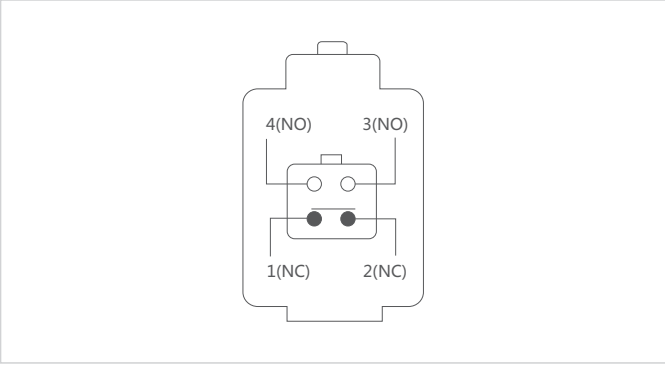


XCK-P
Limit Switch

Characteristics / Application

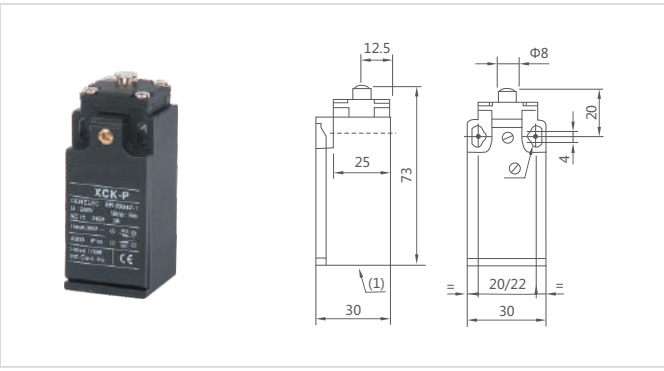
Item	TXCK-P mode double insulation, according to cenelec EN50047 oneline incoming mouth						
 2-pole contact terminal Quick	Metal head directacting type	Stell-roller directacting type	Metal thermoplastic roller tumbler directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Cylindrical tumbler type glass fabric cup Diameter=3mm Length=125mm	Multidirection type
Machine life (million times)	15	10	15	15	10	10	5
Motion speed (m/s)	0.5	0.3	1	1	1.5	1	1
Protection degree	IP65						
Rated work characters	ALTIPAK AC 15; A 300(UE=240V, LE=3A) ALTIVAR DC13; Q 300(UE=250V, LE=0.27A)						
Boundary dimensions: Width×depth×height	30×30×63						
Complete switch (2 poles 1-close+1-ope, quick)	XCK-P110 ⤵	XCK-P102 ⤵	XCK-P118 ⤵	XCK-P121 XCK-P128 ⤵	XCK-P139 XCK-P145 ⤵	XCK-P155 ⤵	XCK-P106 ⤵

Contact form

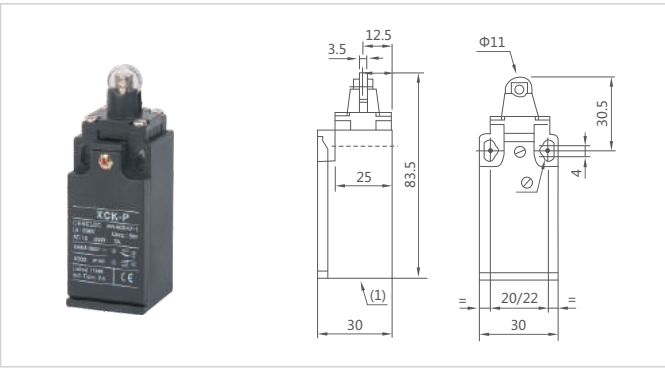


External appearance size

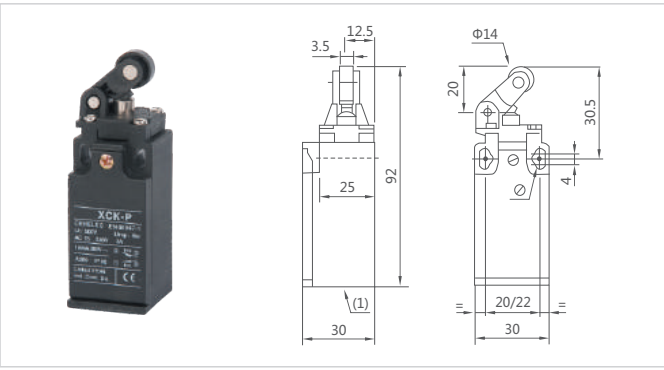
XCK-P110



XCK-P102

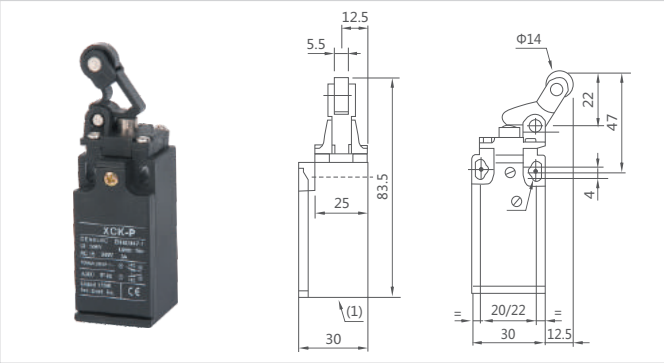


XCK-P121

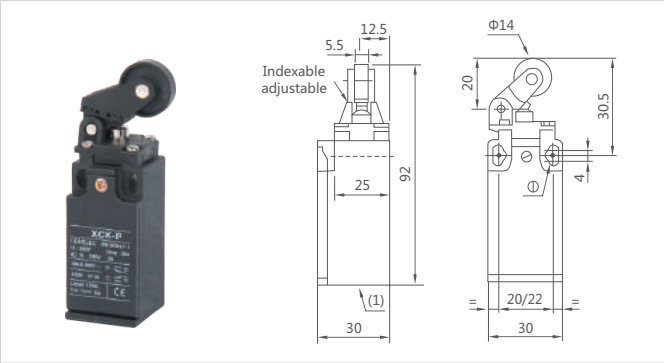


XCK-P
Limit Switch

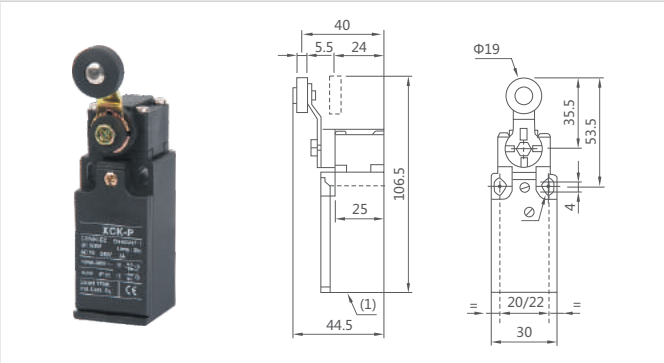
XCK-P127



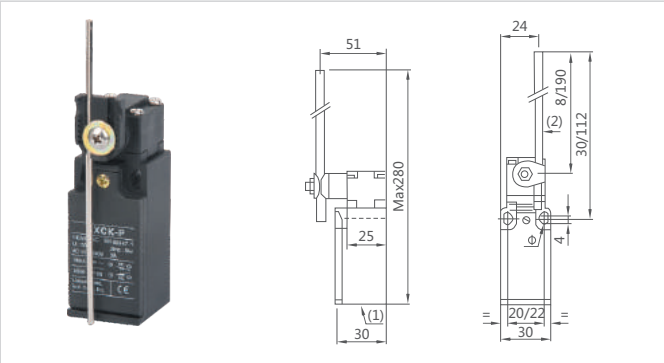
XCK-P128



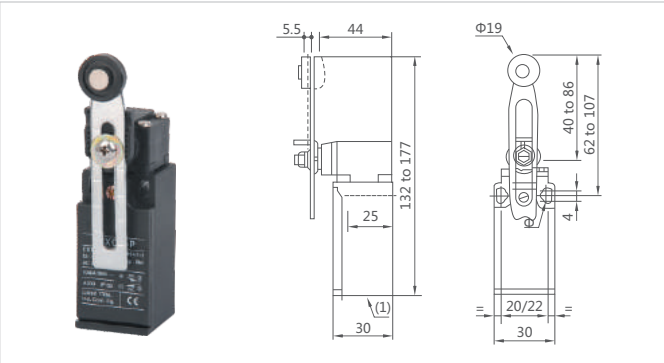
XCK-P118



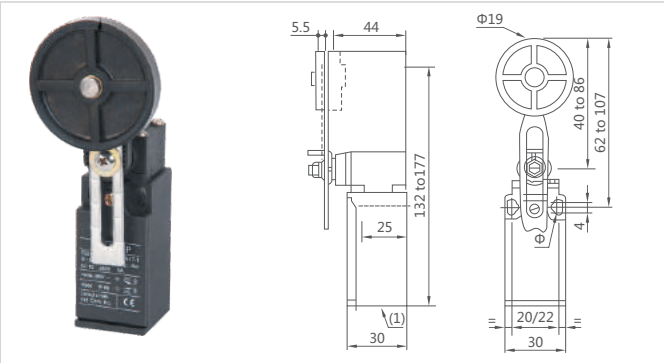
XCK-P155



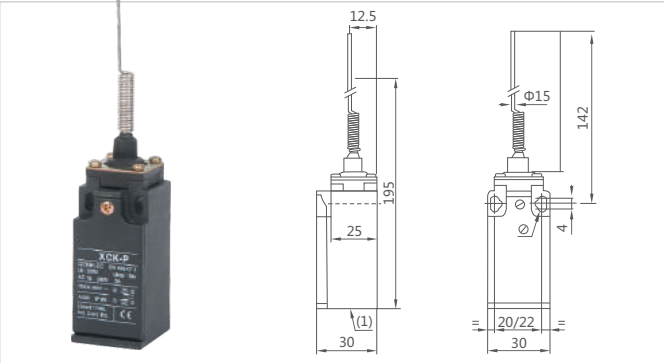
XCK-P145



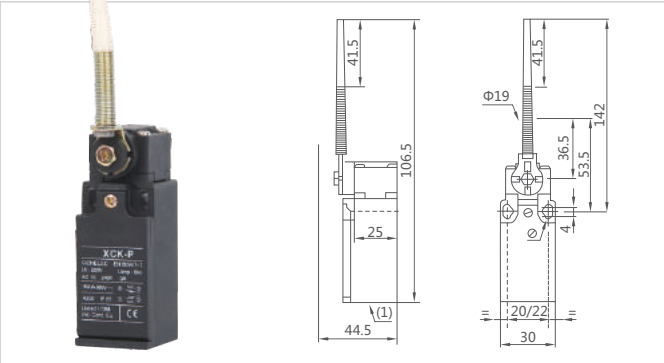
XCK-P139



XCK-P106



XCK-P181



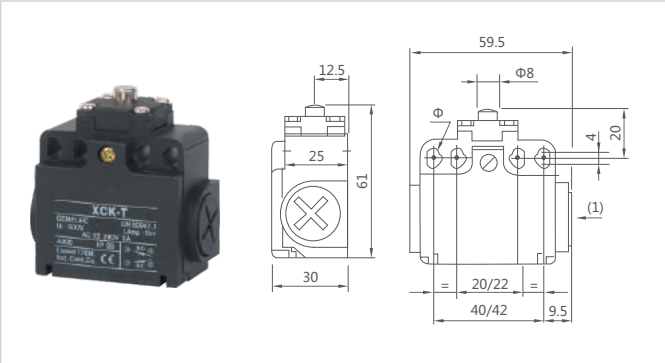
XCK-T
Limit Switch

Characteristics / Application

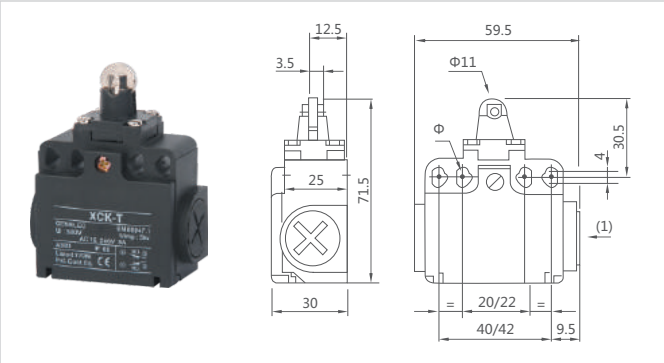
Item	TXCK-T mode double insulation, according to cenelec EN50047 oneline incoming mouth						
 2-pole conact terminal Quick	Metal head directacting type	Thermoplastic roller directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Cylindrical tumbler type glass fabric cup Diameter=3mm Length=125mm	Thermoplastic roller tumbler directacting type	Multidirection type
Machine life (million times)	15	10	15	15	15	10	10
Motion speed (m/s)	0.5	0.3	1	1.5	0.5	1.5	1.5
Protection degree	IP65						
Rated work charactrs	ALTIPAK AC 15; A 300(UE=240V, LE=3A) ALTIVAR DC13; Q 300(UE=250V, LE=0.27A)						
Boundary dimensions: Width×depth×height	58×30×50						
Complete switch (2 poles 1-close+1-ope, quick)	XCK-T110 ⤵	XCK-T102 ⤵	XCK-T118 ⤵	XCK-T139 XCK-T145 ⤵	XCK-T155 ⤵	XCK-T121 XCK-T128 ⤵	XCK-T106 ⤵

External appearance size

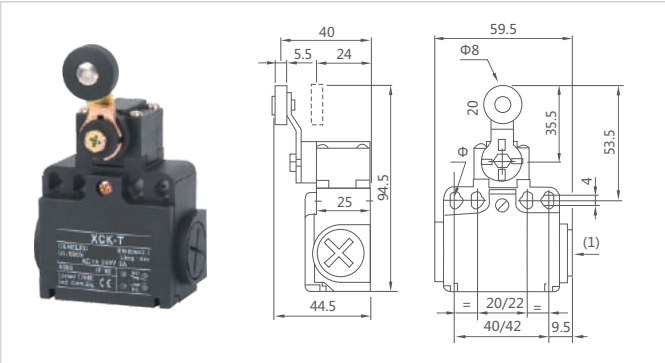
XCK-T110



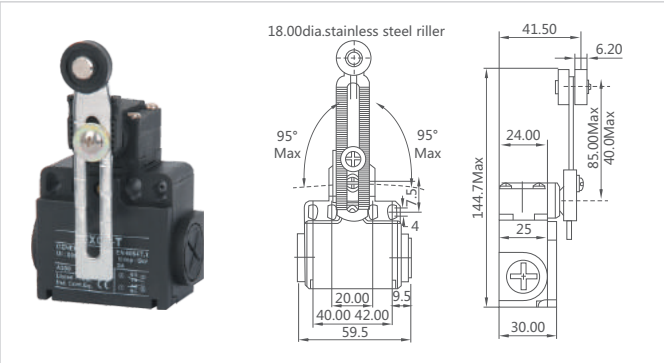
XCK-T102



XCK-T118

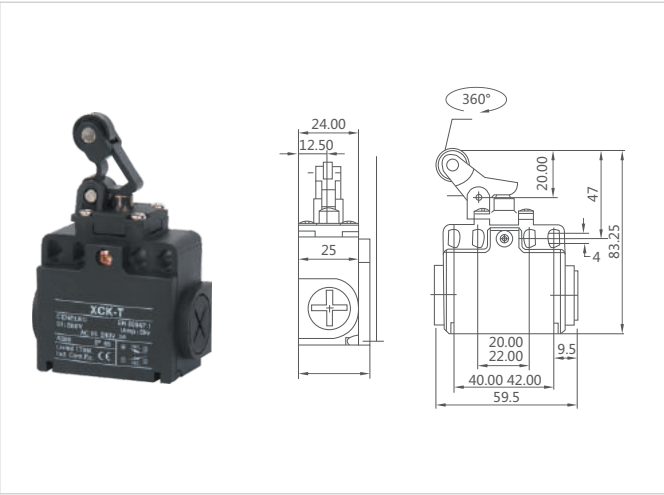


XCK-T145

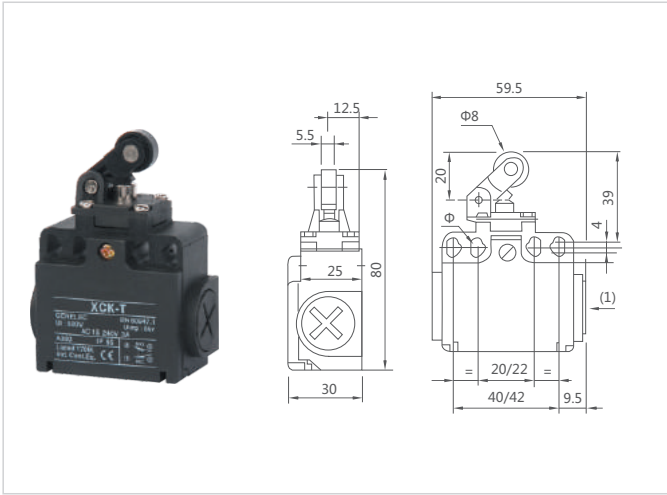


XCK-T
Limit Switch

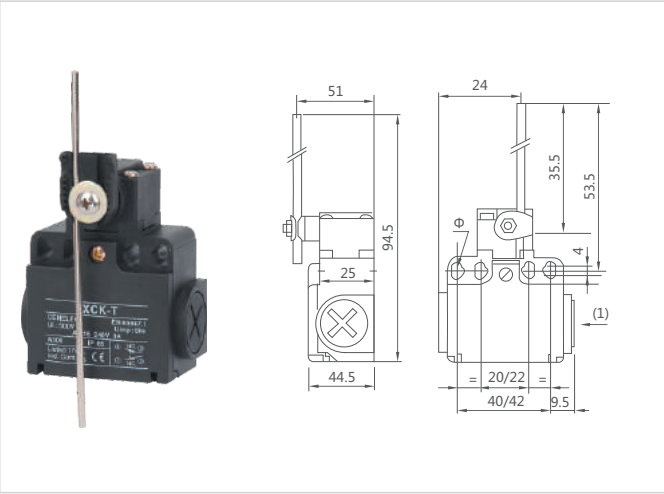
XCK-T127



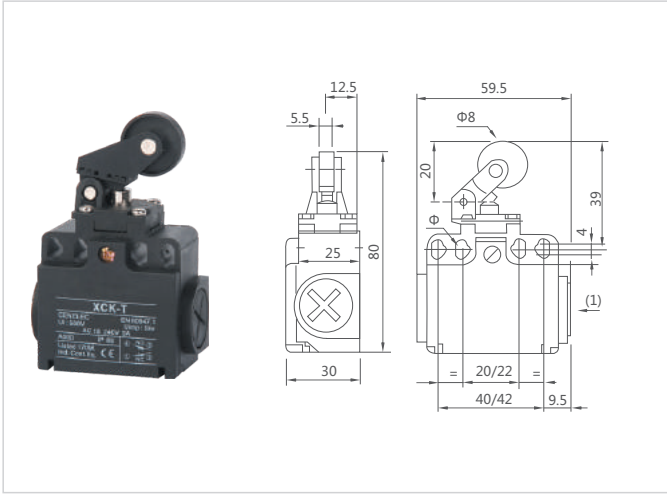
XCK-T121



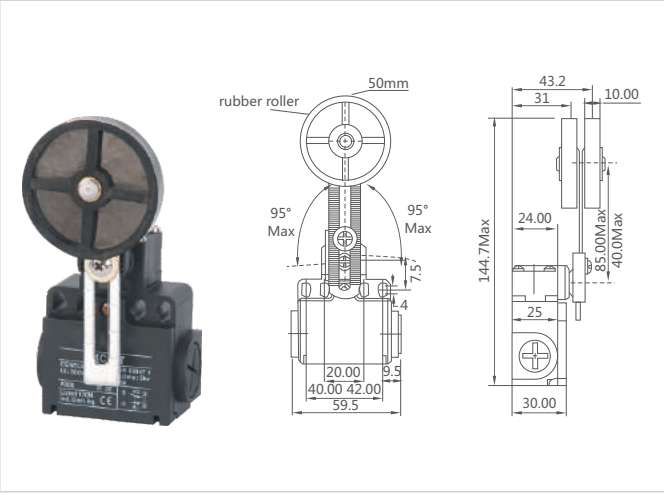
XCK-T155



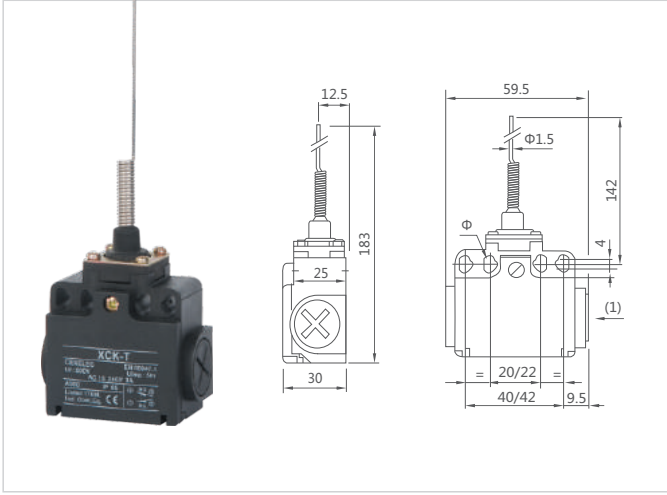
XCK-T128



XCK-T139

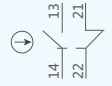


XCK-T106



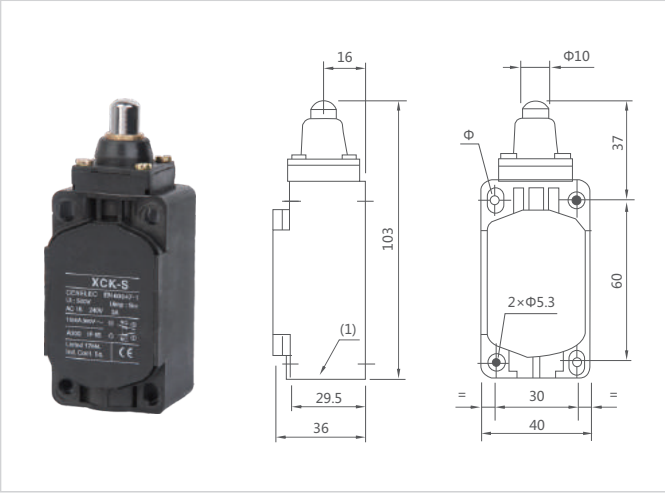
XCK-S
Limit Switch

Characteristics / Application

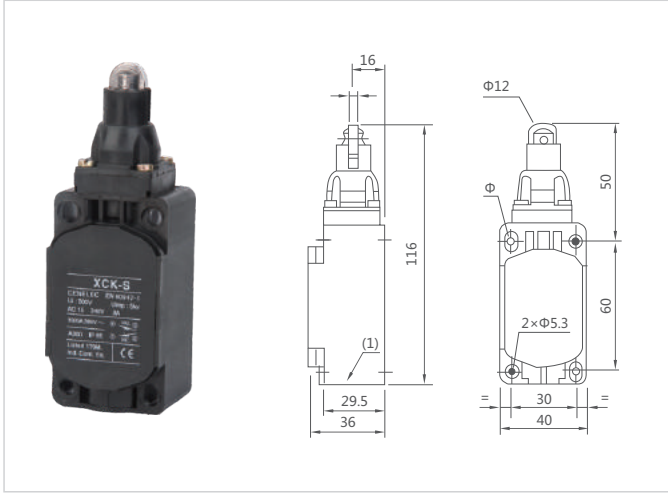
Item	TXCK-S mode double insulation, according to cenelec EN50041						
 2-pole contact terminal Quick	Multidirection type	Metal head directacting type	Steel-roller directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Adjustable length Ruber roller tumbler type Diameter=50mm	Thermoplastic roller tumbler directacting type, Single direction with horizontal movement
Machine life (million times)	5	15	15	15	15	15	15
Motion speed (m/s)	1	0.5	0.5	1.5	1.5	1	1
Protection degree	IP65						
Rated work characters	ALTIPAK AC 15; A 300(UE=240V, LE=3A) ALTIVAR DC13; Q 300(UE=250V, LE=0.27A)						
Boundary dimensions: Width×depth×height	40×36×72.5						
Complete switch (2 poles 1-close+1-ope, quick)	XCK-S106 XCK-S108 ⤵	XCK-S101 ⤵	XCK-S102 ⤵	XCK-S131 ⤵	XCK-S141 ⤵	XCK-S139 ⤵	XCK-S121 ⤵

External appearance size

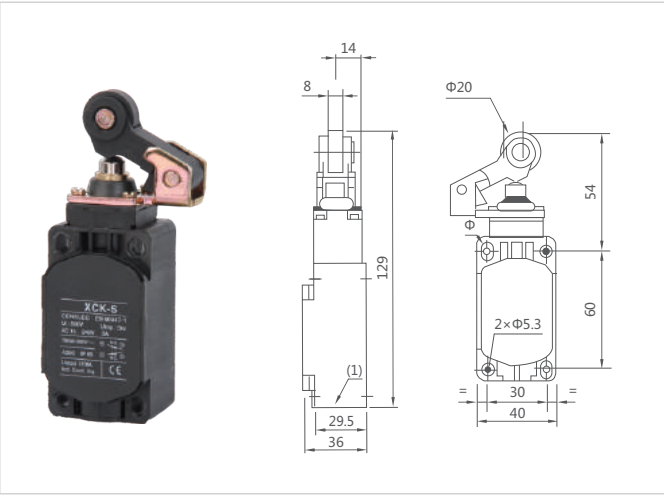
XCK-S101



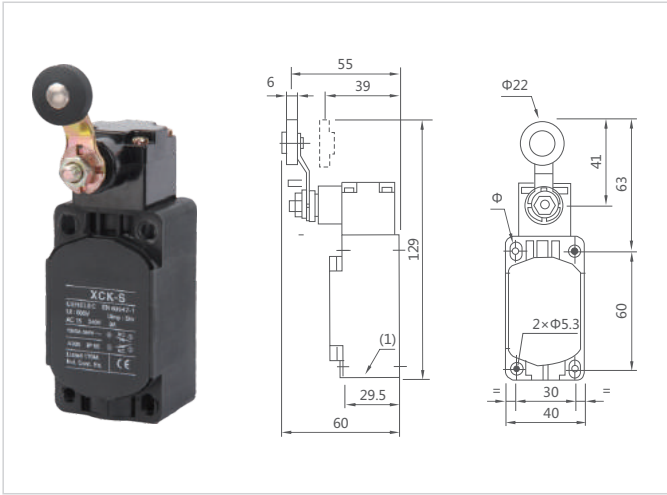
XCK-S102



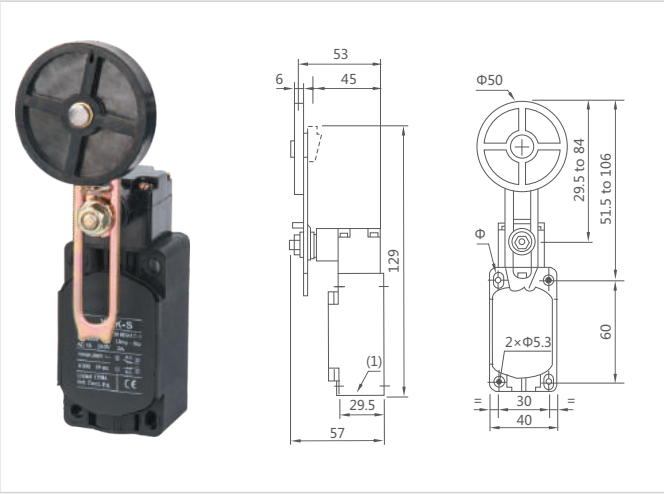
XCK-S121



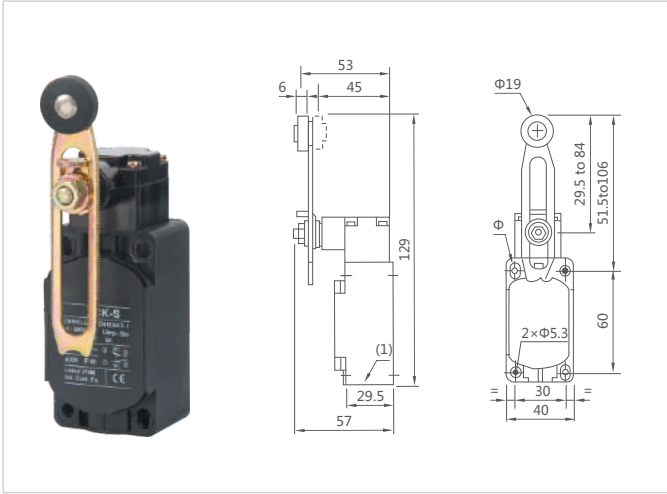
XCK-S131



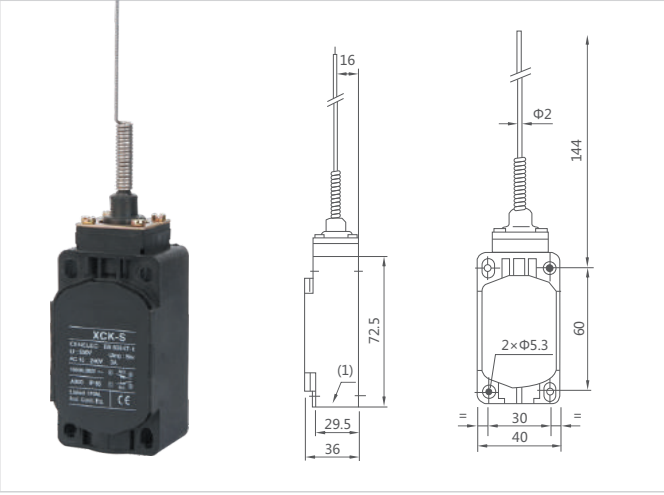
XCK-S139



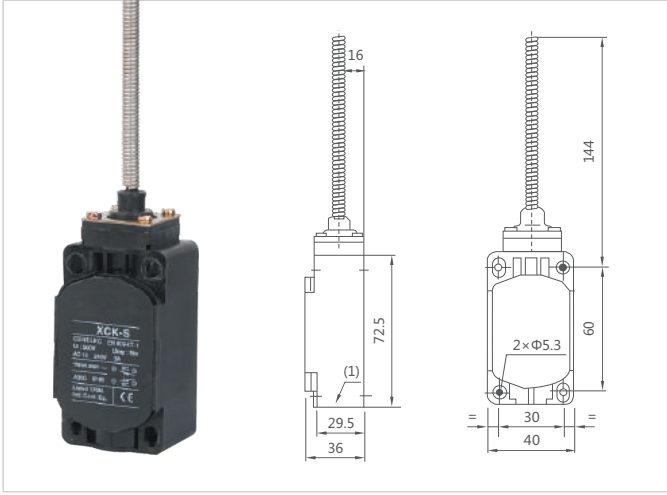
XCK-S141



XCK-S106



XCK-S108



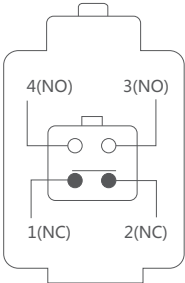
Characteristics / Application

Item	Value	
Characteristics		
Contact arrangement	Form Z	
Initial contact resistance, max 15mΩ	By voltage drop 6 to 8V DC at rated current	
Contact material		
Initial insulation resistance at 500VDC	Min 100mΩ	
Initial breakdown voltage	1000Vrms for 1min between non-connective terminals 2000Vrms for 1min between dead metal parts and each terminal 2000Vrms for 1min between ground and each terminal	
Shock resistance max.	In the free position	10G
	In the operating position	30G
Vibration resistance	Standard type	Max. 55Hz
Life (min. operations)	Mechanical: 10 ⁷ (at 120 cpm)	
	Electrical:	3×10 ⁵ at rated resistive load AC 5A
		3×10 ⁶ Magnetic contactor 200V AC load
Ambient temperature	-20 to +60°C, -4 to +140°C F	
Ambient humidity	< 95%	
Protective construction	IEC IP65	

Specification

Contact voltage	Load	Resisting load	Induced load
AC 125V		5A	3A
AC 250V		5A	2A
DC 115V		0.4A	0.1A

Contact form



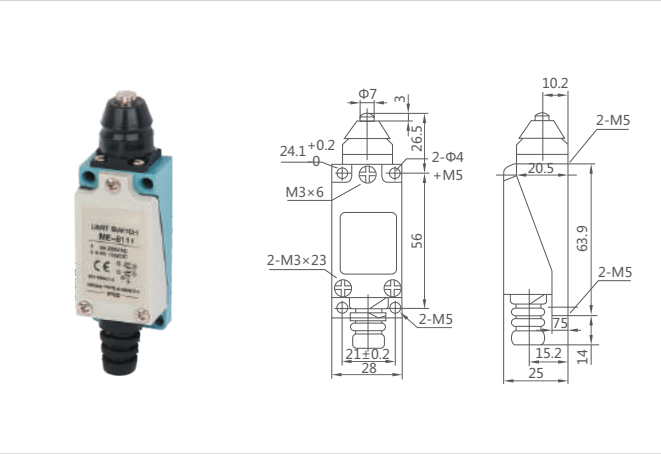
Operating characteristics

Operation speciality	Mode	ME-8104	ME-8108 ME-8108-L	ME-8107
OF (max) RF (min) PT (max) OT (min) MD (max) OP		750g 100g 20° 50° 12°	750g 100g 20° 50° 12°	750g 100g 20° 50° 12°

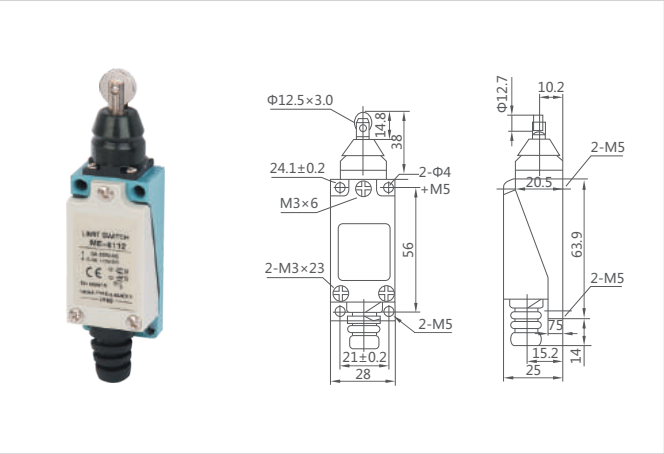
Operation speciality	Mode	ME-8111	ME-8112 ME-8122	ME-8166 ME-9101
OF (max) RF (min) PT (max) OT (min) MD (max) OP		900g 150g 1.5mm° 4mm 1mm 26±0.8mm	900g 150g 1.5mm° 4mm 1mm 37±0.8mm	150g - 30mm - - -

External appearance size

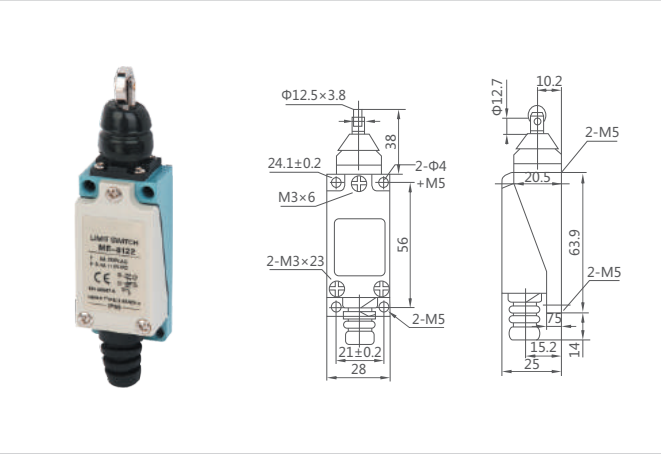
ME-8111



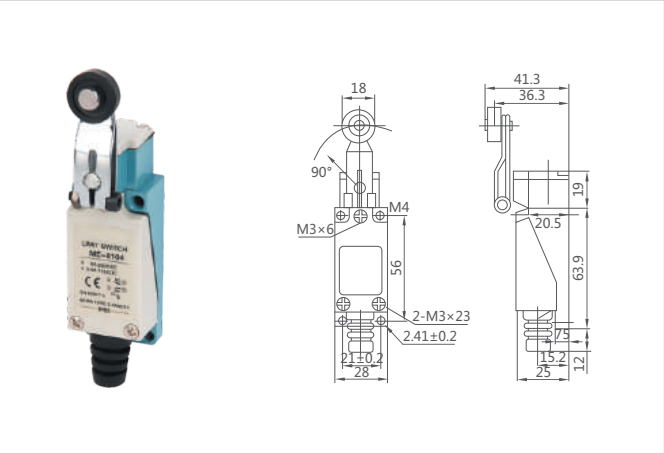
ME-8112



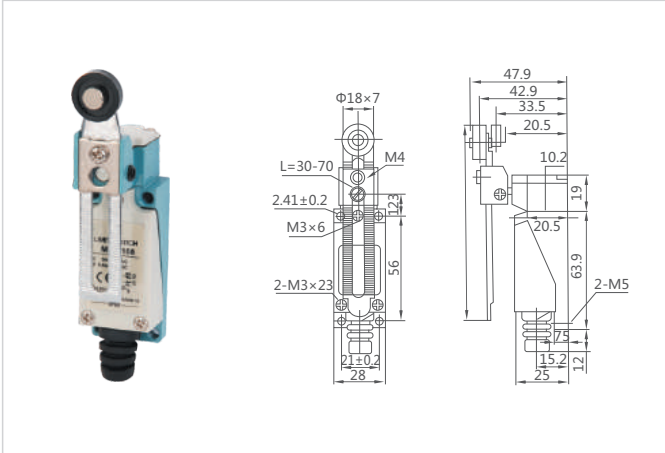
ME-8122



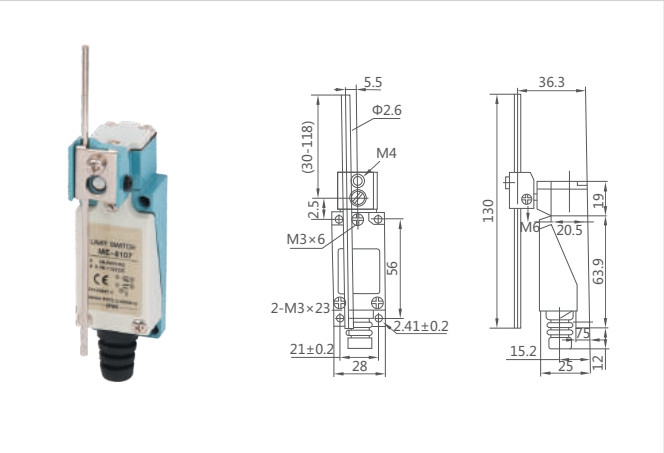
ME-8104



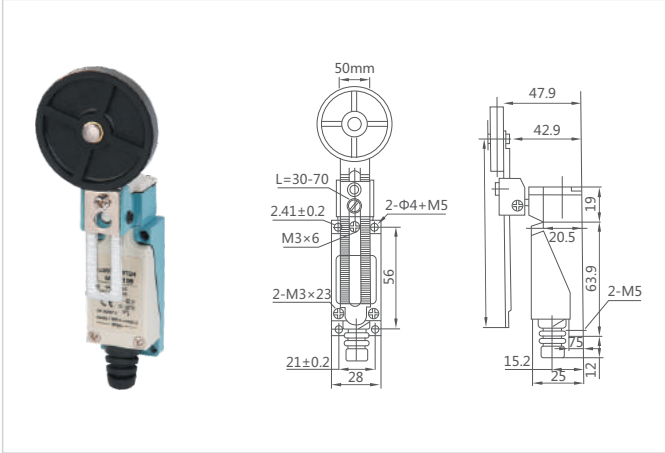
ME-8108



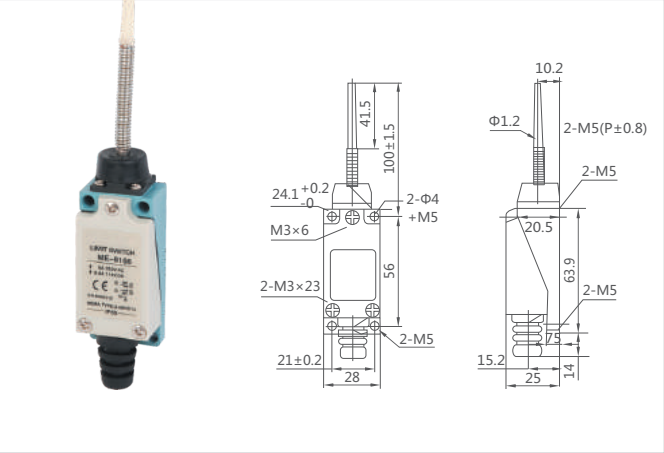
ME-8107



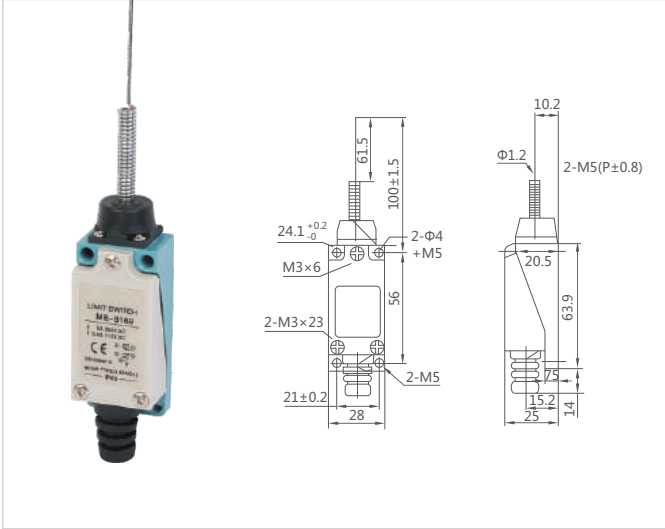
ME-8108-L



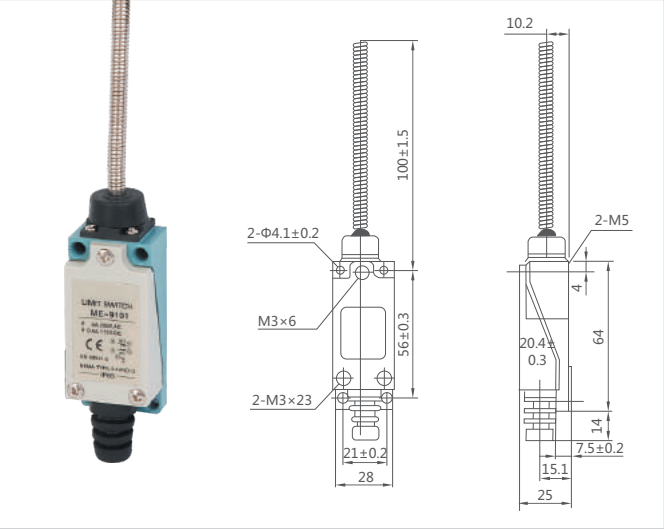
ME-8166



ME-8169



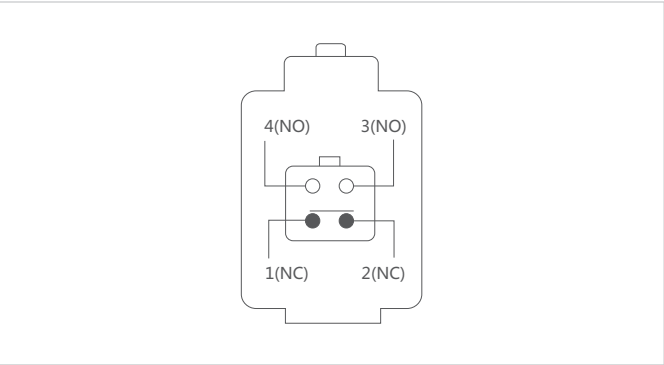
ME-9101



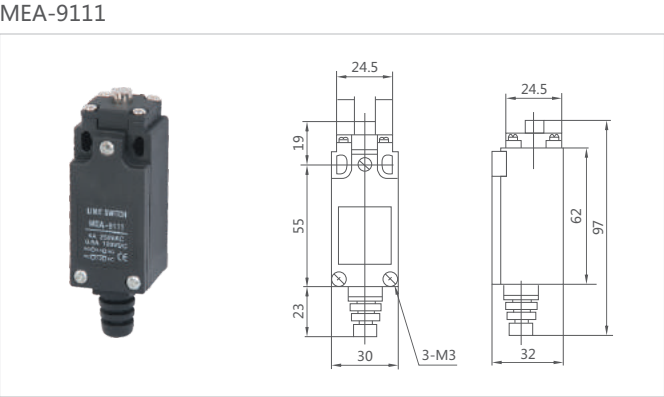
Characteristics / Application

Item		Value
Total plastic enclosure, light weight switch		
Wide choice of heads and actuators		
Captive cover screws		
Dustproof, oil-tight, water-resitant		
Double contacts		NO/NC contacts
Protection degree		IP65
Working range		6A 125 or 250VAC
Insulation resistance		100MΩ max at 500VDC
Max.operating freq.	Mechanical	120 times/m
	Electrical	30 times/m
Life test-electrical mechanical	Mechanical	Above 10000000 times
	Electrical	Above 500000 times
Ambient operating temperature		-25°C~+70°C

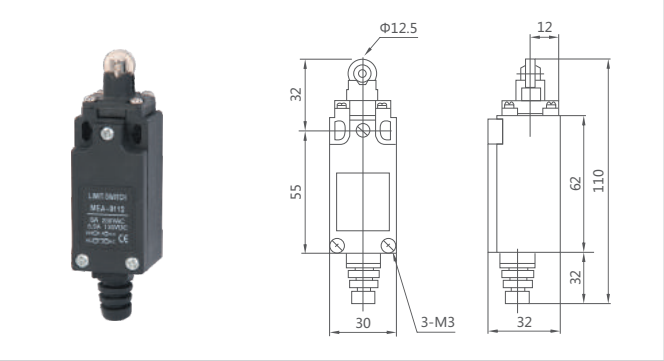
Contact form



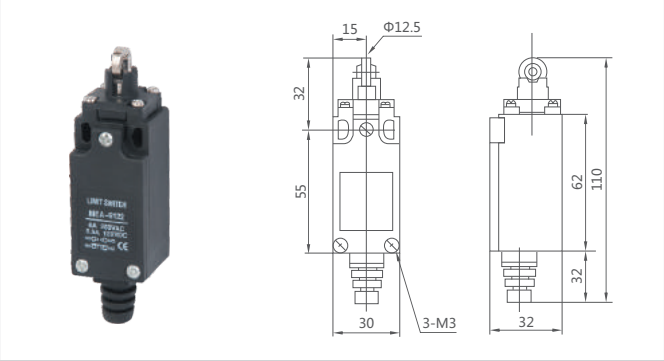
External appearance size



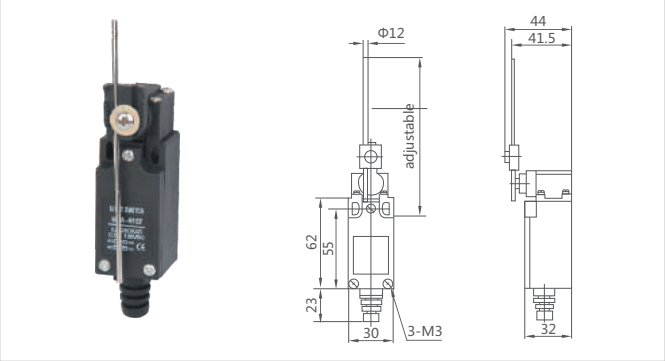
MEA-9112



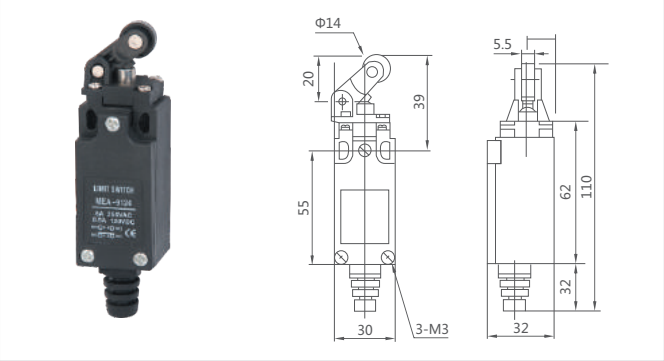
MEA-9122



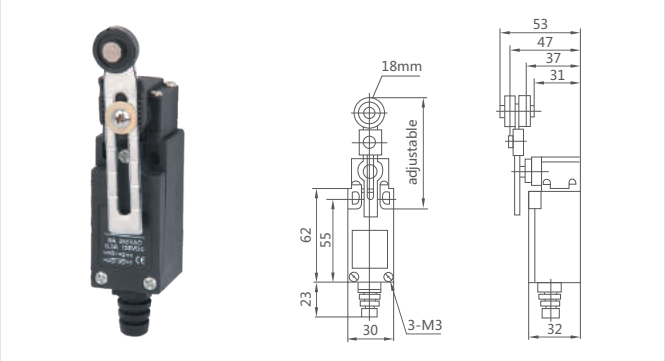
MEA-9107



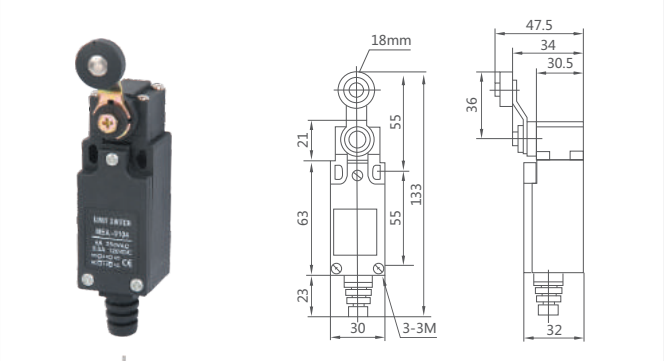
MEA-9124



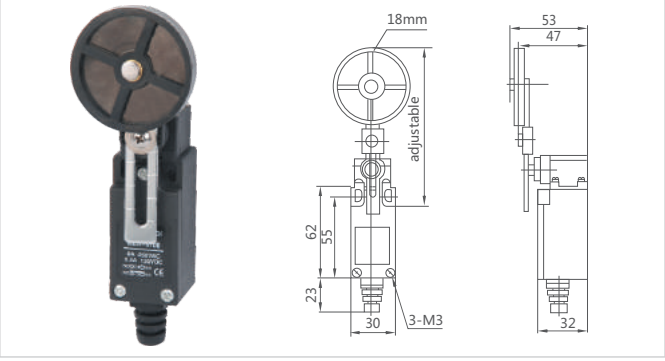
MEA-8108



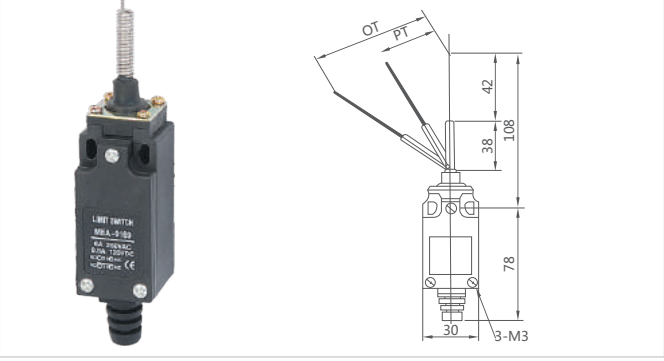
MEA-9104



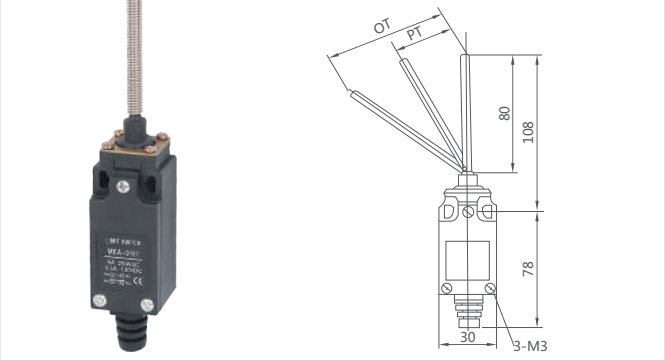
MEA-9108-L



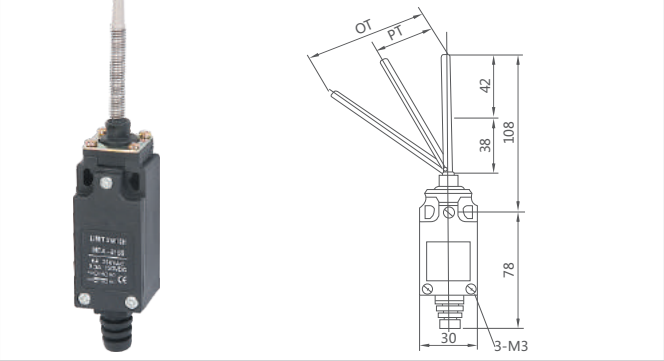
MEA-9169



MEA-9161



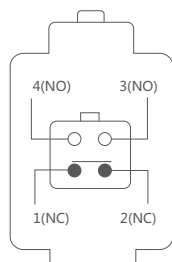
MEA-9166



Characteristics / Application

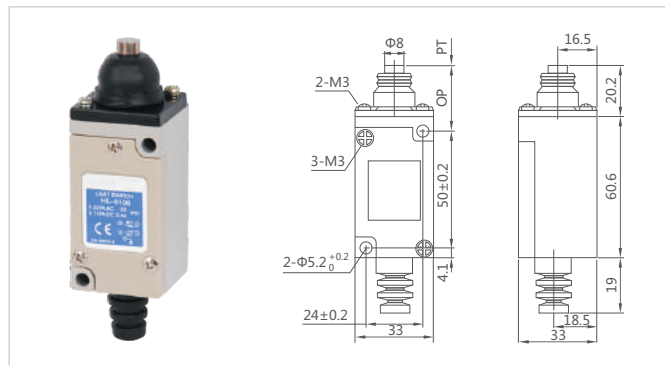
Operation speciality	Mode	HL-5000	HL-5030	HL-5050	HL-5100	HL-5200	HL-5300
OF (max) RF (min) PT (max) OT (min) MD (max) OP		750g 100g 20° 50° 12° -	750g 100g 20° 50° 12° -	750g 100g 20° 50° 12° -	900g 150g 1.5mm° 4mm 1mm 30±0.8mm	900g 150g 1.5mm° 4mm 1mm 30±0.8mm	150g - 3mm - - -
Protection degree					IP67		
Life	Mechanical				Ten million times above		
	Electrical				500000 above		
Operation speed					5mm~0.5m/s		
Operation frequency	Mechanical				120 times/m		
	Electrical				30 times/m		
Insulation resistance					100MΩ DC500V		
Contact resistance					Under 25mΩ (Initial value)		
With stand voltage (50/60Hz 1min)	Between the terminals of same pole				AC 1000V		
	Between charged metal parts				AC 1500V		
	Between non-charged metal parts of each terminal				AC 1500V 10~55Hz (Amplitude 1.5mm)		
Vibration	Misoperation				AC 250V 5A		
Load					AC 380V 5A		
					DC 125V 5A		
					DC 250V 5A		

Contact form

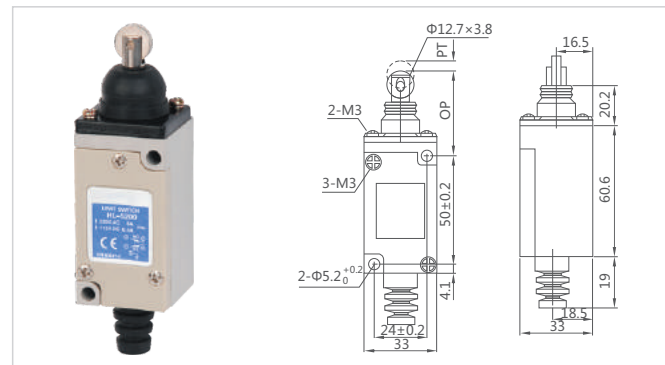


External appearance size

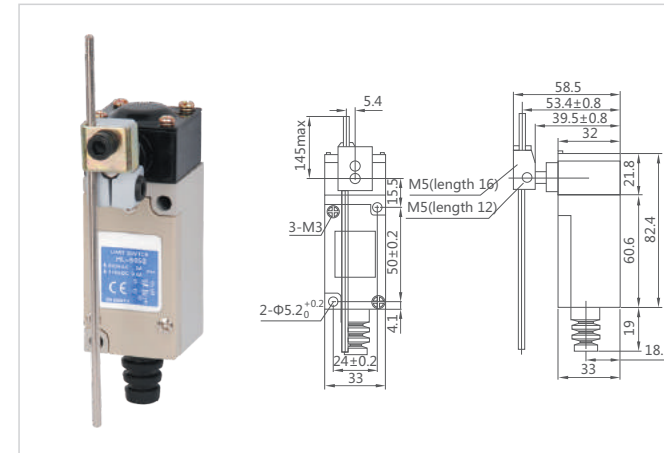
HL-5100



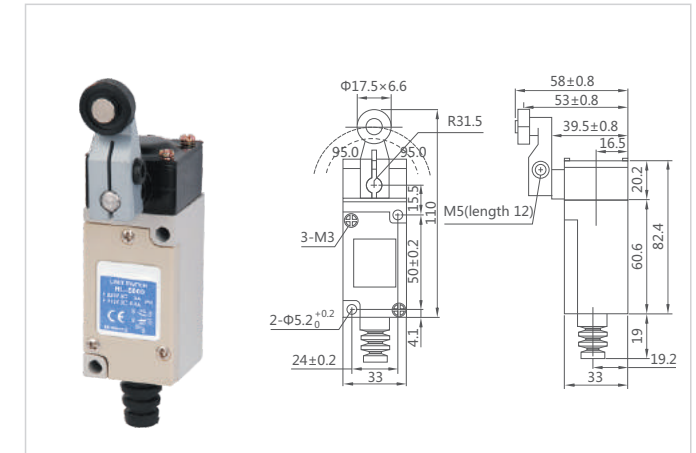
HL-5200



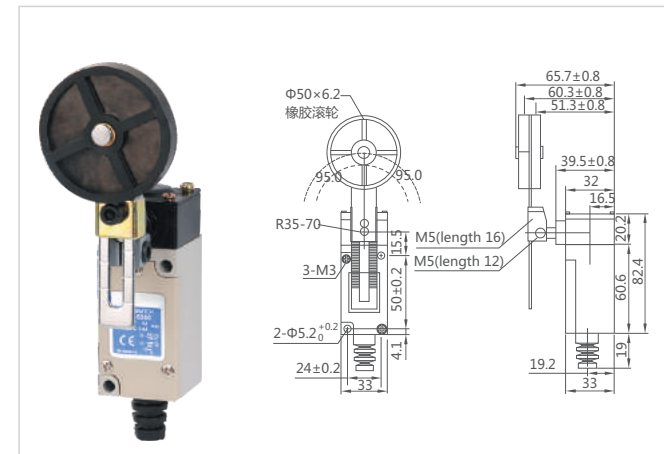
HL-5050



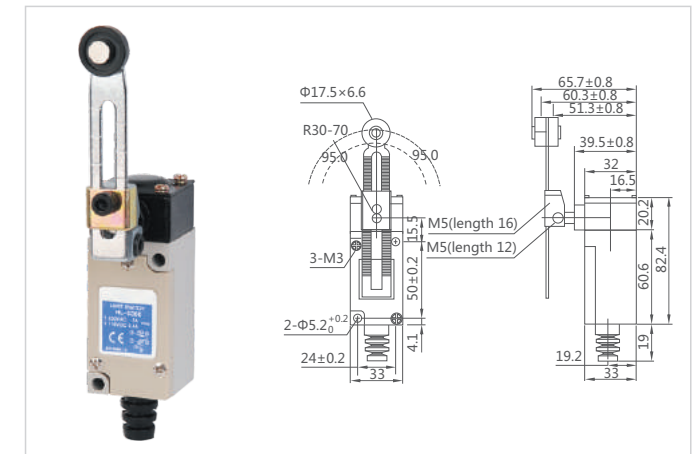
HL-5000



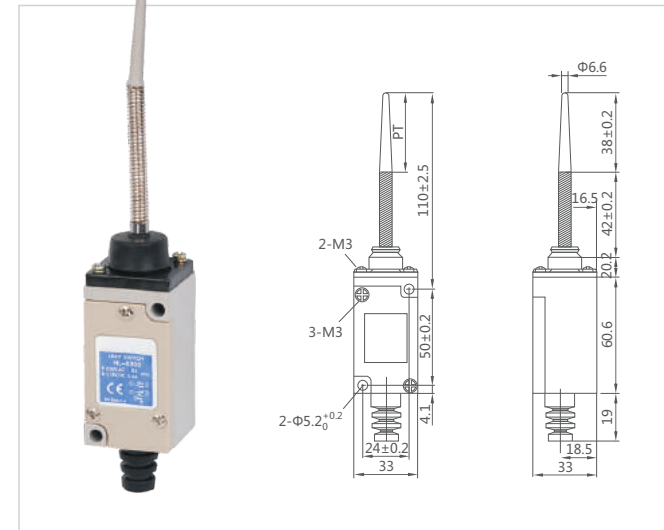
HL-5030-L



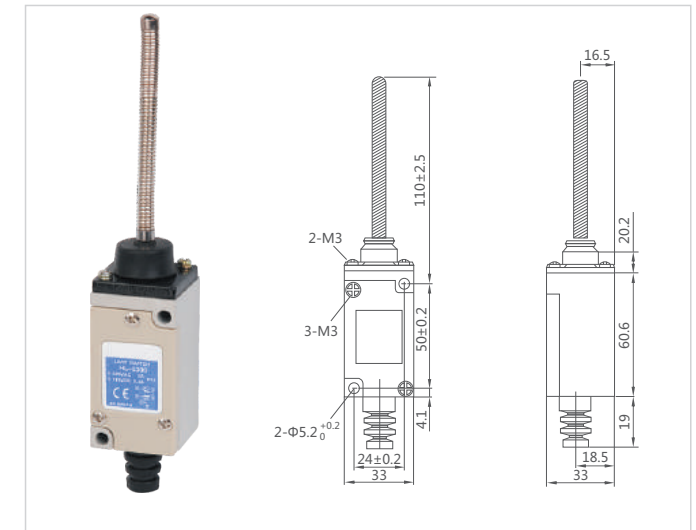
HL-5030



HL-5300



HL-5301

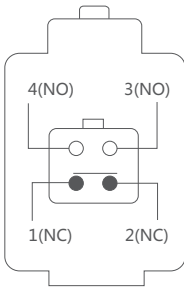


Characteristics / Application

Item		Value
Protection degree		IP67
Life	Mechanical	Ten million times
	Eleatrical	Five hundred thousand times
Operation speed		1mm-1m/s
Operation frequency	Mechanical	120 times/m
	Eleatrical	20 times/m
Insulation resistance		100MΩ (DC 500V)
Contact resistance		Under 15MΩ (Initial value)
With stand voltage (50/60Hz 1min)	Between the terminals of same pole	AC 1000V (600V)
	Between charged metal parts	AC 2200V (1500V)
	Between non-charged metal parts of each terminal	AC 2200V (1500V)
Vibration	Misoperation	10-55Hz amplitude 1.5mm
Load		AC 250V 10A; AC 380V 10A DC 125V 5A; DC 250V 5A
Ambient operating temperature		-10~+80℃
Humidity		< 95%

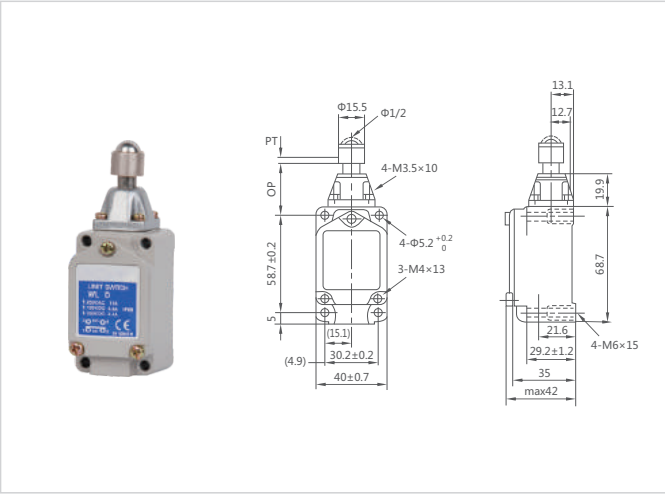
1. Double-circuit limit switch, is widely used
2. Firm aluminum alloy enclosure
3. High emchanical strength
4. Structure preventing oil, water and pressure
5. Indicating plate with setting position is installed in it, so it is easy to maintain
6. Kinds of actuators is taken convenience for using
7. Built-in contact stand has double-reed, so it has long mechanical life

Contact form

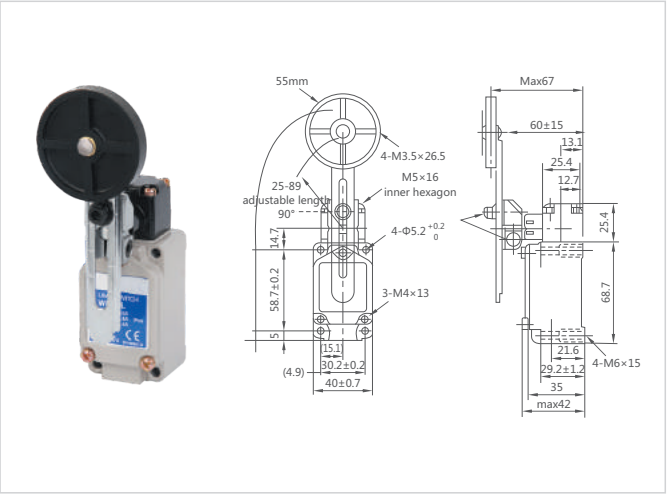


External appearance size

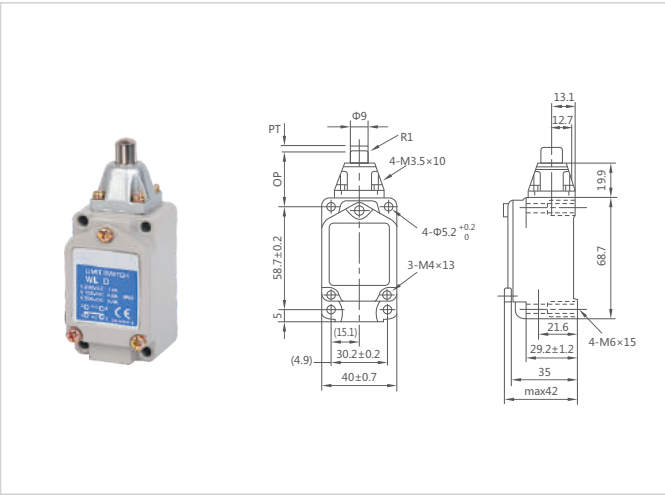
WL D3



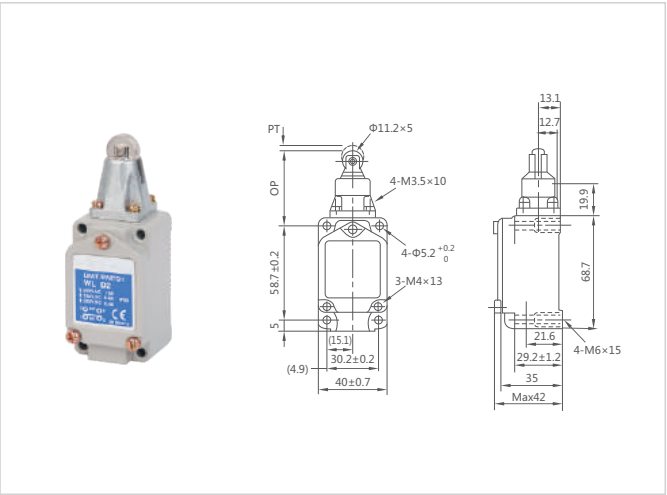
WL CA12-L



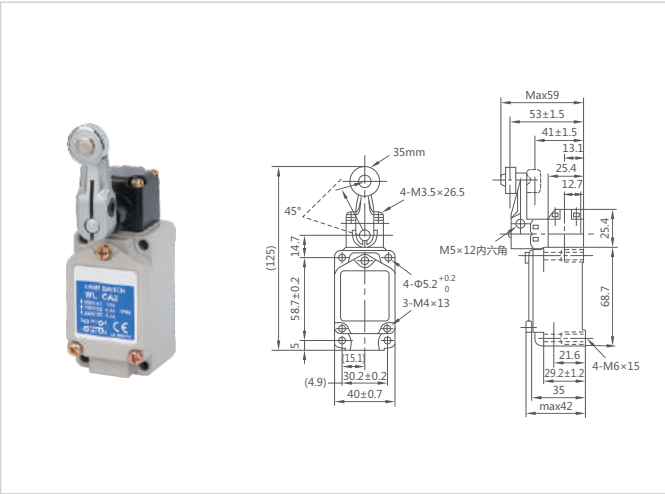
WL D



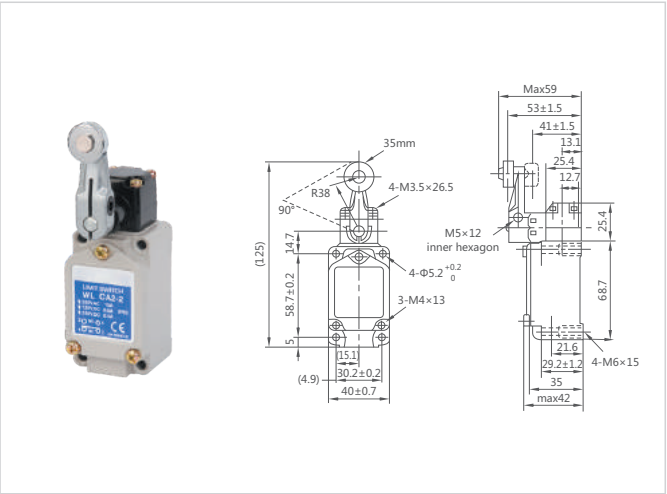
WL D2



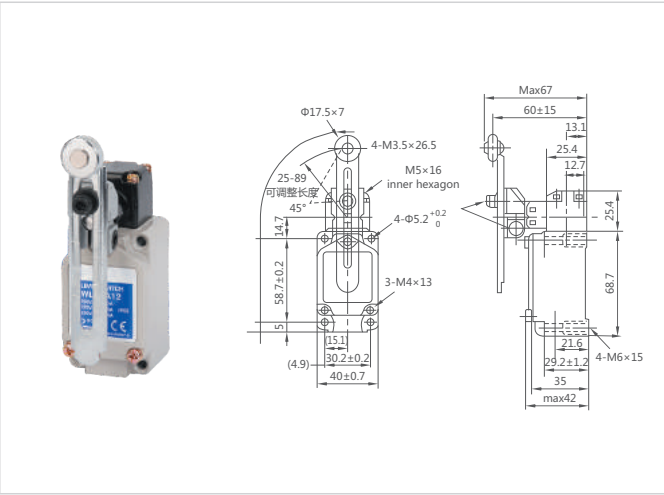
WL CA2



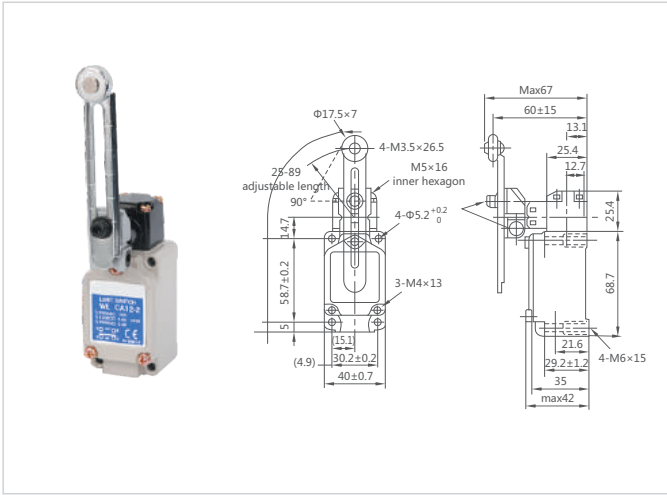
WL CA2-2



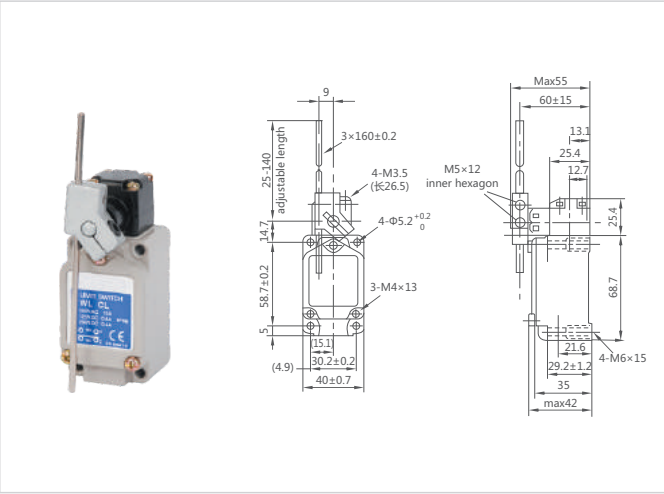
WL CA12



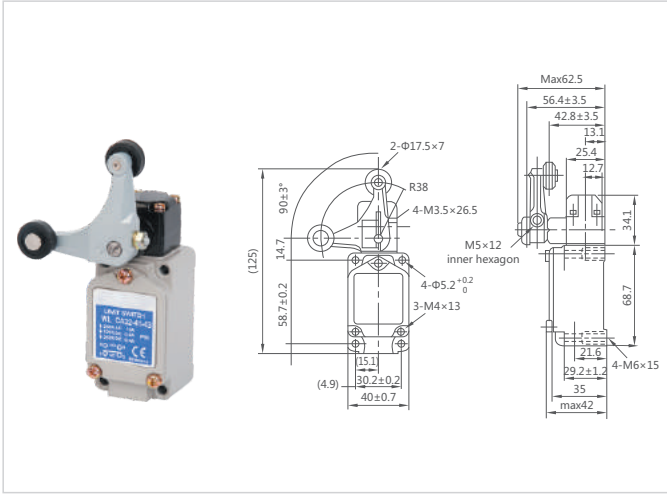
WL CA12-2



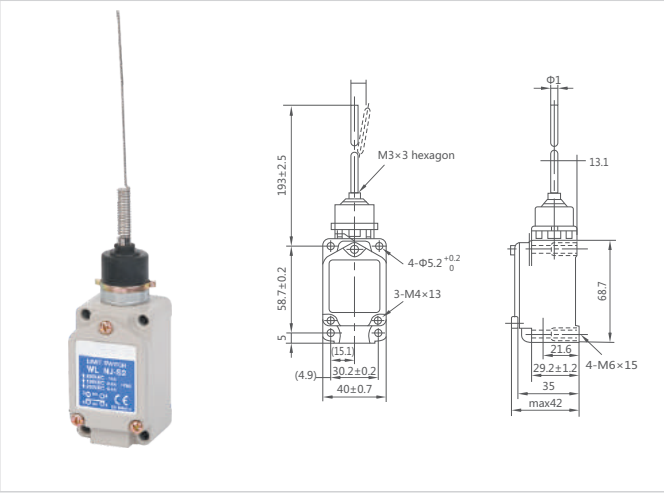
WL CL



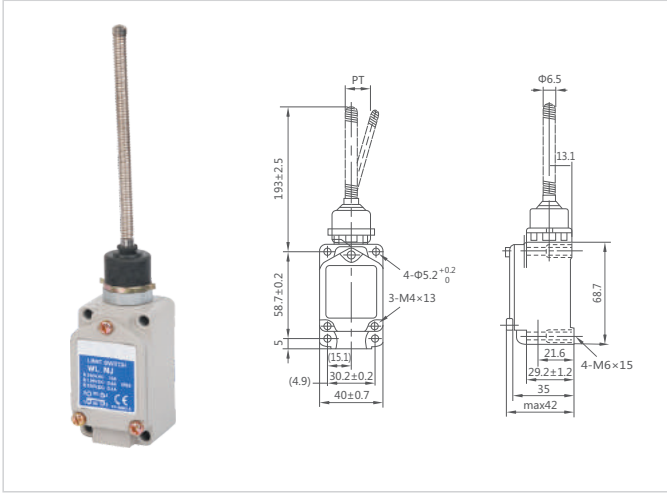
WL CA32-41-43



WL NJ-S2



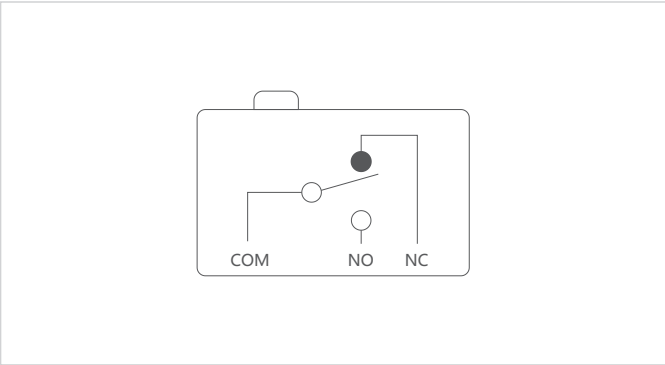
WL NJ



Characteristics / Application

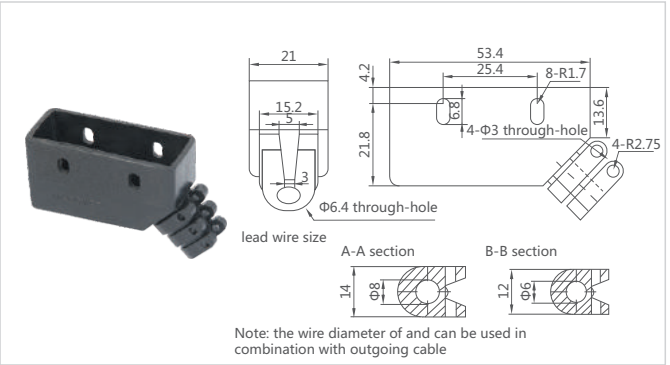
Item	Value
Operation speed	0.1mm to 1m/Sec
Action frequency	Mechanically: 240 times/minute Electically: 20 times/Minute
Insulation resistance	100mΩ above(at 500VDC)
Contact resistance	Under 20mΩ(initial)
Bearing voltage	Non-contact end: 1000VAC, 50/60Hz for one minute Current parts and noncurrent parts and end and connect opstion: 2000VAC, 50/60Hz for one minute
Vibration	Machine: 400m/Sec ² (about 40G's) 1.5mm 10 to 55Hz: 1.5mm pairs swing action
Ambient operating temperature	-25°C to 80°C
Humidity	Below 85%RH
Serve life	Mechanical: 20000000 times above (at rated ot) Electrical: 500000 times above

Contact form

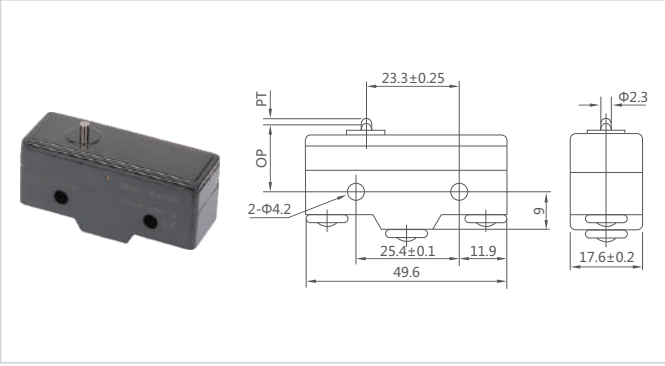


External appearance size

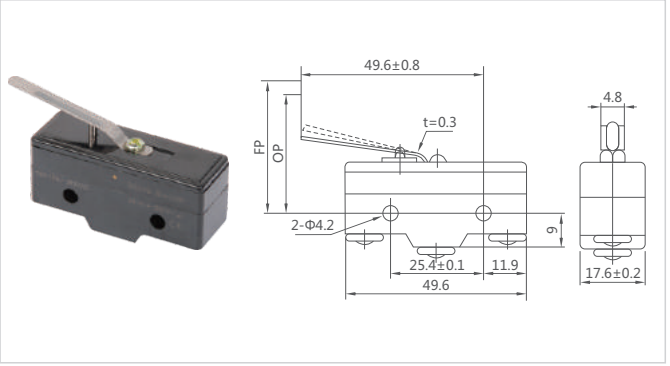
JM-COVER



Z-15G-B

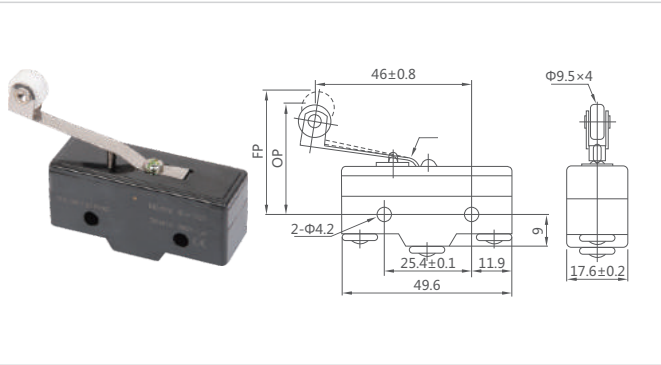


Z-15GL-B

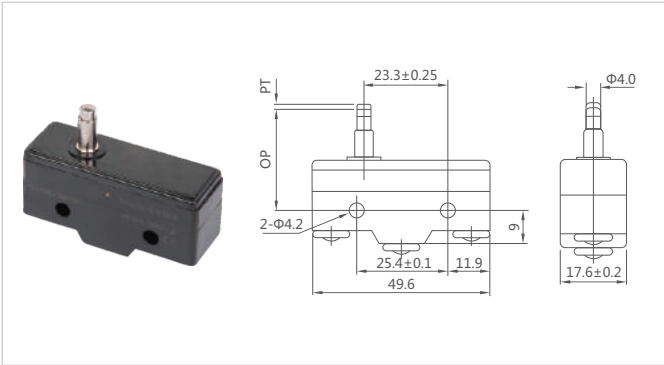


Z-15
Micro Switch

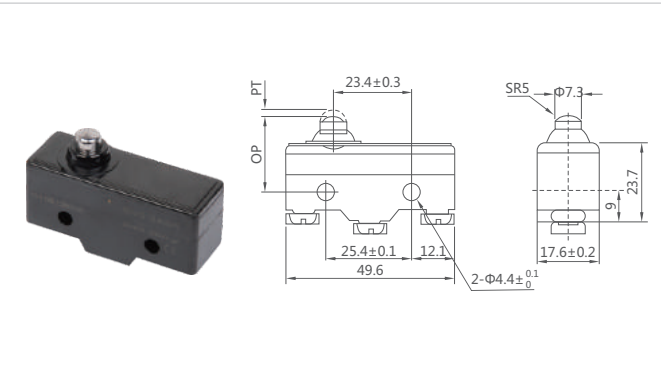
Z-15GL2-B



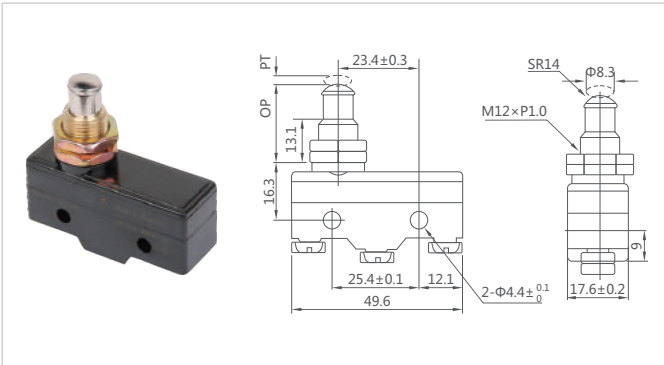
Z-15GS-B



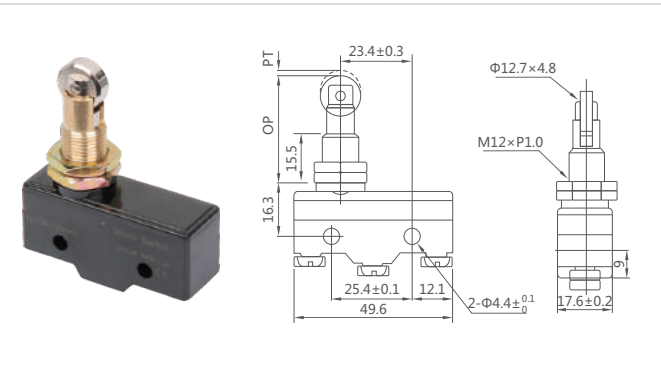
Z-15GD-B



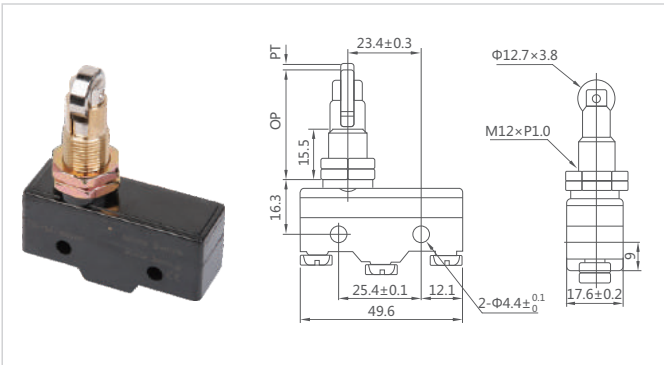
Z-15GQ-B



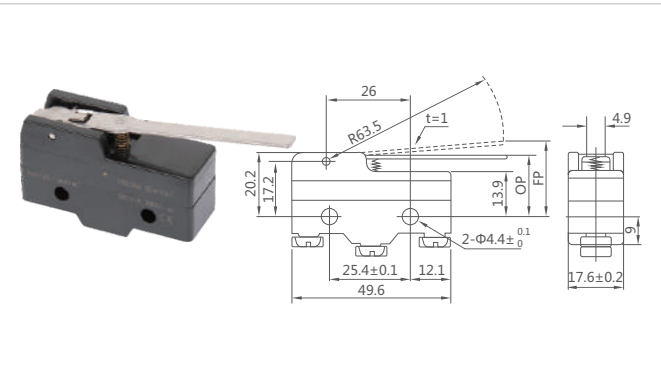
Z-15GQ22-B



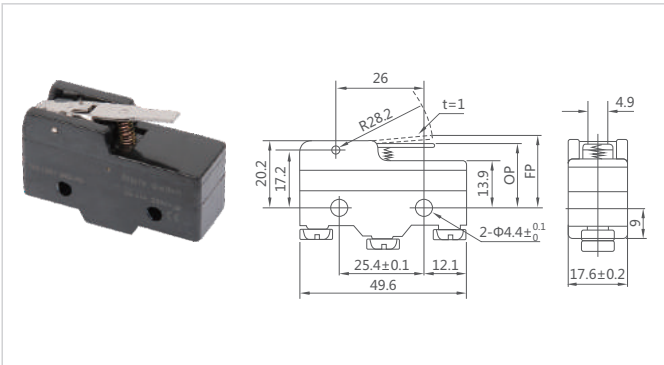
Z-15GQ21-B



Z-15GW-B

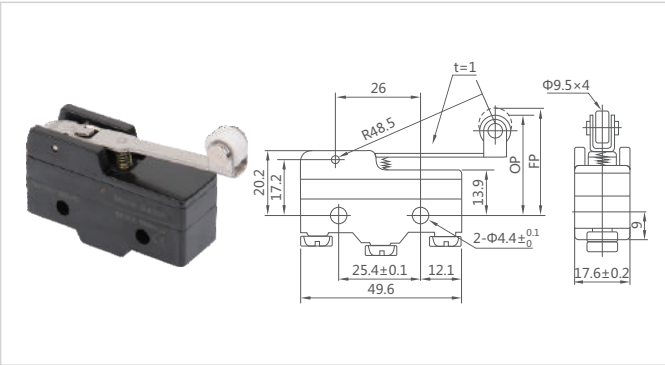


Z-15GW21-B

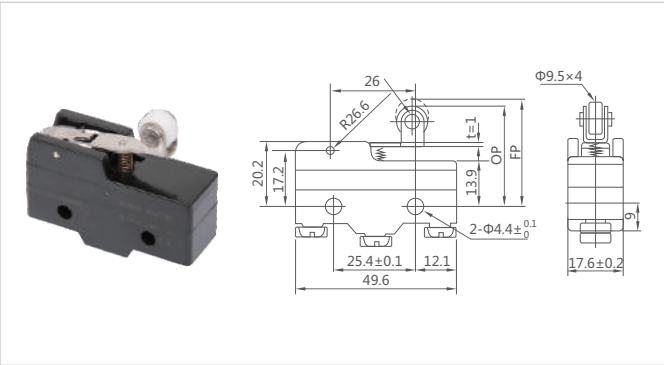


Z-15
Micro Switch

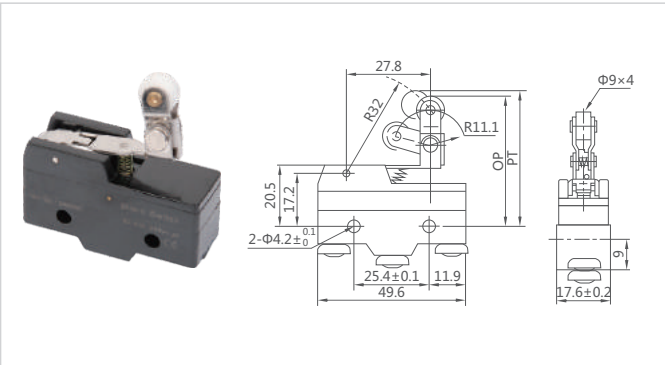
Z-15GW2-B



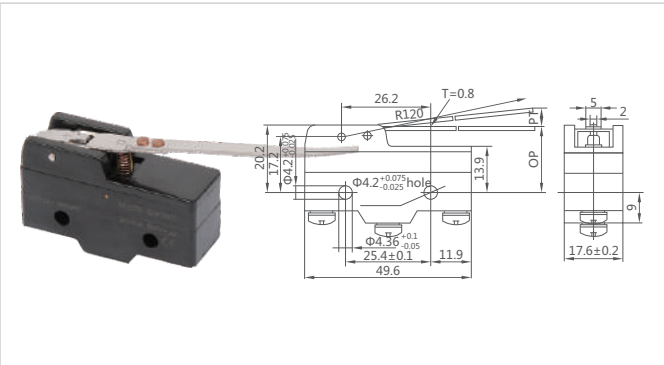
Z-15GW22-B



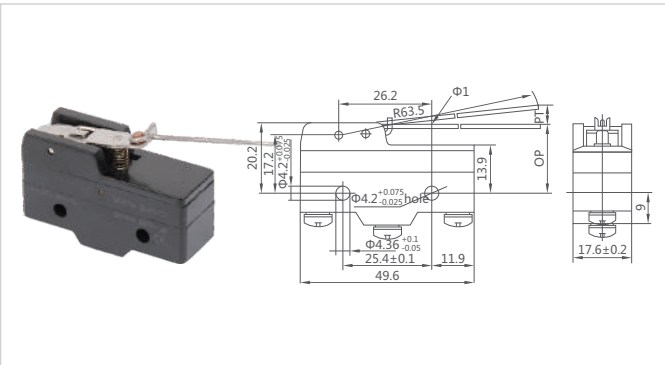
Z-15GW2277-B



Z-15HW24-B



Z-15HW78-B

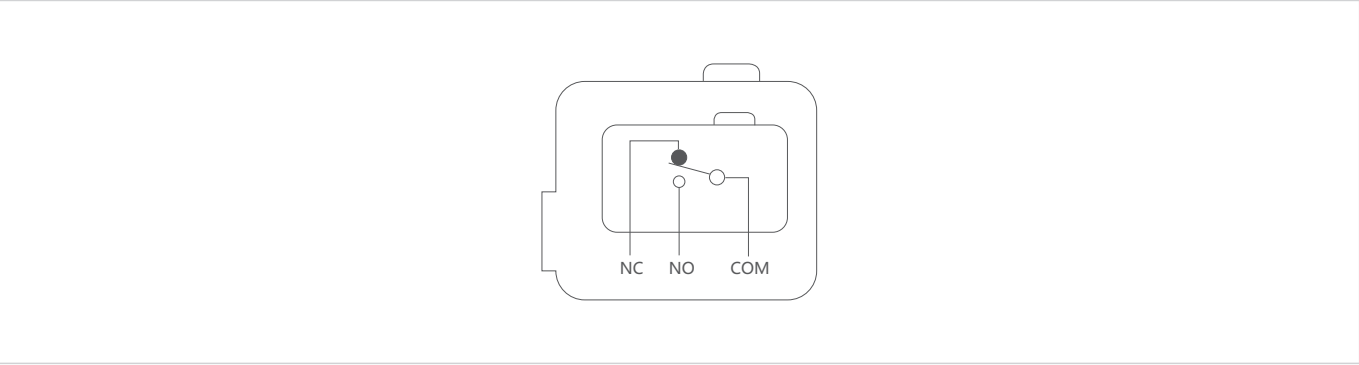


Characteristics / Application

Item		Value
Load	AC 250V	10A
	AC 380V	10A
	DC 125V	5A
	DC 250V	5A
Life	Mechanical	Fifteen million times
	Eleatrical	Five hundred thousand times
Operation speed		0.05mm~0.5m/s
Operation frequency	Mechanical	120 times/min
	Eleatrical	20 times/min AC 250V
Insulation resistance		100MΩ DC500V
Contact resistance		Under 15MΩ (Initial value)
With stand voltage (50/60Hz 1min)	Between the terminals of same pole	AC 1000V
	Between charged metal parts	AC 2000V
	Between non-charged metal parts of each terminal	AC 3000V
Vibration	Misoperation	10-55Hz (amplitude 1.5mm)
Protection degree		IP63

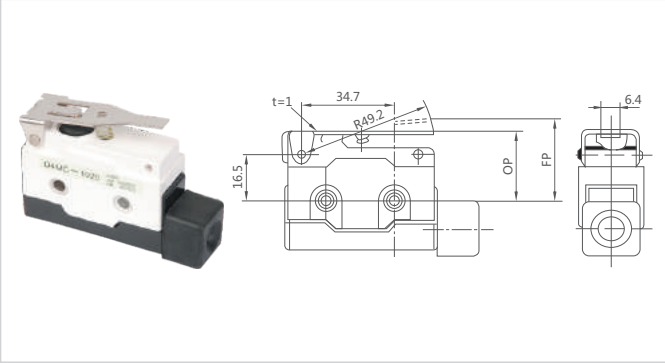
Mode	D4MC-5000	D4MC-5020	D4MC-5040	D4MC-1020	D4MC-1000	D4MC-2000	D4MC-2020
Operation speciality							
OF (max)	600g	600g	600g	260g	170g	200g	300g
RF (min)	100g	100g	100g	35g	25g	40g	40g
PT (max)	1.6mm	1.6mm	1.6mm	-	-	10mm	-
OT (min)	5mm	5mm	5mm	2.5mm	4mm	5mm	2mm
MD (max)	0.2mm	0.2mm	0.2mm	1.7mm	3mm	3mm	1.5mm
FT (max)	-	-	-	33mm	36mm	51mm	47mm
OP (max)	21.8±1.2mm	33.4±1.2mm	33.4±1.2mm	25±1mm	25±1mm	40±1mm	40±1mm

Contact form

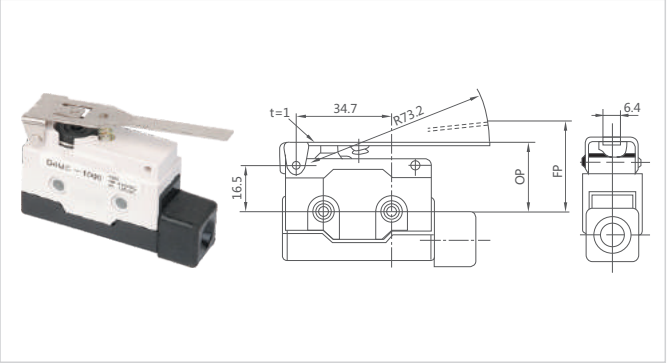


External appearance size

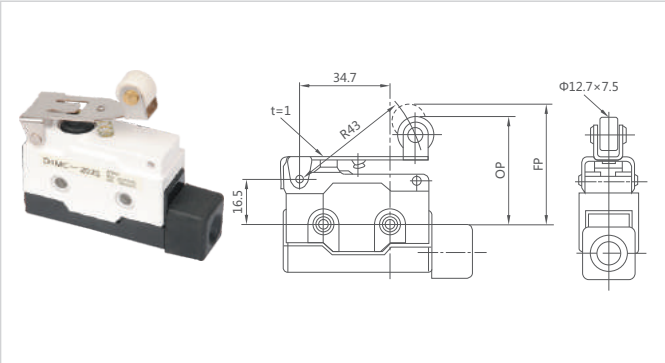
D4MC-1020



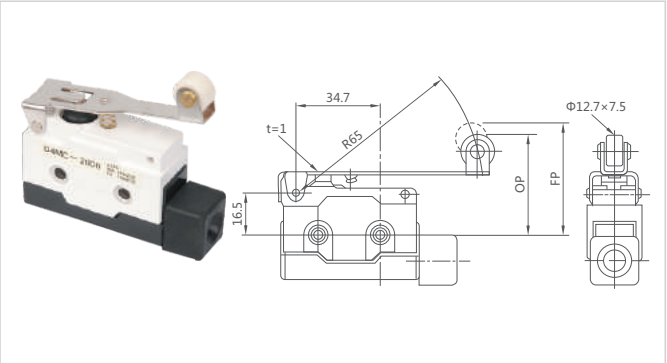
D4MC-1000



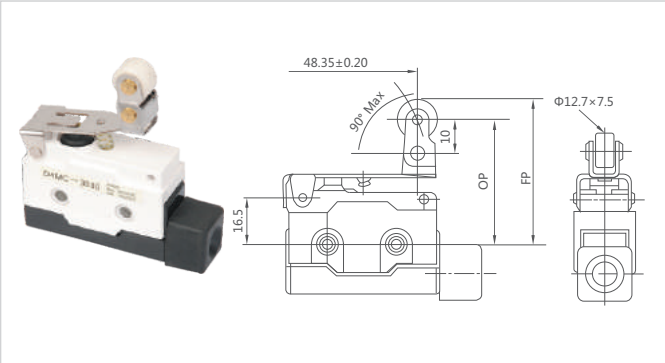
D4MC-2020



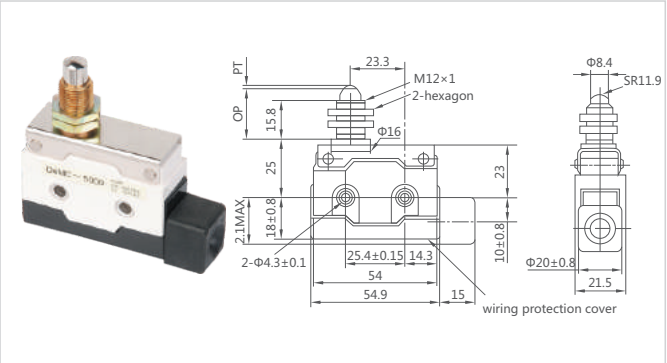
D4MC-2000



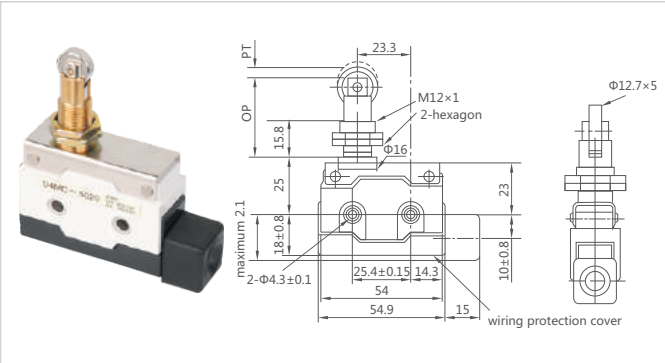
D4MC-3030



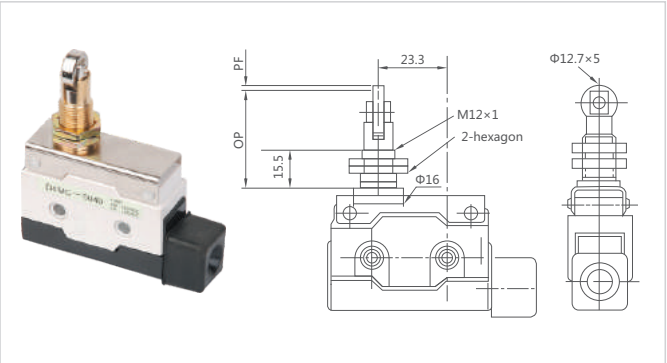
D4MC-5000



D4MC-5020



D4MC-5040



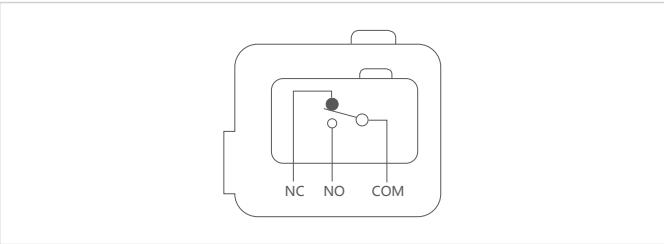
Characteristics / Application

Item	Value
Operation speed	0.01mm to 50m/Sec
Action frequency	120 times/Minute
Contact resistance	Under 15mΩ (Initial)
Insulation resistance	100mΩ above (under 500VDC)
Bearing voltage	Non-contact end: 1000VAC, 50/60Hz for one minute, Current parts and non-current parts and end and connect position: 1500VAC, 50/60Hz for one minute
Vibration	Action: 10 to 55Hz: 1.5mm pairs swing
Hitting	Machine: 400m/Sec ² (about 40G'S); Action: 100m/Sec ² (about 10G'S)
Ambient temperature	-25℃ to 80℃
Humidity	Below 95%RH
Serve life	Mechanical: 10000000 times above (at rated ot); Electrical: 500000 times above
Protection structure	IEC specification: IP65

Features

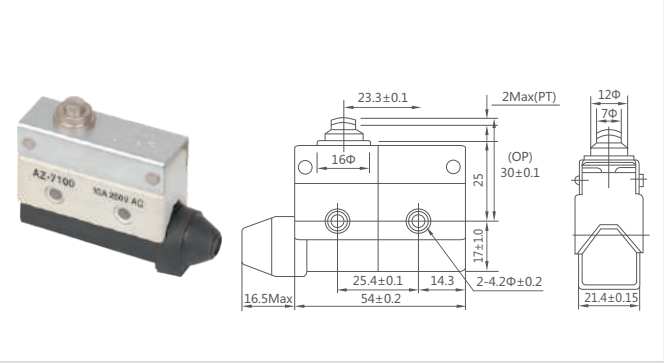
- 1. Side mount switches
- 2. Momentary contacts
- 3. Wide choice of heads and actuators
- 4. Sealed actuators
- 5. Completely sealed construction
- 6. Plastic sealed housing

Contact form

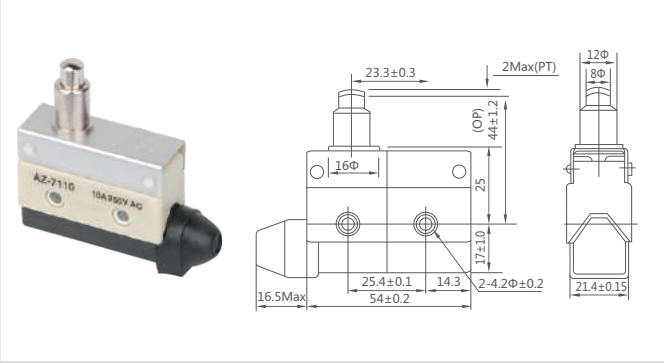


External appearance size

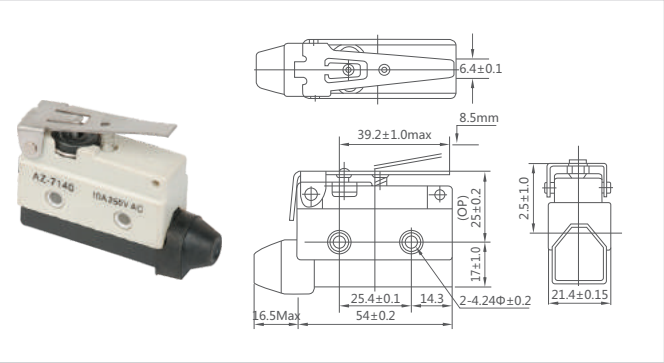
AZ-7100



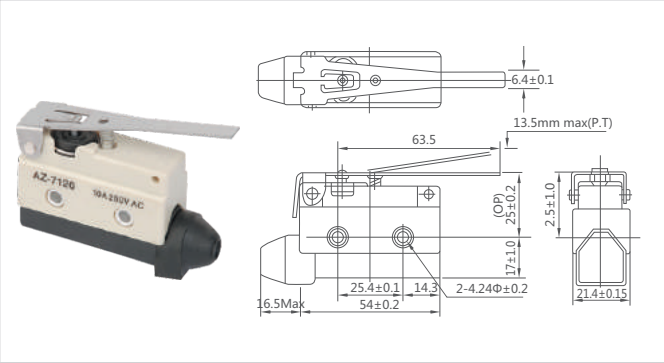
AZ-7110



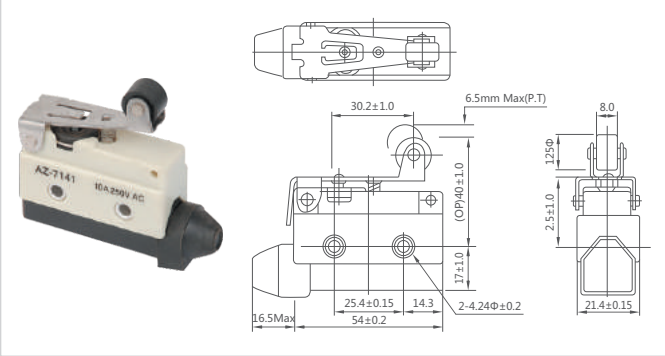
AZ-7140



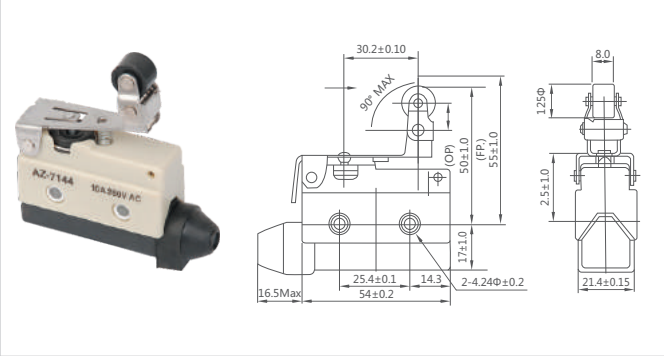
AZ-7120



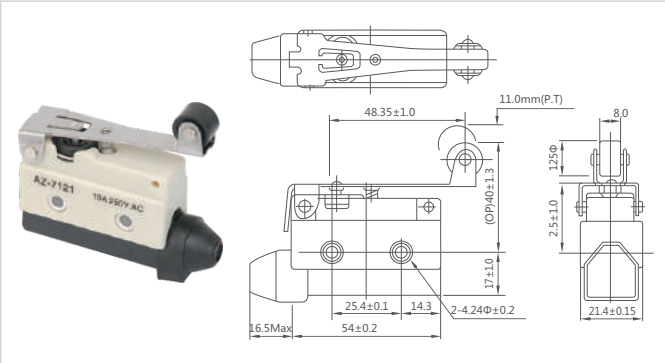
AZ-7141



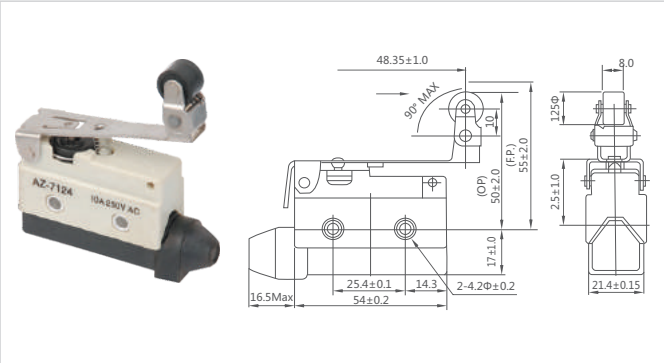
AZ-7144



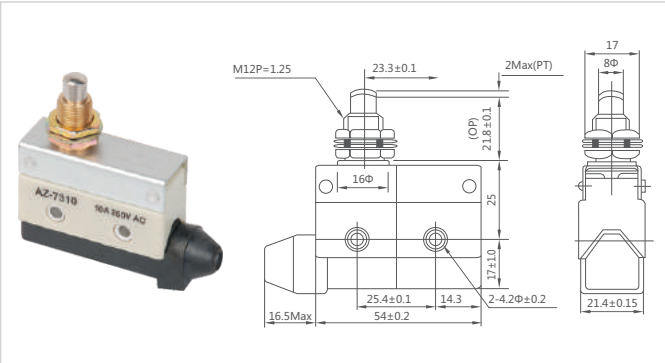
AZ-7121



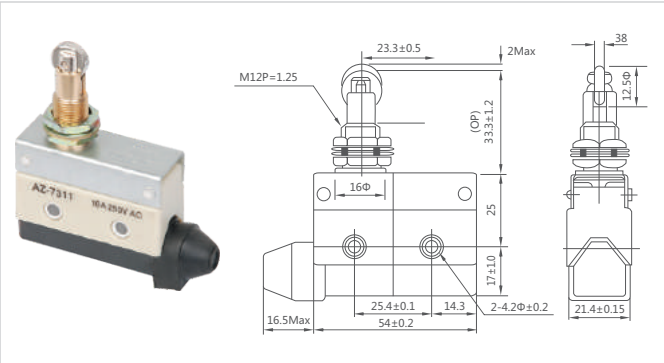
AZ-7124



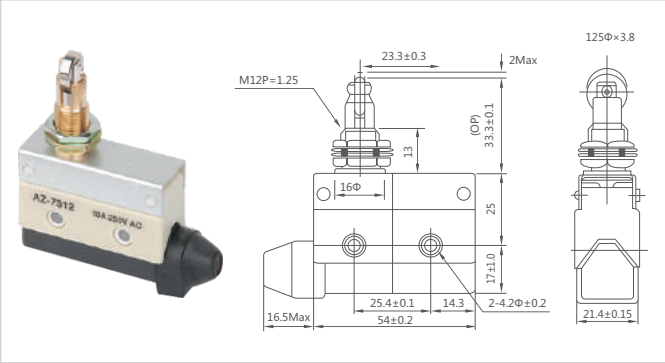
AZ-7310



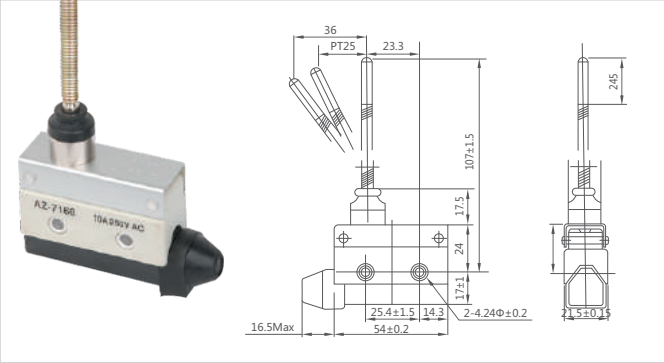
AZ-7311



AZ-7312



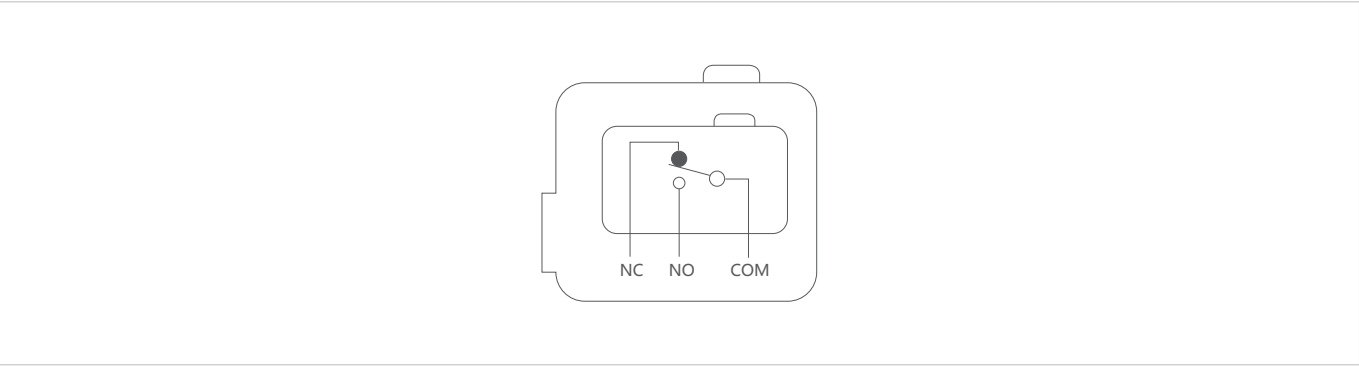
AZ-7166



Characteristics / Application

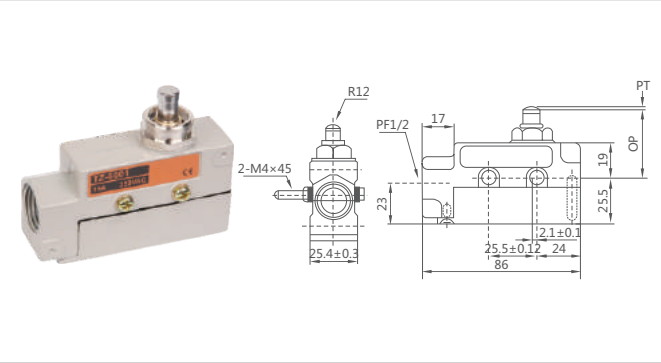
Item		Value
Protection degree		IEC specification: IP65
Life	Mechanical	One million times
	Eleatrical	One hundred thousand times
Operation speed		0.01mm-0.5m/s
Operation frequency	Mechanical	120 times/m
	Eleatrical	20 times/m
Insulation resistance		100MΩ (DC 500V)
Contact resistance		Under 15MΩ (Initial value)
With stand voltage (50/60Hz 1min)	Between the terminals of same pole	AC 1000V
	Between charged metal parts	AC 1500V
	Between non-charged metal parts of each terminal	AC 1500V
Vibration		Misoperation 10-55Hz amplitude 1.5mm
Impact	Durable	1000m/s² above (about 100G)
	Misoperation	200m/s² above (about 20G)
Sudden current	NC	max 30A
	NO	max 15A
Ambient operating temperature		-10~+80°C
Humidity		≤85%

Contact form

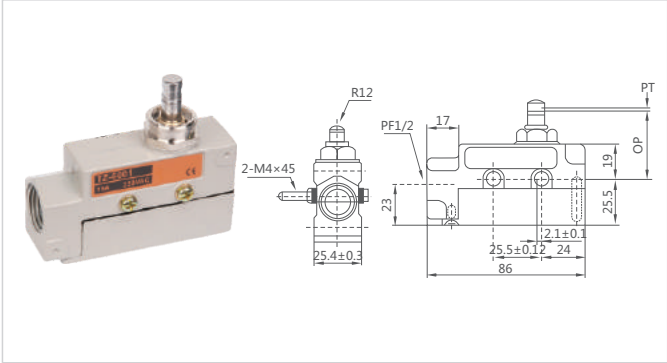


External appearance size

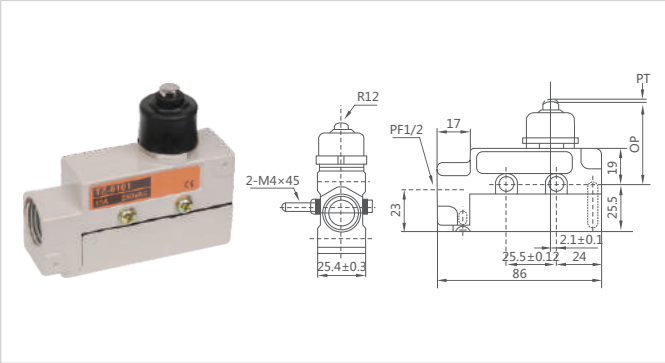
TZ-6000



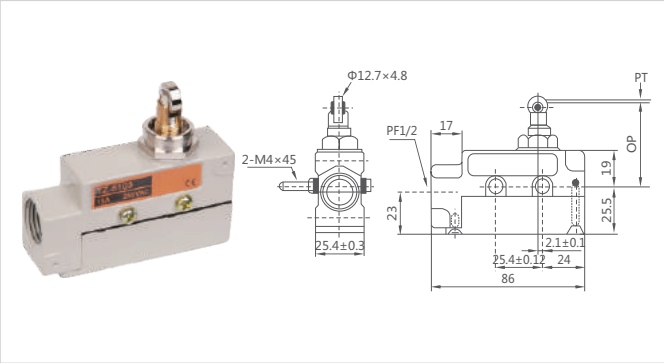
TZ-6001



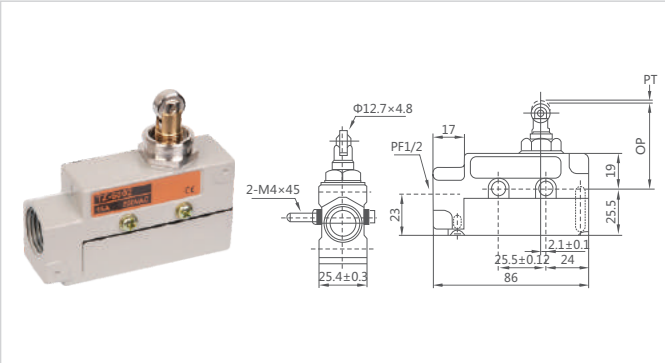
TZ-6101



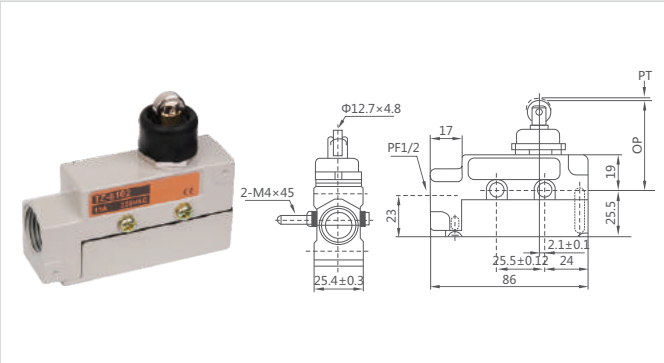
TZ-6103



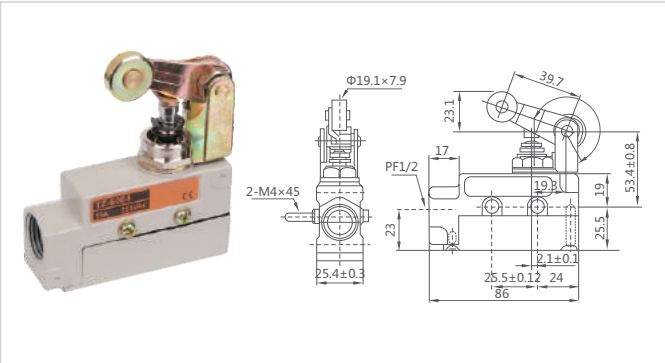
TZ-6002



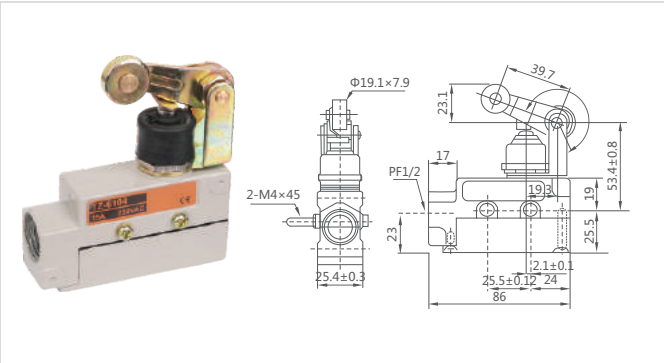
TZ-6102



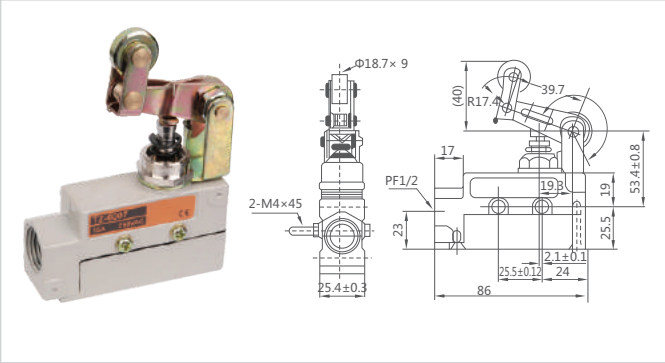
TZ-6004



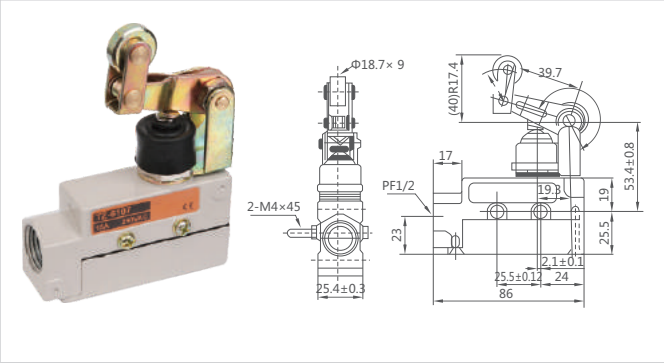
TZ-6104



TZ-6007



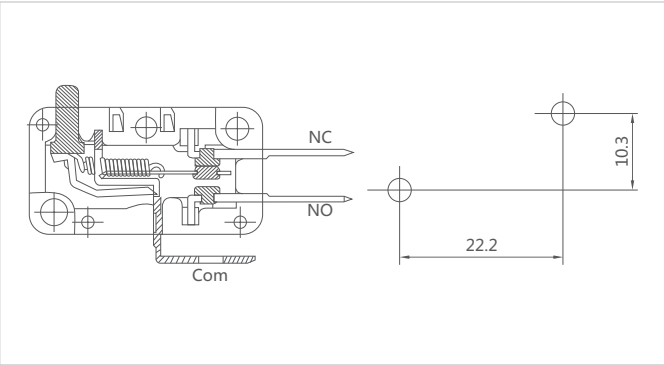
TZ-6107



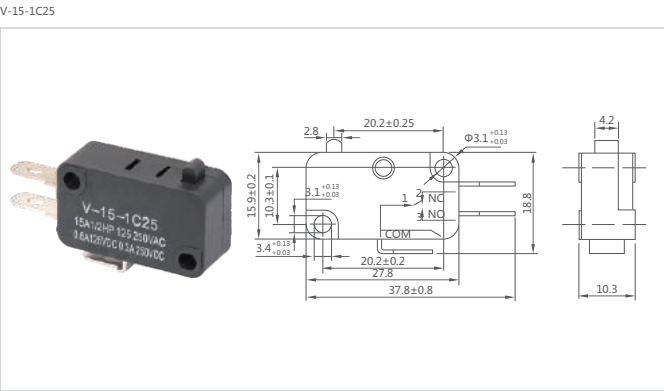
Characteristics / Application

Item	Value
Operation speed	0.1mm to 1m/Sec
Action frequency	Mechanical: 600 times/minute Electical: 60 times/Minute
Contact resistance	Under 15mΩ(initial)
Insulation resistance	100mΩ above(at 500VDC)
Bearing voltage	Non-contact end: 1000VAC, 50/60Hz for one minute Current parts and noncurrent parts and end and connect opstion: 1500VAC, 50/60Hz for one minute
Vibration	1.5mm 10 to 55Hz: 1.5mm pairs swing action
Hitting	Machine: 400m/Sec ² (about 40G's) Action: 100m/Sec ² (about 10G's)
Ambient temperature	-25°C to 80°C
Humidity	Below 85%RH
Serve life	Mechanical: 5000000 times above (at rated ot) Electrical: 100000 times above
Protection degree	IEC specification: IP65

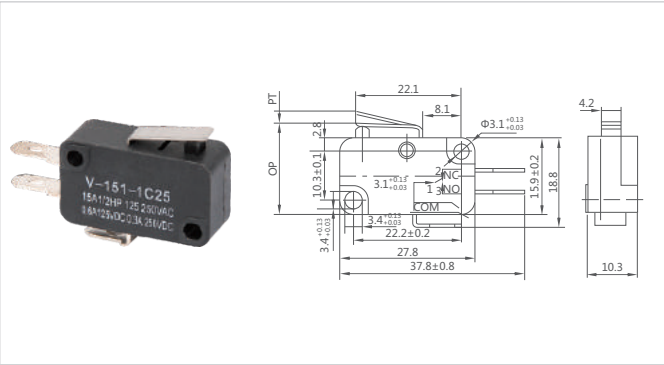
Contact form



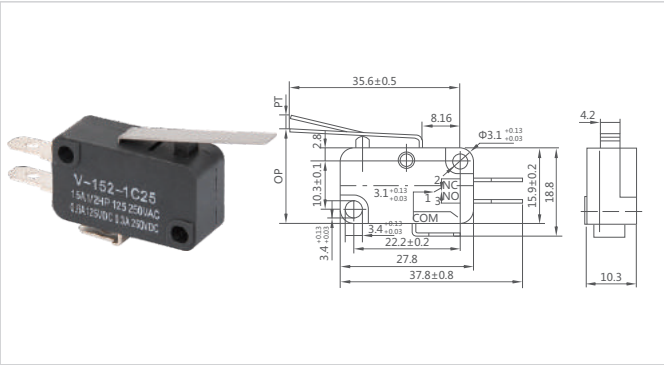
External appearance size



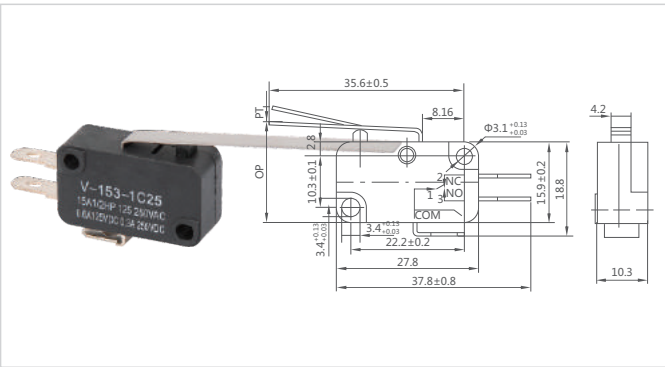
V-151-1C25



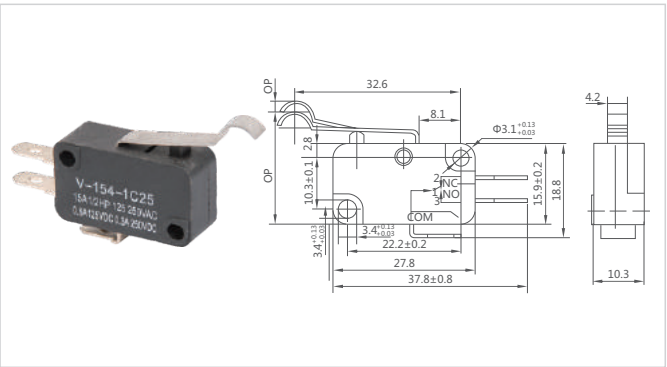
V-152-1C25



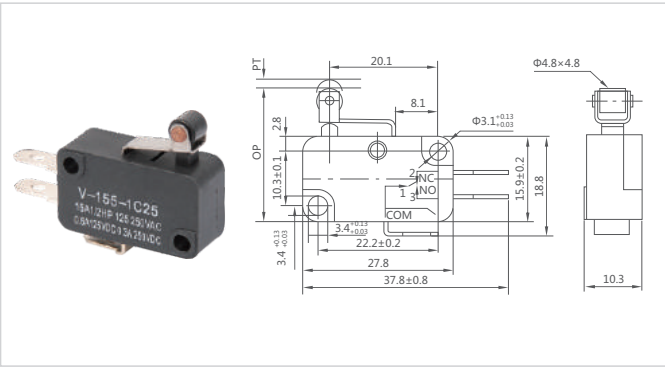
V-153-1C25



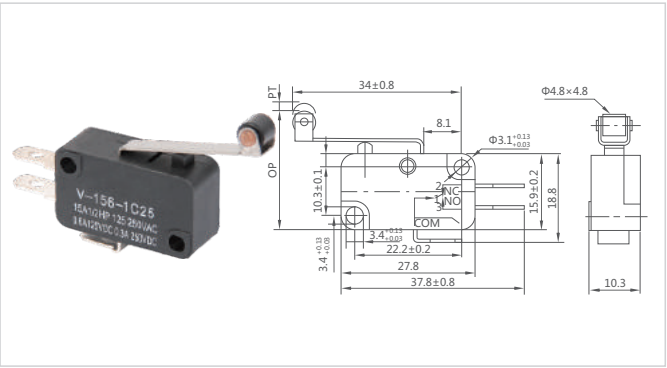
V-154-1C25



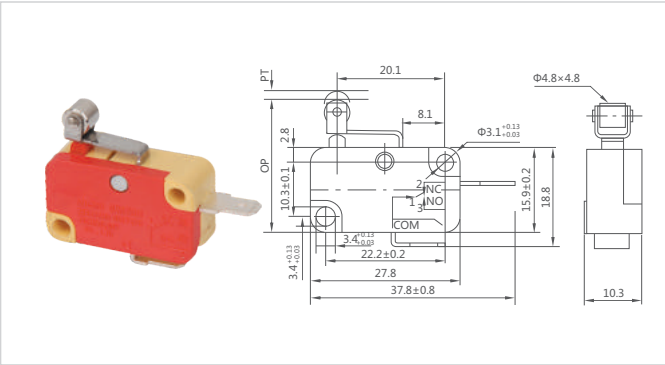
V-155-1C25



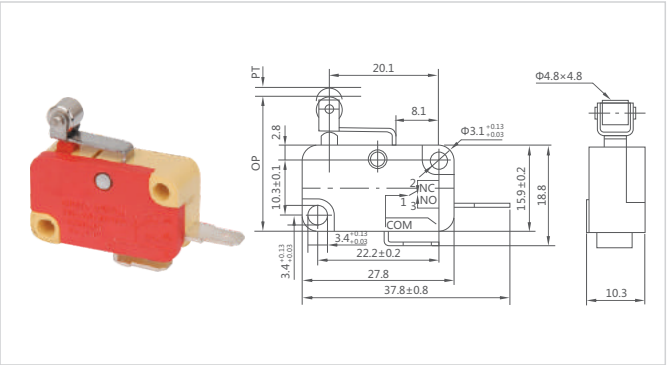
V-156-1C25



V-155-2C25



V-155-3C25



Characteristics / Application

The product is to service at such control circuit as AC50-60Hz, voltage of 380VAC or 220VDC and current of 10A to automatically control machine tool, limit movement and action of drive mechanism and control program.

The nominal service conditions include an ambient temperature of -25°C+40°C, an ambient relative humidity of 90%, and altitude of 2000m and protection degree of IP65. It complies with the standard of IEC337-1 and GB14048.5-2001.

Main technology data

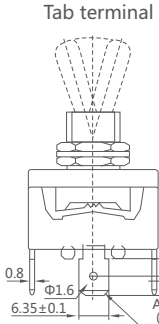
Purpose	The typical usage of travel switch is to control electrical magnet of AC or DC			
Control capacity	AC-15		DC-13	
	Rated working voltage	Rated working current	Rated working voltage	Rated working current
	380V	0.8A	220V	0.15A
	220V	1.4A	110V	0.3A
	110V	2.8A		
	Rated insulation voltage Ui=380V, conventional enclosed heating current Ith2=10A			
Protection for short-circuit	Rated fuse current 1000A RL1-15/10			
Operation frequency	AC 2400 times/hour, DC 1200 times/hour			
Electrical	Electrical life of AC one million and half times. Electrical life of DC three hundred of thousand times			
Mechanical	LXK3-20 S.H/H1, H2, H3, LXK3-20 S.H/W is 6000000, other is 10000000.			
Repetition precision action	The difference between the maximum (or the minimum) and the means is no more than 0.05mm in ten times of actions			
Protection degree of enclosure	IP65 GB4208-84			
Vibration resistance	Frequency: 10~55Hz; Acceleration: 10g(90m/s); Amplitude: 0.75mm			

Code name for protection enclosure mode

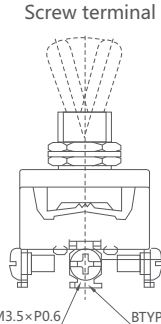
LXK3-20S	Vertical type, a outgoing hole at the bottom
LXK3-20H	Horizontal type, there is respectively a outgoing hole at the bottom and two sides.

Main technical characteristics

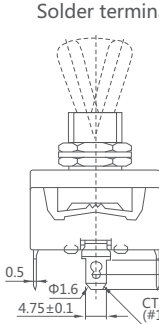
- Tab terminal



Screw terminal



Solder terminal





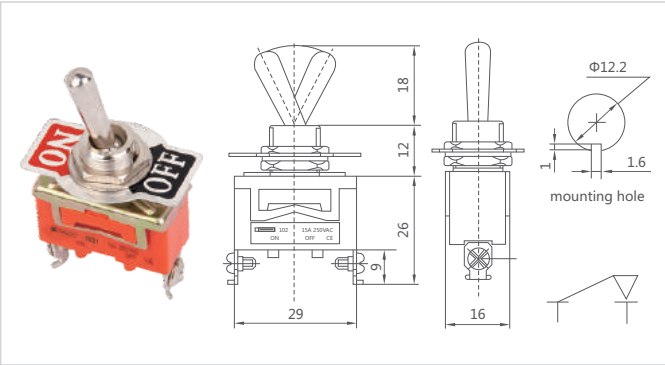
Dimensions: 0.8, 6.35±0.1, Φ1.6, 3.95, 8, 6.35, 4.75±0.1, 3.2, 6.35, 0.5, 4.75±0.1, Φ1.6, CTYP (187)

Labels: ATYP (250), M3.5×P0.6, BTYP
- | | |
|-----------------------|---|
| Contact resistance | 15MΩ max. (initial) |
| Insulation resistance | 100MΩ above (under 500VDC) |
| Dielectric strength | 2000VAC, 50/60Hz for 1 minute |
| Vibration | 10~55Hz, 1.5mm double amplitude |
| Ambient temperature | -25°C~+80°C |
| Humidity | 85% RH max |
| Life | Mechanical: above 500000 operations/min |
| | Electrical: above 100000 operations/min |

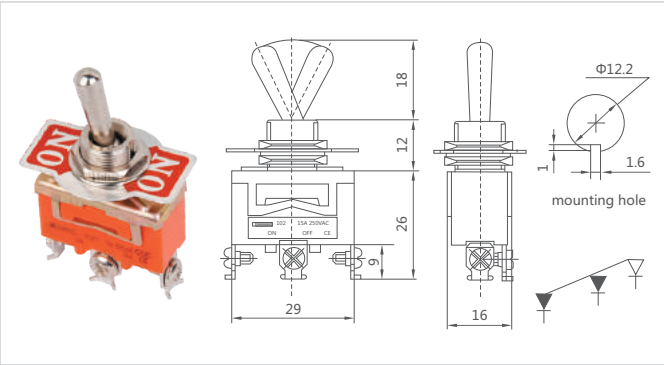
6. Toggle series waterproof jacket, this waterproof jacket has functions of oilproof, waterproof, acidproof and alkali resistance.

External appearance size

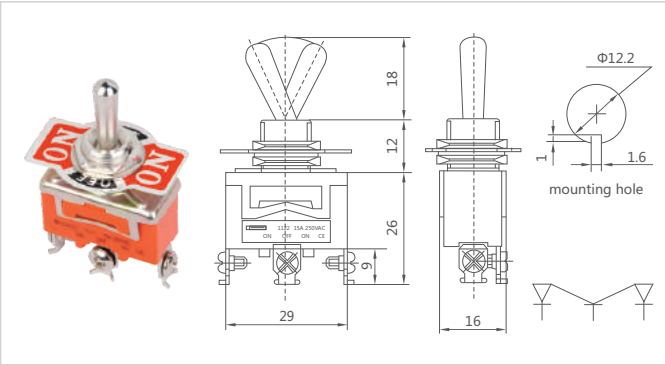
1021 (Manual reset), 1021-B (Auto reset)



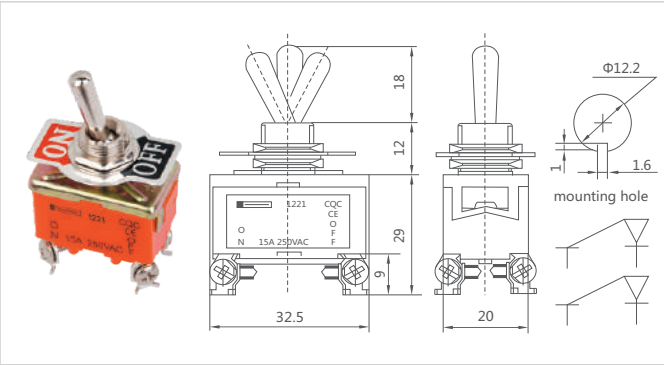
1121 (Manual reset), 1121-B (Auto reset)



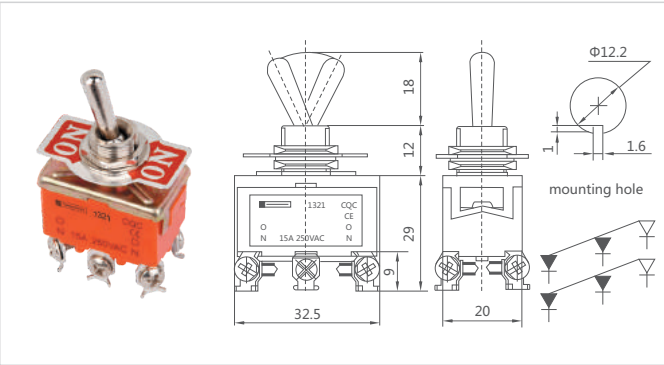
1122 (Manual reset), 1122-B (Auto reset)



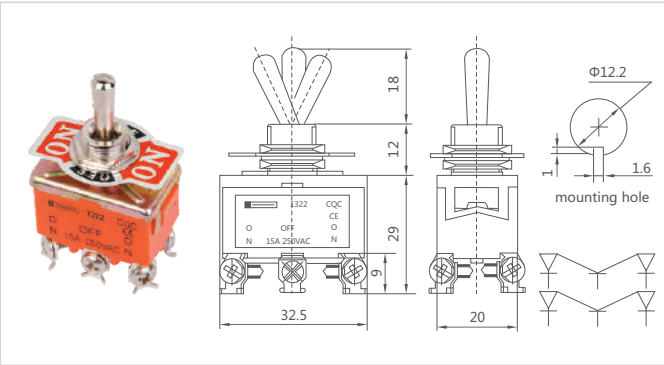
1221 (Manual reset), 1221-B (Auto reset)



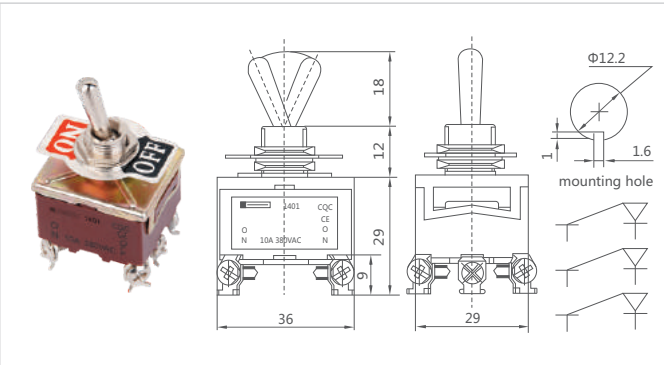
1321 (Manual reset), 1321-B (Auto reset)



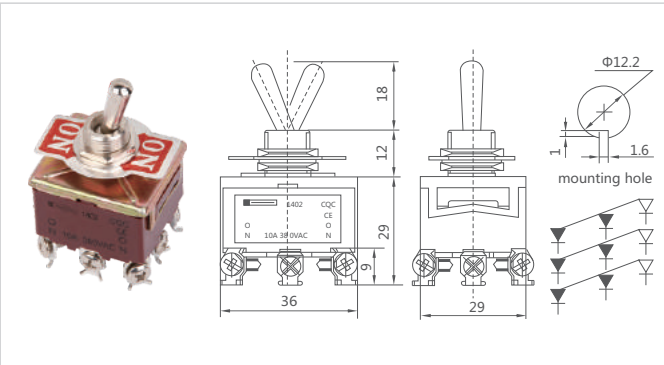
1322 (Manual reset), 1322-B (Auto reset)



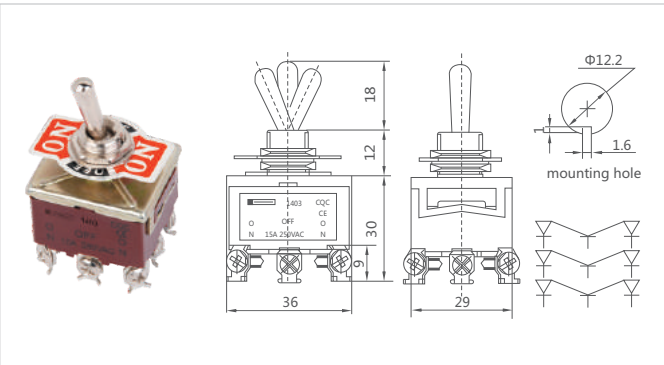
1401 (Manual reset), 1401-B (Auto reset)



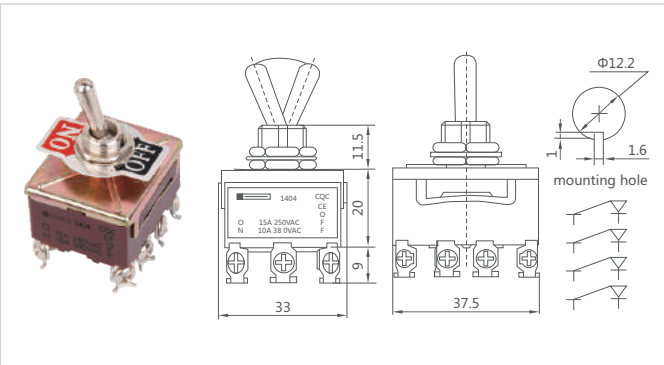
1402 (Manual reset), 1402-B (Auto reset)



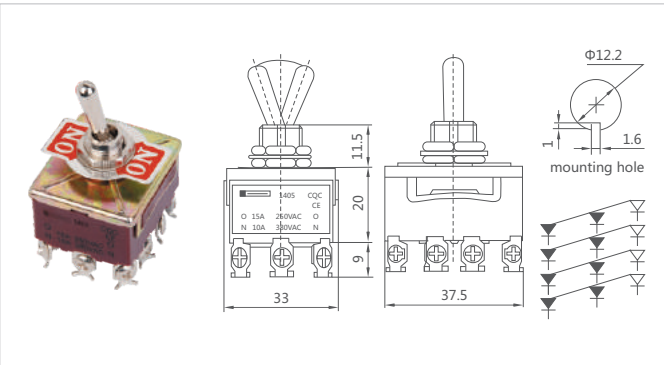
1403 (Manual reset), 1403-B (Auto reset)



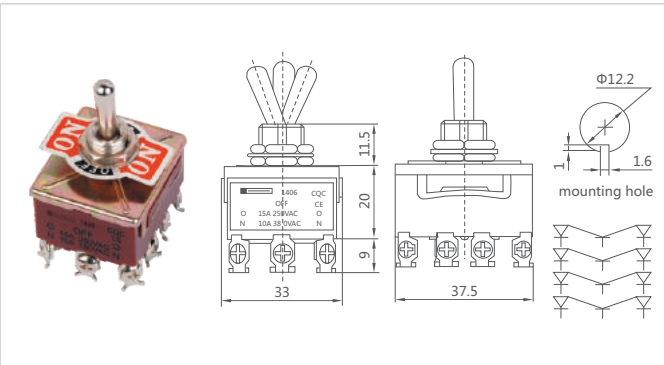
1404 (Manual reset), 1404-B (Auto reset)



1405 (Manual reset), 1405-B (Auto reset)



1406 (Manual reset), 1406-B (Auto reset)

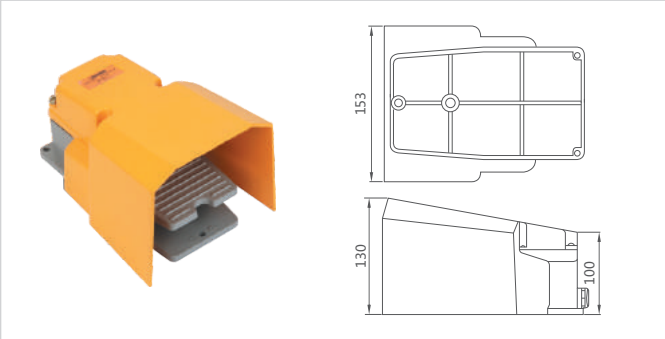


Characteristics / Application

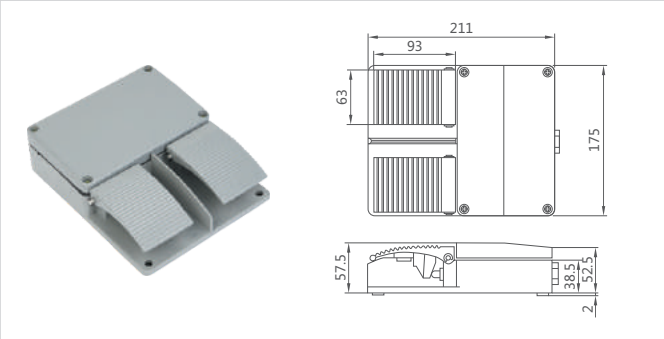
The pedal switch is to service at the control circuit of AC 50~60Hz, AC380V, DC220V and current of 3~21A to control electrical unit machine tool and medical equipment, it complies with the standard of IEC337-1 and GB14048.5-2001.

External appearance size

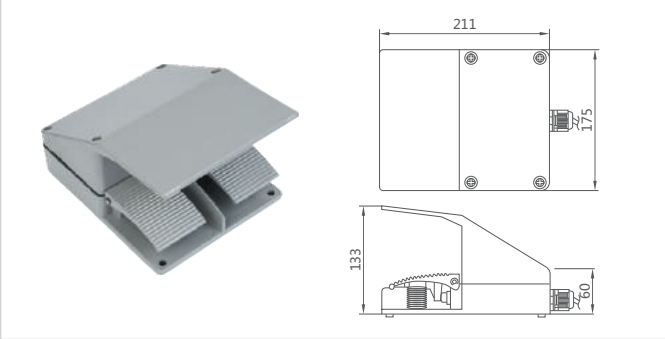
SFMS-1 Aluminum shell



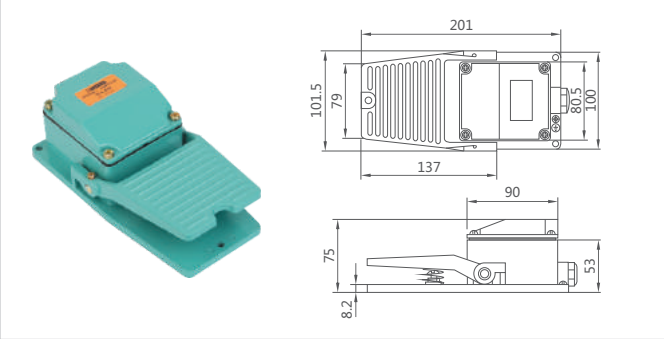
FMS-10 Aluminum shell



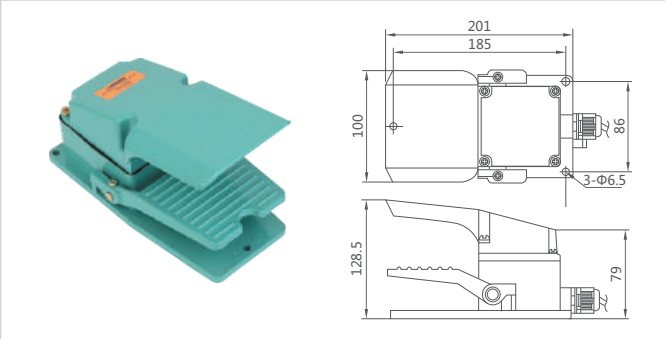
FMS-15 Aluminum shell



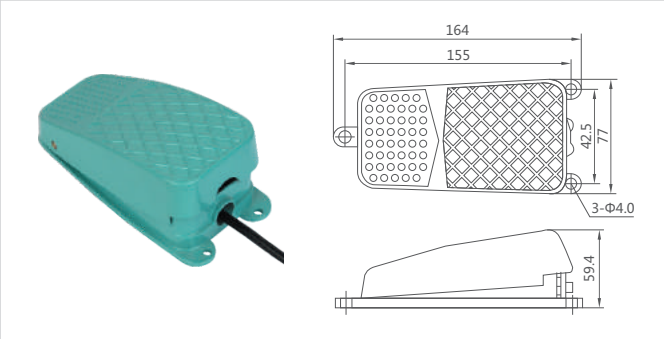
SFM-1 Aluminum shell



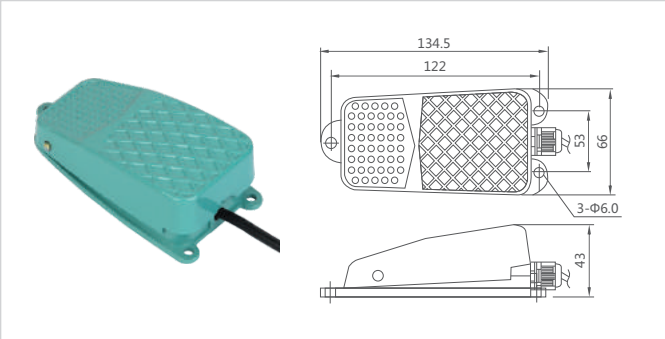
SFMP-1 Aluminum shell



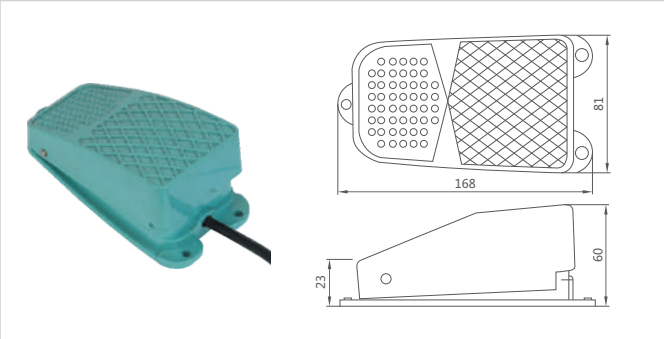
FS-3 Aluminum shell (Medium-sized)



FS-2 Aluminum shell

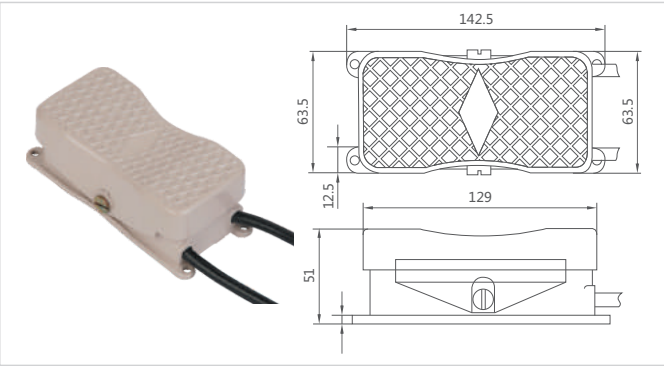


FS-101 Plastic shell (Large)



Pedal Switch

YDT1-101 Aluminum shell (Inverted CIS)



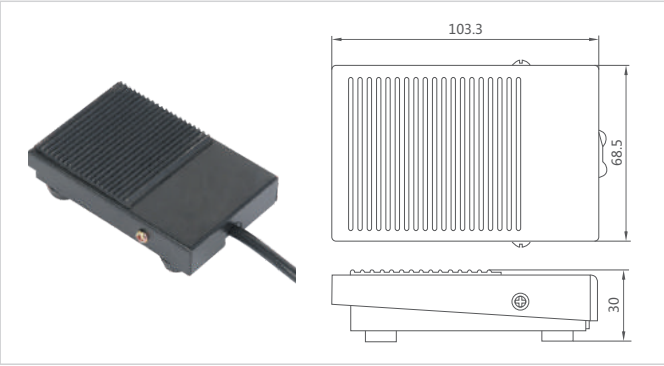
D8107 Plastic shell



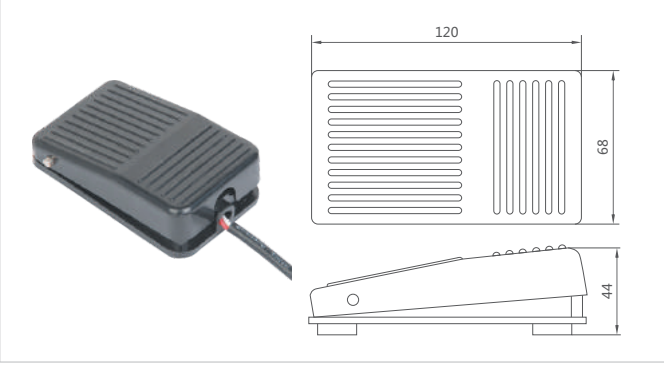
VFS-201 Plastic shell



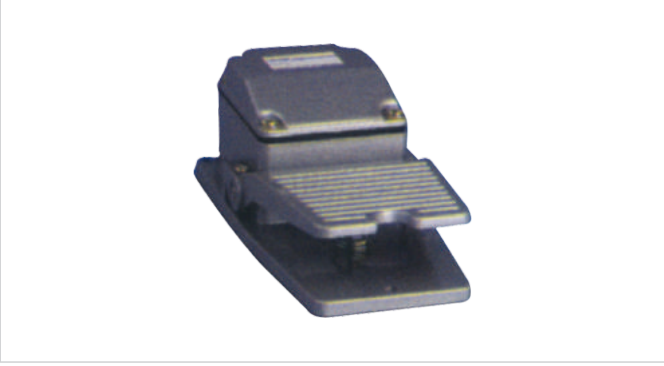
FS-1 Ironclad



FS-01 Plastic shell



SFM-5



YC-16H



KH-8012

