

Industrial equipment and switches

Push-button Switch and Indicator Light



Page E01
LAYS
Push-button Switch and Indicator Light



Page E11
LAY4
Push-button Switch and Indicator Light



Page E14
XB5
Push-button Switch and Indicator Light



Page E17
AD22
Indicator



Page E20
AD16
Indicator

Signal Digital Indicator Digital Meter



Page E22
AD16
Signal Digital Indicator Digital Meter

Push-button Switch



Page E26
COB
Push-button Switch

Limit Switch



Page E27
XCK-M
Limit Switch



Page E29
XCK-J
Limit Switch



Page E31
XCK-P
Limit Switch



Page E33
XCK-T
Limit Switch



Page E35
XCK-S
Limit Switch



Page E37
ME
Limit Switch



Page E40
MEA
Limit Switch



Page E42
HL
Limit Switch



Page E45
WL
Limit Switch

Industrial equipment and switches

Micro Switch



Page E47
Z-15
Micro Switch



Page E50
D4MC
Micro Switch



Page E52
AZ
Micro Switch



Page E54
TZ
Micro Switch



Page E56
V-15
Micro Switch

Pedal Switch



Page E58
Pedal Switch

Universal Changeover Switch



Page E60
LW28
Universal Changeover Switch



Page E62
EP
Universal Changeover Switch



Page E64
CS-68
Universal Changeover Switch

Padlock Type Power Cut Off Switch



Page E65
LW28GS
Padlock Type Power Cut Off Switch



Page E66
D11-3P/4P
Power Off the Combination Switch

Sealed Type Power Cut Off Switch



Page E68
LW28,YCD12
Sealed Type Power Cut Off Switch

Warning Light



Page E69
Warning Light

Siren & Buzzer



Page E74
Siren & Buzzer

LAY5 Push-button Switch and Indicator Light

Button Switch

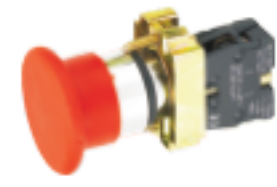
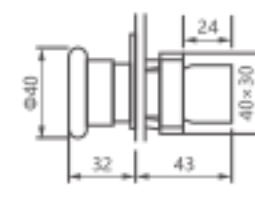


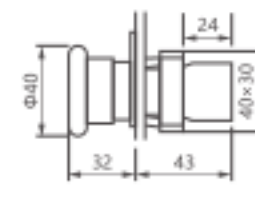

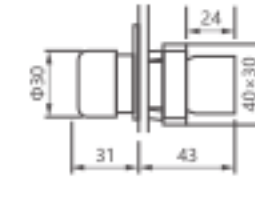

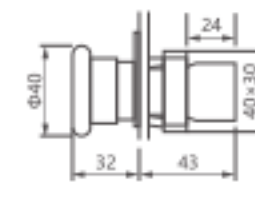

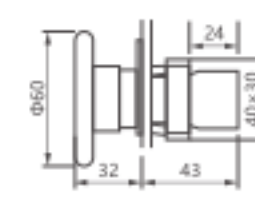
	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
 LAY5-BA..	Flat push-button	White	1	-	LAY5-BA11	0.0560	
		Black	1	-	LAY5-BA21	0.0560	
		Green	1	-	LAY5-BA31	0.0560	
		Yellow	1	-	LAY5-BA51	0.0560	
		Blue	1	-	LAY5-BA61	0.0560	
		Black	-	1	LAY5-BA22	0.0580	
		Red	-	1	LAY5-BA42	0.0580	
		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	
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	
 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	


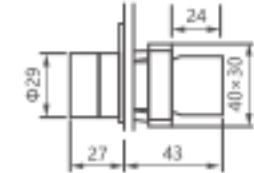

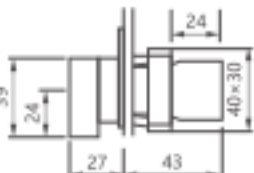

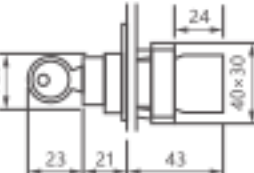
LAY5 Push-button Switch and Indicator Light

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


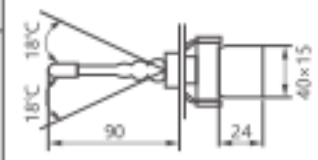


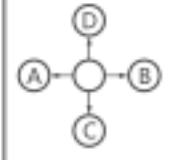
	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
 LAY5-BC..	Φ40mm Mushroom head button	Black	1	-	LAY5-BC21	0.0774	
		Green	1	-	LAY5-BC31	0.0774	
		Yellow	1	-	LAY5-BC51	0.0774	
		Blue	1	-	LAY5-BC61	0.0774	
		Red	-	1	LAY5-BC42	0.0774	
		Green	1	1	LAY5-BC35	0.0908	
		Red	1	1	LAY5-BC45	0.0908	
		 LAY5-BR..	Φ60mm Mushroom head button	Black	1	-	
Green	1			-	LAY5-BR31	0.0901	
Red	-			1	LAY5-BR42	0.0901	
Green	1			1	LAY5-BR35	0.0985	
 LAY5-BT..	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..	Emergency stop push button	Φ30	-	1	LAY5-BS442	0.0767	
		Φ30	1	1	LAY5-BS445	0.0781	
 LAY5-BS..	Emergency stop push button with key	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..	Emergency stop push button with key	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	
		Φ40	-	1	LAY5-BS142	0.1097	
Φ40	1	1	LAY5-BS145	0.1235			
Φ40	1	1	LAY5-BS9445	0.1235			

LAY5 Push-button Switch and Indicator Light

Choice switch

Elucidation	Color	Contact type		Reference	Weight (kg)	Size	
		NO	NC				
 LAY5-BD..	V	1	-	LAY5-BD21	0.0669		
		1	1	LAY5-BD25	0.0803		
	∇	1	-	LAY5-BD41	0.0669		
		1	1	LAY5-BD45	0.0803		
	3 position select switch	∇	2	-	LAY5-BD33		0.0826
		∇	2	-	LAY5-BD53		0.0826
∇		2	-	LAY5-BD73	0.0826		
 LAY5-BJ..	V	1	-	LAY5-BJ21	0.0701		
		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
		∇	2	-	LAY5-BJ53		0.0832
 LAY5-BG..	V	1	-	LAY5-BG21	0.0925		
		1	1	LAY5-BG25	0.1090		
	∇	1	-	LAY5-BG41	0.0925		
		1	1	LAY5-BG45	0.1090		
	3 position select switch with key	∇	1	-	LAY5-BG61		0.0925
		∇	1	1	LAY5-BG65		0.1090

The word lords make switch



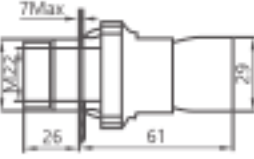


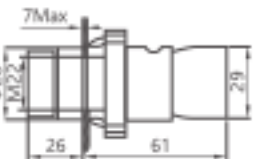


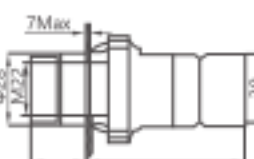
 LAY5-B2-PA..	Locked	2	-	LAY5-B2-PA12	0.0467	
	Spring return	2	-	LAY5-B2-PA22	0.0467	
 LAY5-B2-PA..	Locked	2	2	LAY5-B2-PA14	0.0525	
	Spring return	2	2	LAY5-B2-PA24	0.0525	
 LAY5-C402		4	-	LAY5-C402	0.193	
		4	-	LAY5-C4022	0.193	
		2	-	LAY5-C201	0.190	
		2	-	LAY5-C2011	0.190	

LAY5 Push-button Switch and Indicator Light






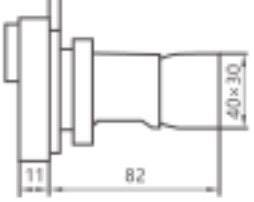
Choice switch with light

Elucidation	Color	Contact type		Reference	Weight (kg)	Size	
		NO	NC				
 LAY5-BK..	∇	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	
	∇						

Take the light shine push button switch




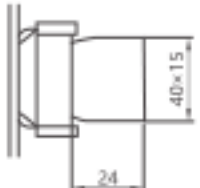
 LAY5-BW..		White	1	-	LAY5-BW3161	0.0769	
		Green	1	-	LAY5-BW3361	0.0799	
		Red	-	1	LAY5-BW3462	0.0769	
		Yellow	1	-	LAY5-BW3561	0.0769	
		Blue	1	-	LAY5-BW3661	0.0769	
 LAY5-BW..		White	1	-	LAY5-BW3171	0.0832	
		Green	1	-	LAY5-BW3371	0.0832	
		Red	-	1	LAY5-BW3472	0.0832	
		Yellow	1	-	LAY5-BW3571	0.0832	
		Blue	1	-	LAY5-BW3671	0.0382	
 LAY5-BZ..		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


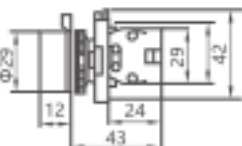

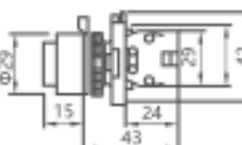


 LAY5-BL..			NO	NC		(kg)	
			1	1	LAY5-BL8325	0.0721	
 LAY5-BW..			1	1	LAY5-BW8365	0.0986	
			1	1	LAY5-BW8465	0.0986	

LAY5 Push-button Switch and Indicator Light

The button touch some mold piece

Image	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


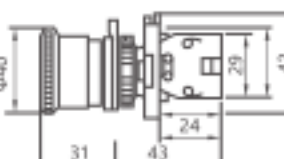

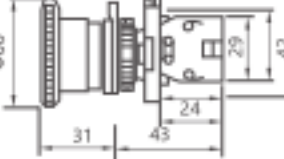

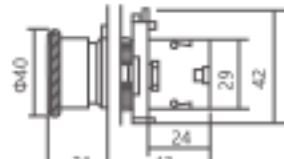

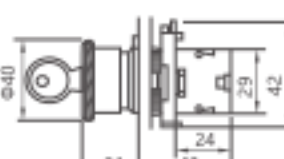
Image	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
	Flat push button	White	1	-	LAY5-EA11	0.0296	
		Black	1	-	LAY5-EA21	0.0296	
		Green	1	-	LAY5-EA31	0.0296	
		Yellow	1	-	LAY5-EA51	0.0296	
		Blue	1	-	LAY5-EA61	0.0296	
		Black	-	1	LAY5-EA22	0.0300	
		Red	-	1	LAY5-EA42	0.0300	
		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 Push-button Switch and Indicator Light

Take the spring coil button of function sign


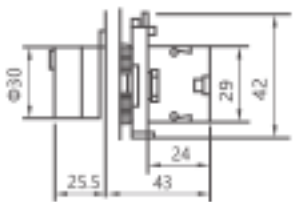

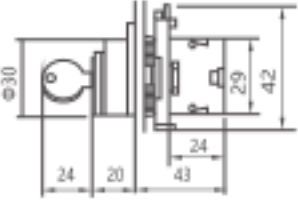
Image	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
	Flat push button with mark	Green	1	-	LAY5-EA3311	0.0312	
		White	1	-	LAY5-EA3341	0.0312	
		Black	1	-	LAY5-EA3351	0.0312	
		Red	-	1	LAY5-EA4322	0.0317	
		Red	-	1	LAY5-EA4342	0.0317	
		Red	1	1	LAY5-EA4325	0.0449	
		Red	1	1	LAY5-EA4345	0.0449	

Nasty stop a mushroom button


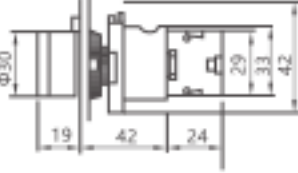


Image	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
	Φ40mm Mushroom head button	Black	1	-	LAY5-EC21	0.0500	
		Green	1	-	LAY5-EC31	0.0500	
		Yellow	1	-	LAY5-EC51	0.0500	
		Blue	1	-	LAY5-EC61	0.0500	
		Red	-	1	LAY5-EC42	0.0505	
		Green	1	1	LAY5-EC35	0.0641	
		Red	1	1	LAY5-EC45	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	
	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	
	Emergency stop switch with key	Φ40	-	1	LAY5-ES142	0.0800	
		Φ40	1	1	LAY5-ES145	0.0912	

LAY5 Push-button Switch and Indicator Light

Choice type switch

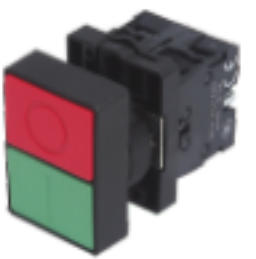
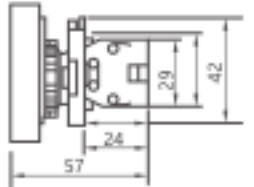

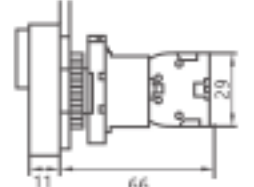
Elucidation	Color	Contact type		Reference	Weight (kg)	Size
		NO	NC			
 LAY5-ED..	2 position maintain	1	-	LAY5-ED21	0.0383	
		1	1	LAY5-ED25	0.0520	
	2 position self-return	1	-	LAY5-ED41	0.0383	
		1	1	LAY5-ED45	0.0520	
	3 position maintain	2	-	LAY5-ED33	0.0511	
	3 position self-return	2	-	LAY5-ED53	0.0511	
 LAY5-EG..	2 position maintain key switch	1	-	LAY5-EG21	0.0599	
		1	1	LAY5-EG25	0.0731	
	2 position self-return key switch	1	-	LAY5-EG41	0.0599	
		1	1	LAY5-EG45	0.0731	
		1	-	LAY5-EG61	0.0599	
	3 position maintain key switch	1	1	LAY5-EG65	0.0731	
		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	
 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	
	Red				LAY5-EV74	0.0750	
	Yellow				LAY5-EV75	0.0750	
	Blue				LAY5-EV76	0.0750	

LAY5 Push-button Switch and Indicator Light


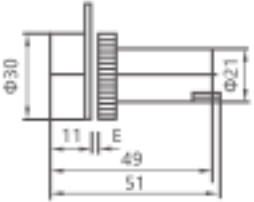
Double key button switch

Elucidation	Color	Contact type		Reference	Weight (kg)	Size	
		NO	NC				
 LAY5-EL8..	IP40	NO	NC	LAY5-EL8325	0.0485		
		IP40			LAY5-EL8425		0.0497
 LAY5-EW8..	IP40	NO	NC	LAY5-EW8465	0.0485		
		IP40			LAY5-EW8365		

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

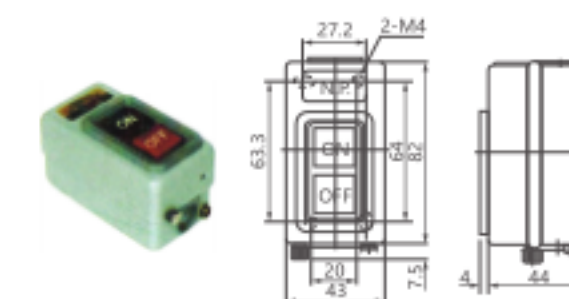
 LAY5-EA..	The spring coil return type	Black	1	-	LAY5-EA121	0.0170	
			1	1	LAY5-EA125	0.0290	
		Green	1	-	LAY5-EA131	0.0170	
			1	1	LAY5-EA135	0.0290	
		Red	-	1	LAY5-EA142	0.0170	
			1	1	LAY5-EA145	0.0290	
		Yellow	1	-	LAY5-EA151	0.0170	
		Blue	1	-	LAY5-EA161	0.0170	

LAY5 Push-button Switch and Indicator Light

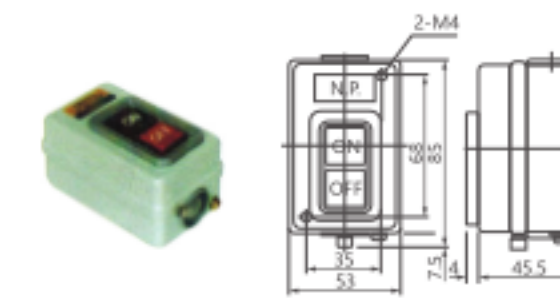
Button switch box

	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: O
	LAY5-J174	Red Φ 40 mushroom auto-locking, turn	
		LAY5-B211H29	Green flat button, 1NO; Red flat button, 1NO
LAY5-B213		Green flat button, 1NO; Red flat button, 1NO	Switch mark: I O
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 O II
	LAY5-B334	White flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: ↑ O ↓
	LAY5-B311H29	White flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: → O ←

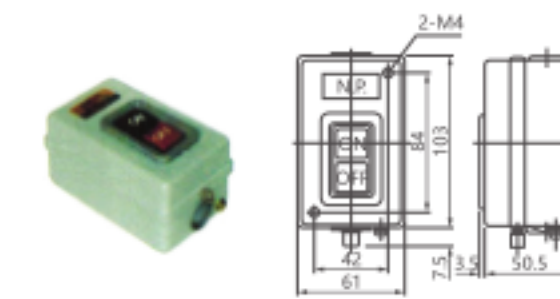
LAY5 Push-button Switch and Indicator Light



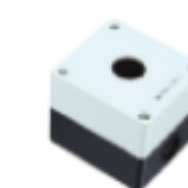
BS216



BS230

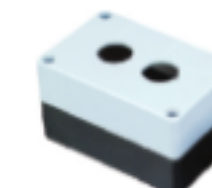


BS211



Button box for single hole
IP40
 ϕ 22, ϕ 25

LAY5-BOX1



Button box for two holes
IP40
 ϕ 22, ϕ 25

LAY5-BOX2



Button box for three holes
IP40
 ϕ 22, ϕ 25

LAY5-BOX3



Button box for four holes
IP40
 ϕ 22, ϕ 25

LAY5-BOX4



Button box for five holes
IP40
 ϕ 22, ϕ 25

LAY5-BOX5



Button box for six holes
IP40
 ϕ 22, ϕ 25

LAY5-BOX6



Button box for single hole
IP40/54
 ϕ 22, ϕ 25

LAY5-BP01



Button box for two holes
IP40/54
 ϕ 22, ϕ 25

LAY5-BP02



Button box for three holes
IP40/54
 ϕ 22, ϕ 25

LAY5-BP03



Button box for five holes
IP40/54
 ϕ 22, ϕ 25

LAY5-BP05



Button box for six holes
IP40/54
 ϕ 22, ϕ 25

LAY5-BP06


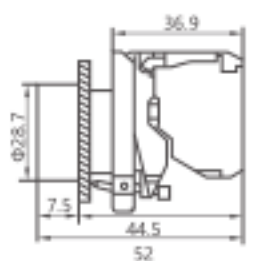

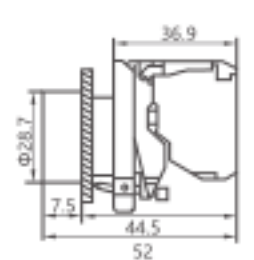

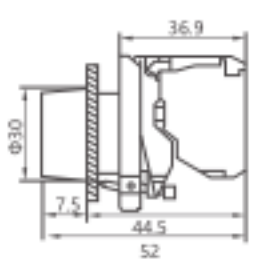


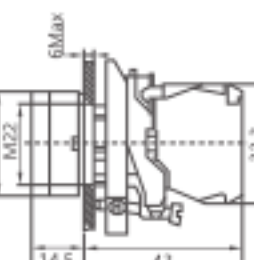


Button box for four holes
IP40/54
 ϕ 22, ϕ 25

LAY5-BP04


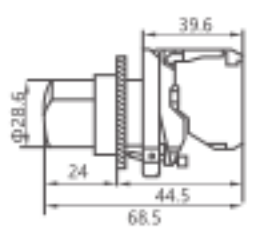

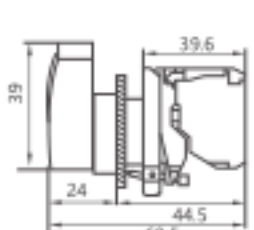

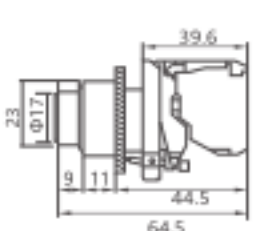

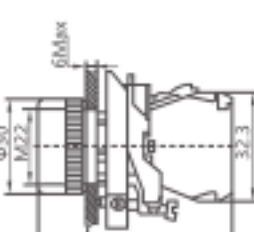

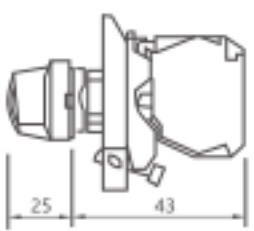


LAY4 Push-button Switch and Indicator Light

Button switch

	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
 <p>LAY4-BA..</p>	Flat push-button	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	
		Red	1	1	LAY4-BA45	0.0774	
 <p>LAY4-BL..</p>	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	
 <p>LAY4-BP..</p>	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	
		 <p>LAY4-BA....</p>	Flat push button with mark		1	-	
	1			-	LAY4-BA3341	0.0589	
	1			-	LAY4-BA3351	0.0589	
	-			1	LAY4-BA4322	0.0590	
	-			1	LAY4-BA4342	0.0590	
	1			1	LAY4-BA4325	0.068	
 <p>LAY4-BW....</p>	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	


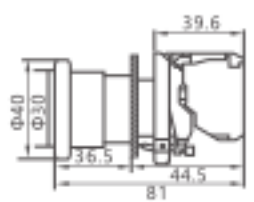

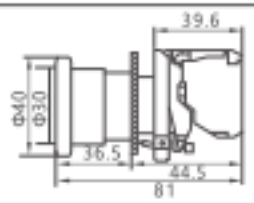

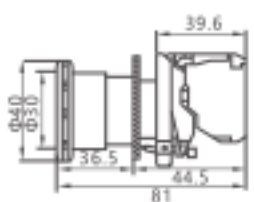

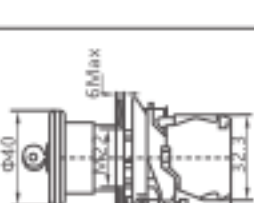
LAY4 Push-button Switch and Indicator Light

Choice switch


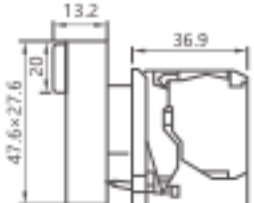

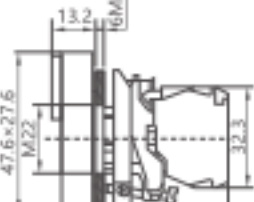
	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
 <p>LAY4-BD..</p>	2 position switch	V	1	-	LAY4-BD21	0.083	
			1	1	LAY4-BD25	0.0925	
		∇	1	-	LAY4-BD41	0.083	
			1	1	LAY4-BD45	0.0925	
		∇	2	-	LAY4-BD33	0.0925	
			2	-	LAY4-BD53	0.0925	
 <p>LAY4-BJ..</p>	2 position switch with long handle	V	1	-	LAY4-BJ21	0.083	
			1	1	LAY4-BJ25	0.0925	
 <p>LAY4-BG..</p>	3 position switch with key	V	2	-	LAY4-BJ33	0.0925	
			2	-	LAY4-BJ53	0.0925	
		∇	2	-	LAY4-BJ73	0.0925	
			2	-	LAY4-BJ73	0.0925	
 <p>LAY4-BV..</p>	Take LED (include a lamp bulb) ≤220V	X1 X2	1	-	LAY4-BG21	0.106	
			1	1	LAY4-BG25	0.1154	
			1	-	LAY4-BG41	0.106	
			1	1	LAY4-BG45	0.1154	
			1	-	LAY4-BG61	0.106	
			1	1	LAY4-BG65	0.1154	
 <p>LAY4-BK....</p>	The 3P direct type take a light choice a switch	V	2	-	LAY4-BG33	0.1154	
			2	-	LAY4-BG53	0.1154	
			1	-	LAY4-BV61	0.0639	
			1	-	LAY4-BV63	0.0639	
			1	-	LAY4-BV64	0.0639	
			1	-	LAY4-BV65	0.0639	
 <p>LAY4-BK....</p>	The 3P direct type take a light choice a switch	V	1	1	LAY4-BK123B5	0.105	
			1	1	LAY4-BK124B5	0.105	
			1	1	LAY4-BK125B5	0.105	
			2	-	LAY4-BK133G5	0.105	
			2	-	LAY4-BK134G5	0.105	
			2	-	LAY4-BK135G5	0.105	
			2	-	LAY4-BK153M5	0.105	
			2	-	LAY4-BK154M5	0.105	
			2	-	LAY4-BK155M5	0.105	
			1	1	LAY4-BK143M5	0.105	

LAY4 Push-button Switch and Indicator Light

"Urgent stop" button up type mushroom head button


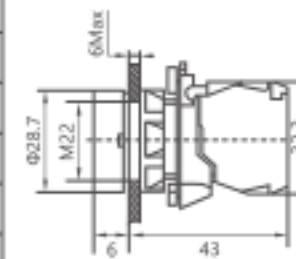

Elucidation	Color	Contact type		Reference	Weight (kg)	Size
		NO	NC			
 LAY4-BC..	Black	1	-	LAY4-BC21	0.116	
	Green	1	-	LAY4-BC31	0.116	
	Red	-	1	LAY4-BC42	0.116	
	Green	1	1	LAY4-BC35	0.1211	
	Red	1	1	LAY4-BC45	0.1211	
 LAY4-BT..	Φ40	-	1	LAY4-BT42	0.12	
	Φ40	1	1	LAY4-BT45	0.12	
 LAY4-BS..	Φ40	-	1	LAY4-BS542	0.105	
	Φ40	1	1	LAY4-BS545	0.1154	
	Φ40	1	1	LAY4-BS8445	0.1154	
 LAY4-BS..	Φ40	-	1	LAY4-BS142	0.0800	
	Φ40	1	1	LAY4-BS145	0.0912	

Indicator


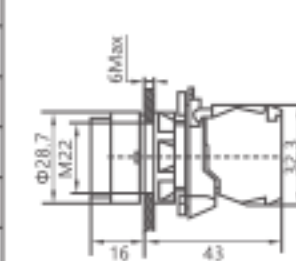

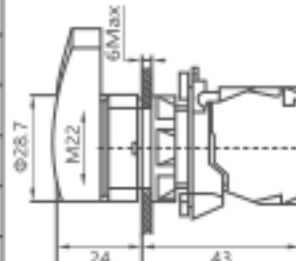
 LAY4-BL...	Double button		-	1	LAY4-BL8325	
			-	1	LAY4-BL8312	
			1	1	LAY4-BL8425	
			1	1	LAY4-BL8412	
 LAY4-BL...	Double key square head take a light button Direct take LED		1	1	LAY4-BW8365	
			1	1	LAY4-BW8465	

XB5 Push-button Switch and Indicator Light

The spring coil reset a button

Elucidation	Position	Contact type		Reference	Weight (kg)	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	-	
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

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

XB5 Push-button Switch and Indicator Light

Key choice switch

	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
	2 position switch with key		1	-	XB5-AG21	0.055	
			1	1	XB5-AG25	0.066	
			1	-	XB5-AG41	0.055	
			1	1	XB5-AG45	0.066	
	3 position switch with key		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

	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	
	Emergency stop switch	Φ40	-	1	XB5-AS542	0.045	
		Φ40	1	1	XB5-AS545	0.056	
	Push-pull button	Φ40	-	1	XB5-AT42	0.055	
		Φ40	1	1	XB5-AT45	0.066	
	Emergency stop switch with key	Φ40	-	1	XB5-AS142	0.065	
		Φ40	1	1	XB5-AS145	0.076	

XB5 Push-button Switch and Indicator Light

The crew cut take a light button



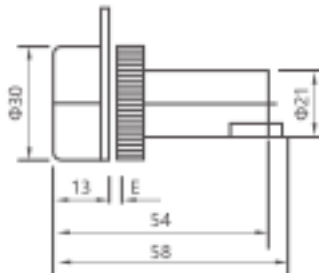






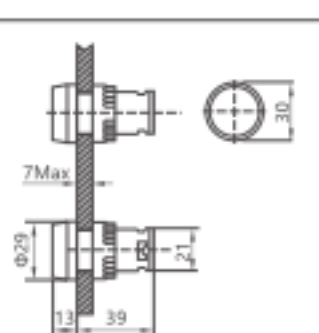






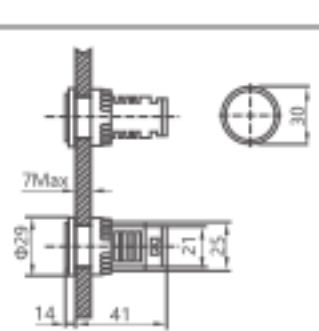






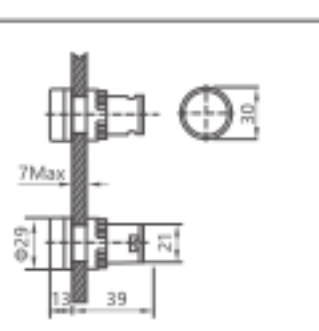






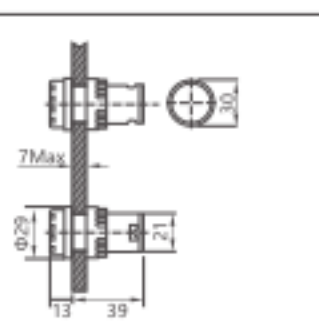






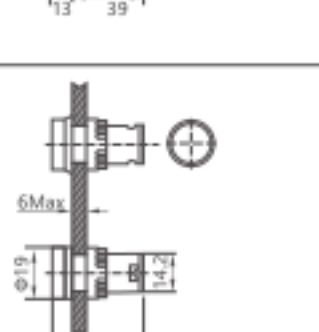




	Elucidation	Color	Contact type		Reference	Weight (kg)	Size
			NO	NC			
	Direct ≤220V	White	1	-	XB5-AW3161	0.037	
		Green	1	-	XB5-AW3361	0.037	
		Red	-	1	XB5-AW3462	0.037	
		Yellow	1	-	XB5-AW3561	0.037	
		Blue	1	-	XB5-AW3661	0.037	
		White			XB5-AV61	0.025	
		Green			XB5-AV63	0.025	
		Red			XB5-AV64	0.025	
		Yellow			XB5-AV65	0.025	
		Blue			XB5-AV66	0.025	

Double key button switch

	Double key button switch	IP40		XB5-AL8325	0.038	
		IP40		XB5-AL8425	0.038	
	Direct Double key square the head take a light a button resistance type	IP40		XB5-AW8465	0.051	
		IP40		XB5-AW8365	0.051	



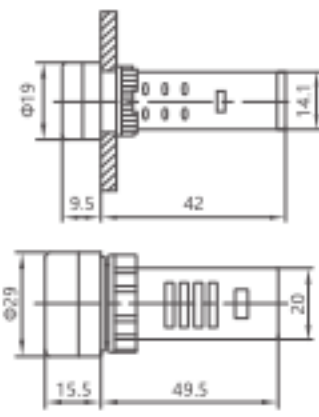






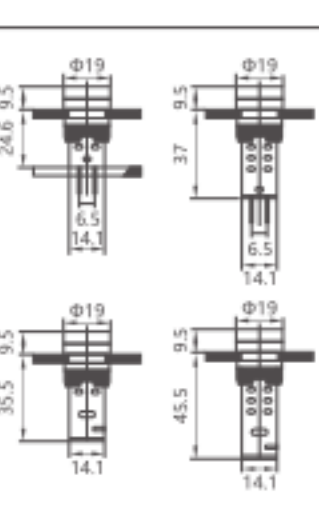






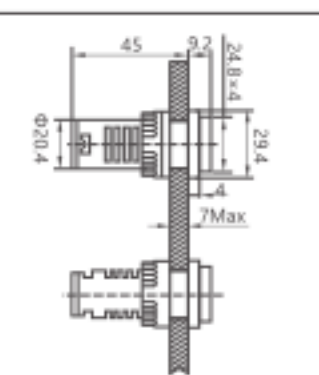






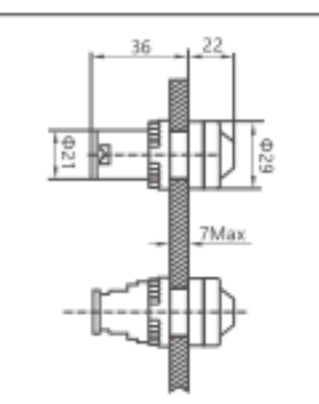






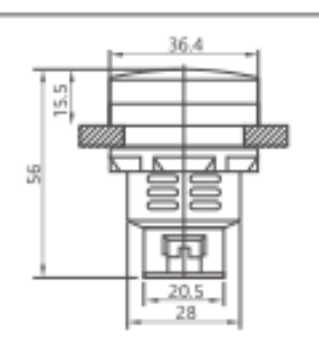




AD22 Push-button Switch and Indicator Light

Semi-conductor economy energy indicator (LED)

	Elucidation	Color	Reference	Weight (kg)	Size
 AD22-22AS	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	
 AD22-22BS	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	
 AD22-22CS	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	
 AD22-22DS	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	
 AD22-22ES	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	
 AD16-16DS	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	


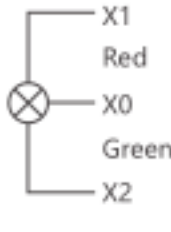
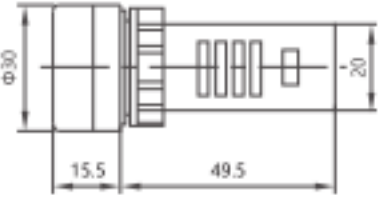

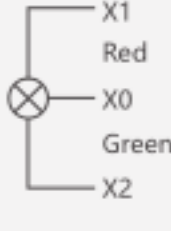
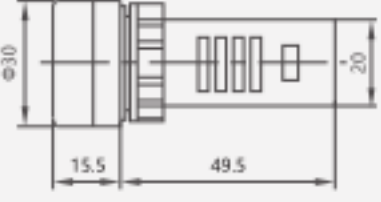

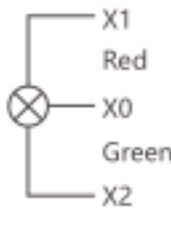
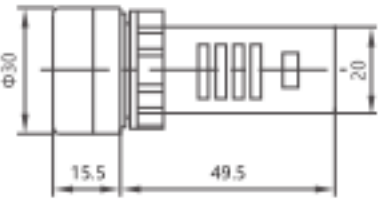

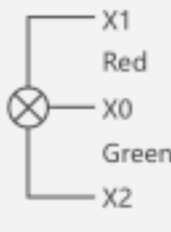

AD22 Push-button Switch and Indicator Light

Semi-conductor economy energy indicator (LED)


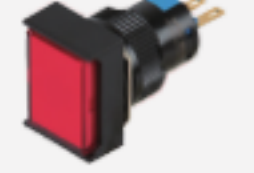
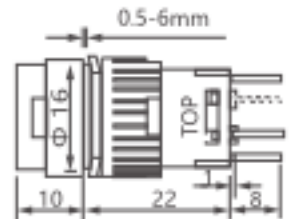

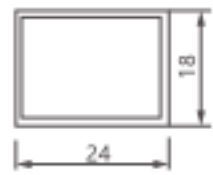



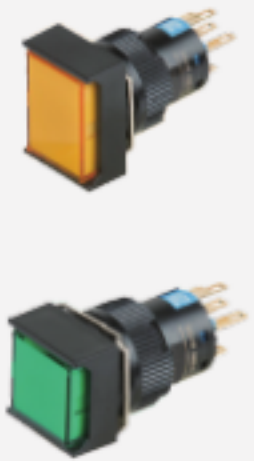

	Elucidation	Color	Reference	Weight (kg)	Size
 AD16-16SM AD16-22SM	Φ16M type Buzzer Buzzer Flash Buzzer Flash Buzzer	 Green	AD16-16SM	0.0024	
		 Red	AD16-22SM		
		 Yellow	AD16-22SM		
		 Blue	AD16-22SM		
		 White	AD16-22SM		
Note: The color of AD16-22SM Buzzer is only ● Black.					
 AD22-16CS	The LED electronics economy energy indicator Install size Φ16 (The led has already prepared to pack into integral whole and can't dismantle a cent)	 Green	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	
 AD22-22F	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	AD22-22F 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	
 AD22-22HS	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	AD22-22HS 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	
 AD22-30D	The LED electronics economy energy indicator Install size Φ30 (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 Push-button Switch and Indicator Light


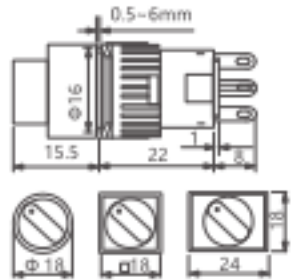



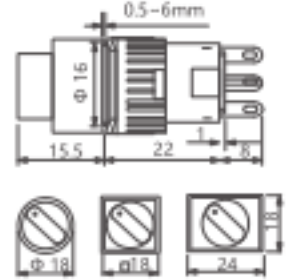

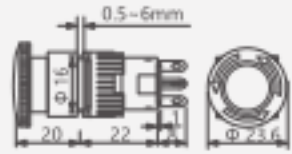

Specifications

Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Connect ground indicator	AD22-22W/N	<ul style="list-style-type: none"> Red Green 	21-DC.AC 6V 22-DC.AC 12V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.220V 29-FD.380V 31-AC.220V 32-AC.380V	
	Isolation brake position indicator	AD22-22W/G	<ul style="list-style-type: none"> Red Green 	21-DC.AC 6V 22-DC.AC 12V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.220V 29-FD.380V 31-AC.220V 32-AC.380V	
	Circuit breaker position indicator	AD22-22W/D	<ul style="list-style-type: none"> Red Green 	21-DC.AC 6V 22-DC.AC 12V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.220V 29-FD.380V 31-AC.220V 32-AC.380V	
	Double color indicator light	AD22-22SS	<ul style="list-style-type: none"> Red Green 	21-DC.AC 6V 22-DC.AC 12V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.220V 29-FD.380V 31-AC.220V 32-AC.380V	

AD16 Push-button Switch and Indicator Light


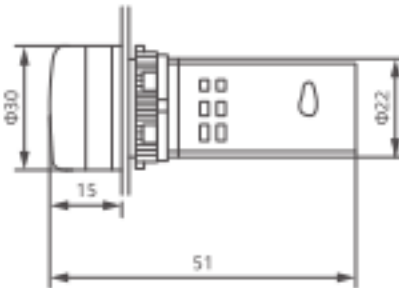

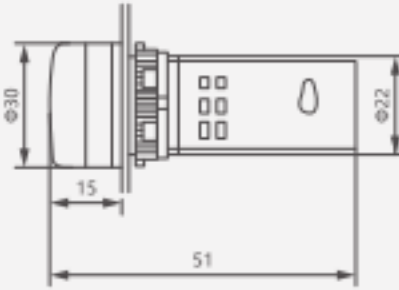

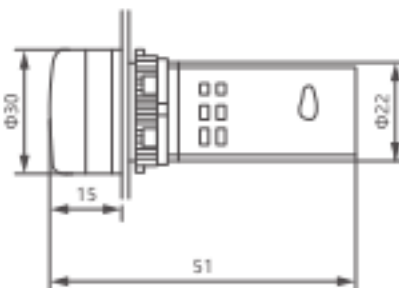

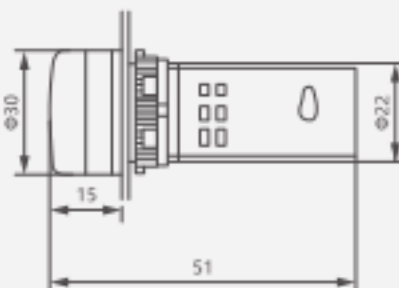
Style	Product name	Model	Color	Action type	Remarks
	Indicator Φ16	Round Square Rectangle	AD16-XD AD16-FXD AD16-JXD	<ul style="list-style-type: none"> White Green Red Yellow Blue 	Indicator light
	Push button switch Φ16	Round Square Rectangle	AD16-11 AD16-22 AD16-11F AD16-22F AD16-11J AD16-22J	<ul style="list-style-type: none"> White Green Red Yellow Blue 	Spring type R/G/Y/B/W could be with LED 
	Self-locking Push button Φ16	Round Square Rectangle	AD16-11T AD16-22T AD16-11TF AD16-22TF AD16-11TJ AD16-22TJ	<ul style="list-style-type: none"> White Green Red Yellow Blue 	Self-locking  
	Push button with light switch Φ16	Round Square Rectangle	AD16-11D AD16-22D AD16-11FD AD16-22FD AD16-11JD AD16-22JD	<ul style="list-style-type: none"> White Green Red Yellow Blue 	Push button with light 
	Self-locking with light button Φ16	Round Square Rectangle	AD16-11TD AD16-22TD AD16-11TFD AD16-22TFD AD16-11TJD AD16-22TJD	<ul style="list-style-type: none"> White Green Red Yellow Blue 	Self-locking with light 

AD16 Push-button Switch and Indicator Light

Style	Product name	Model	Color	Action type	Remarks
	Round 2 position Square 2 position Rectangle 2 position	AD16-11X/2 AD16-11FX/2 AD16-11JX/2	● Black ● Green ● Red	∨	
	Round 3 position Square 3 position Rectangle 3 position	AD16-22X/3 AD16-22FX/3 AD16-22JX/3		∨	
	Mushroom push button switch spring Φ16	AD16-11M AD16-22M	● Green ● Red ● Yellow ● Blue	Spring type	R/G/Y/B could be with LED 
	Mushroom push button switch maintain Φ16	AD16-11MT AD16-22MT		Maintain type	
	Mushroom push button with light Φ16	AD16-11MD AD16-22MD		Spring type	
	Round key push button switch Φ16	2 position	● Black	∨	2 key All keys generic Protection degree IP40 
		2 position		∨	
		3 position		∨	
	Square key push button switch Φ16	2 position		∨	
		2 position		∨	
		3 position		∨	
Rectangle key push button switch Φ16	2 position	∨			
	2 position	∨			
	3 position	∨			
	Emergency switch Φ16	AD16-11ZS	● Green	Auto-locking type	
		AD16-22ZS	● Red		
	Buzzer Φ16	AD16-Y-B	● Black	-	Normal <24V
		AD16-F-B		-	
		AD16-J-B		-	


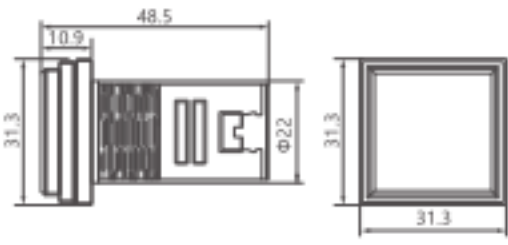

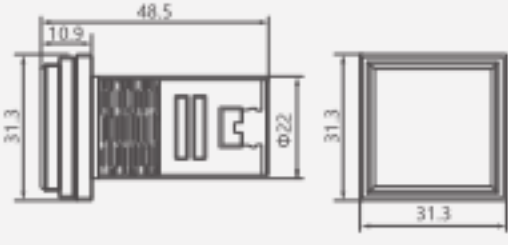

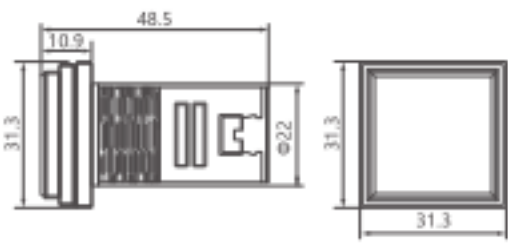

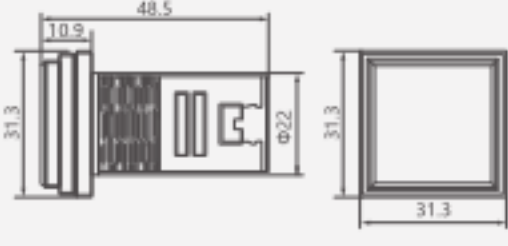
AD16 Signal Digital Indicator Digital Meter

Specifications

Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Indicator Voltmeter	AD16-22DV	○ White ● Green ● Red ● Yellow ● Blue	AC20~500V	
	Indicator Ammeter	AD16-22DA	○ White ● Green ● Red ● Yellow ● Blue	0~100A Max AC380	
	Indicator Frequency meter	AD16-22DHZ	○ White ● Green ● Red ● Yellow ● Blue	0~99Hz	
	Indicator Thermometer	AD16-22DT	○ White ● Green ● Red ● Yellow ● Blue	-20°C~+199°C	


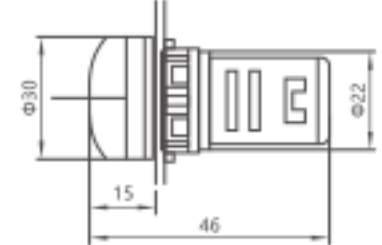

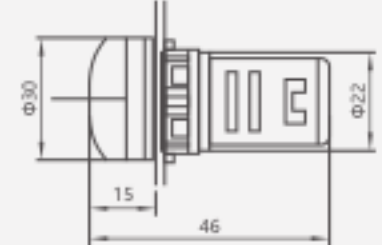

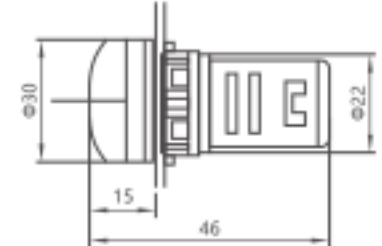

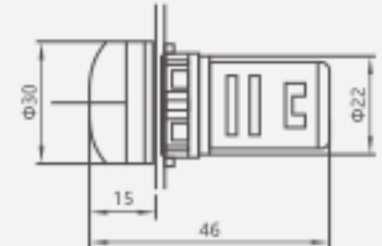
AD16 Signal Digital Indicator Digital Meter

Specifications

Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Indicator Voltmeter	AD16-22VS	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	AC20~500V	
	Indicator Ammeter	AD16-22AS	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	0~100A Max AC380	
	Indicator Frequency meter	AD16-22HzS	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	0~99Hz	
	Indicator Thermo-meter	AD16-22TS	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	-20°C~+199°C	


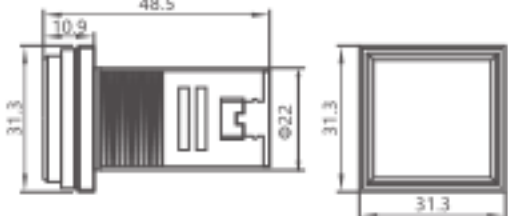

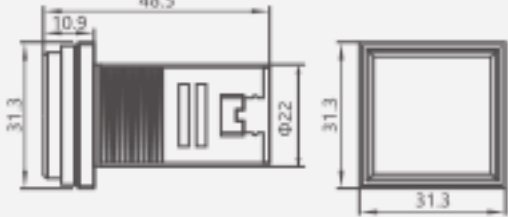

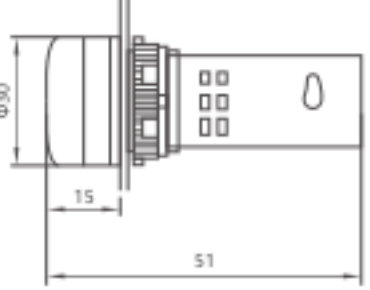

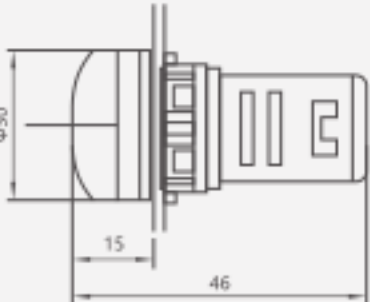
AD16 Signal Digital Indicator Digital Meter

Specifications

Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Indicator Voltmeter & Ammeter	AD16-22VA	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	AC50~500V 0-100A	
	Indicator Voltmeter Frequency meter	AD16-22VHz	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	AC50-500V 0-99AHZ	
	Indicator counter	AD16-22CC	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	0~999999	
	Indicator hours	AD16-22HR	<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	0-999H	

AD16 Signal Digital Indicator Digital Meter

Specifications

Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Indicator Voltmeter &Ammeter Frequency meter	AD16-22VAHzS	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	AC50-500V 0-100A 0-99Hz	
	Indicator Voltmeter &Ammeter	AD16-22VAS	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	AC50-500V 0-100A	
	Indicator power meter	AD16-22KW	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	AC220V/26KW AC380V/45KW	
	Indicator power meter	AD16-22KW+W	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	AC220V 50W-4.5KW	

COB Push-button Switch

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.

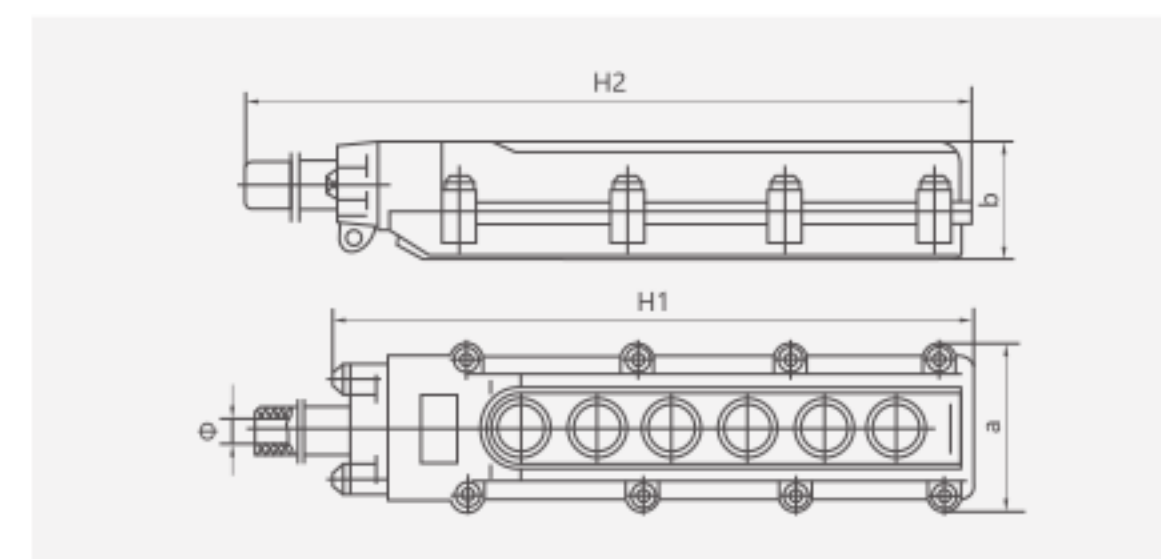
Specifications

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□		



COB-61



COB-61A



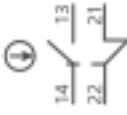






COB-64



COB-64A

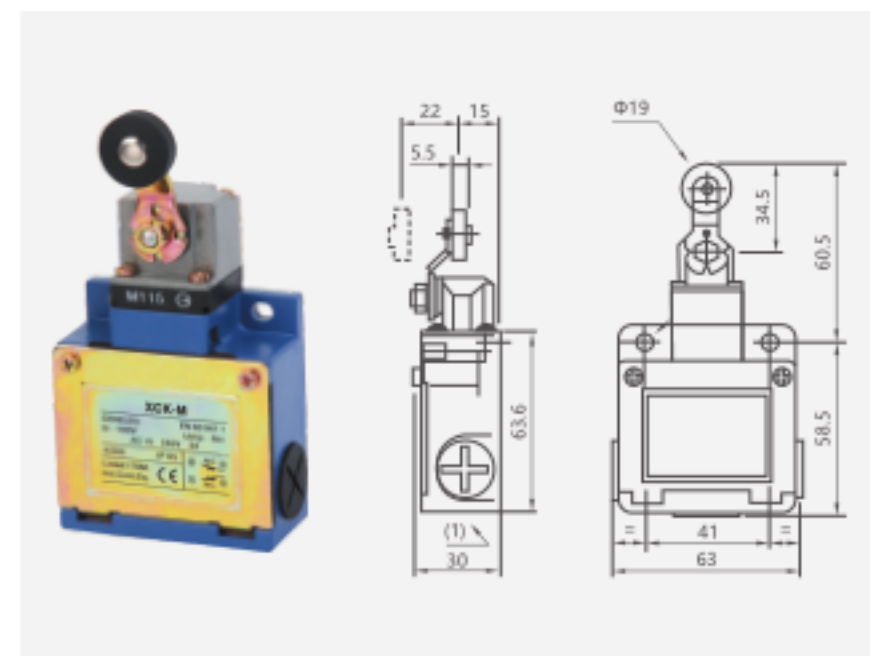
XCK-M Limit Switch

Characteristics / Application

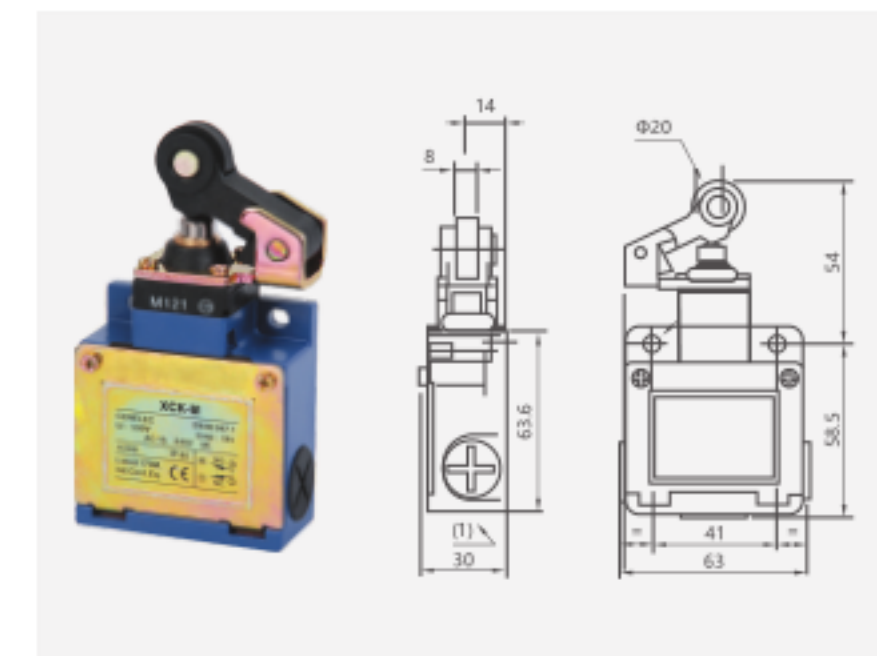
Item	TXCK-M mode, metal three line incoming mouths					
 2-pole contact terminal Quick	Metal head directacting type	Meta steel-roller directacting type	Metal thermoplastic roller tumbler directacting type, Single direction with horizontal movement	Adjustable length and thermoplastic rooler tumbler type	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 

XCK-M Limit Switch

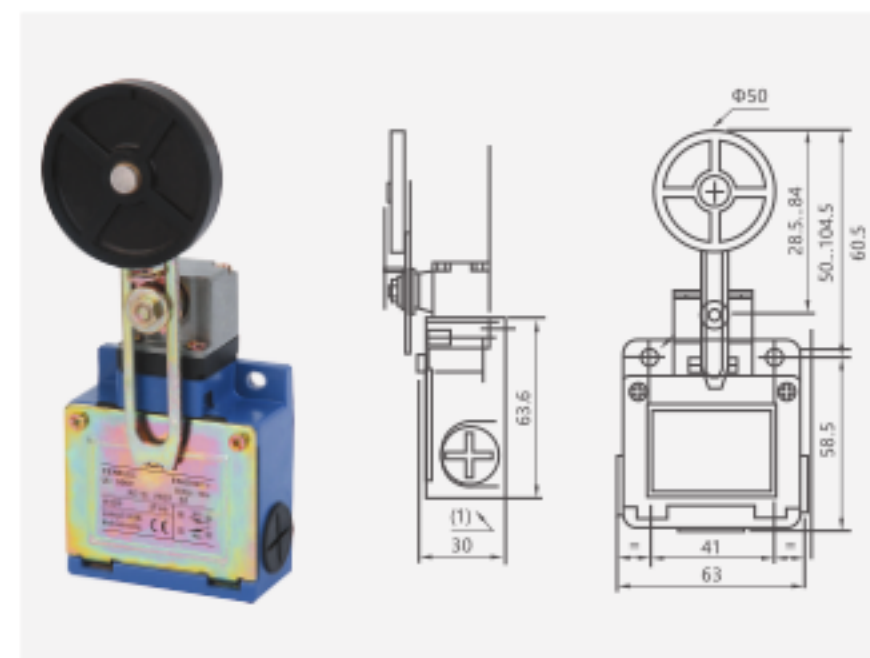
XCK-M115



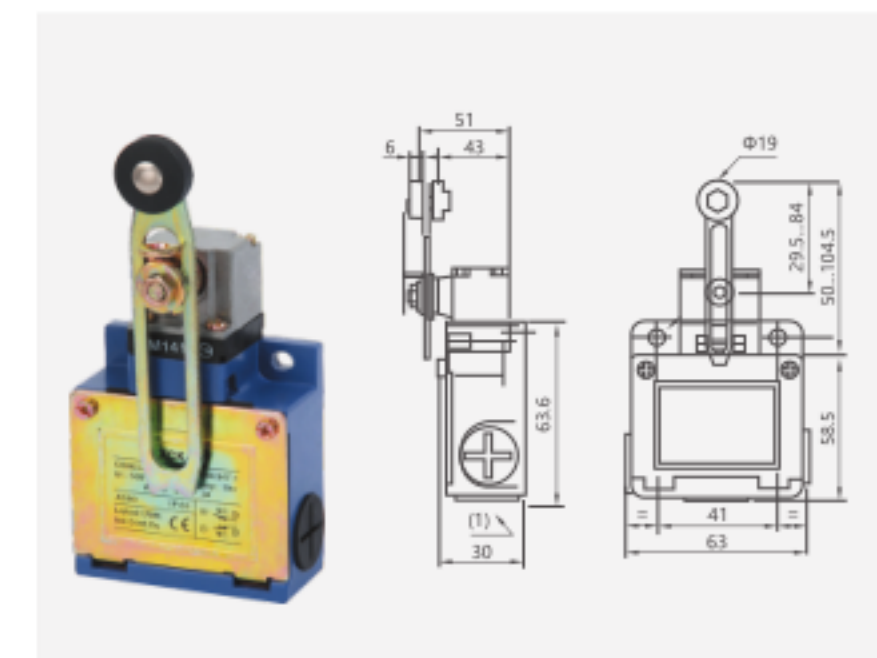
XCK-M121



XCK-M139

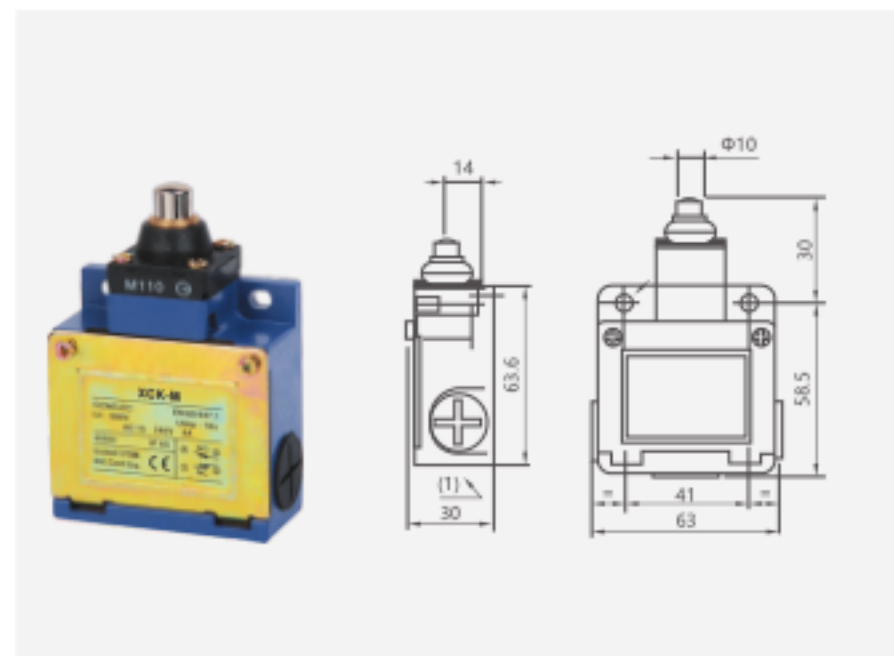


XCK-M141

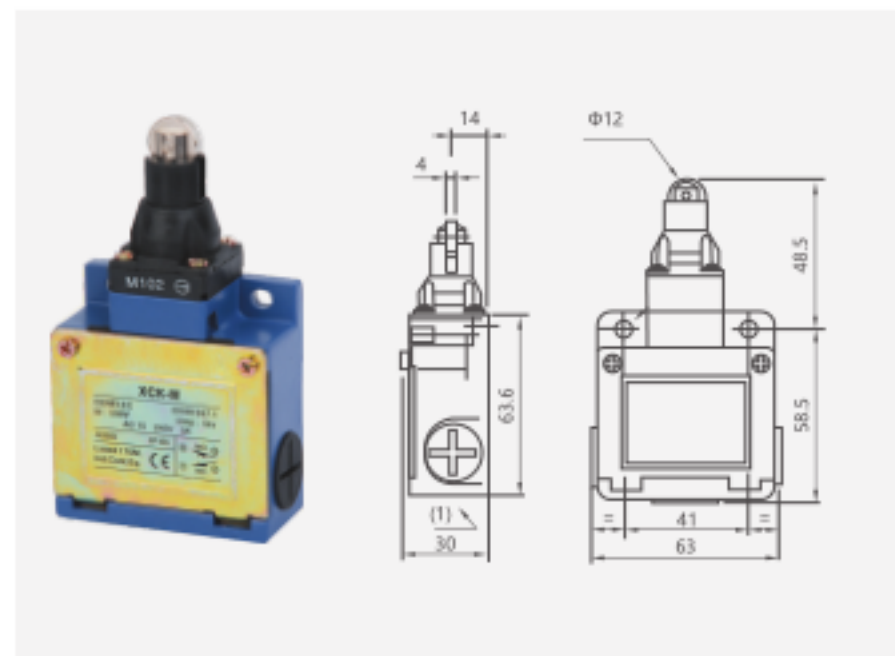


External appearance size

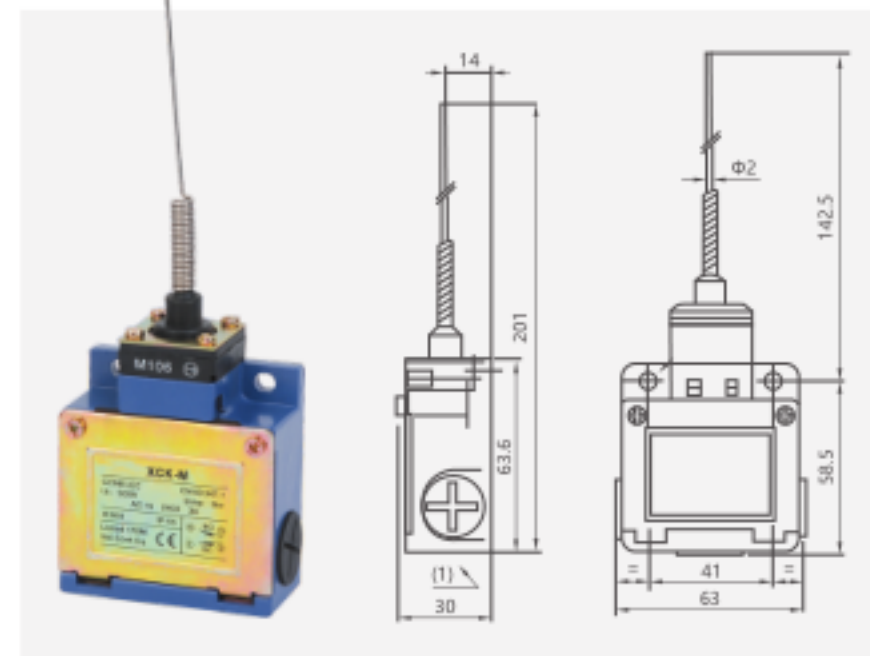
XCK-M110



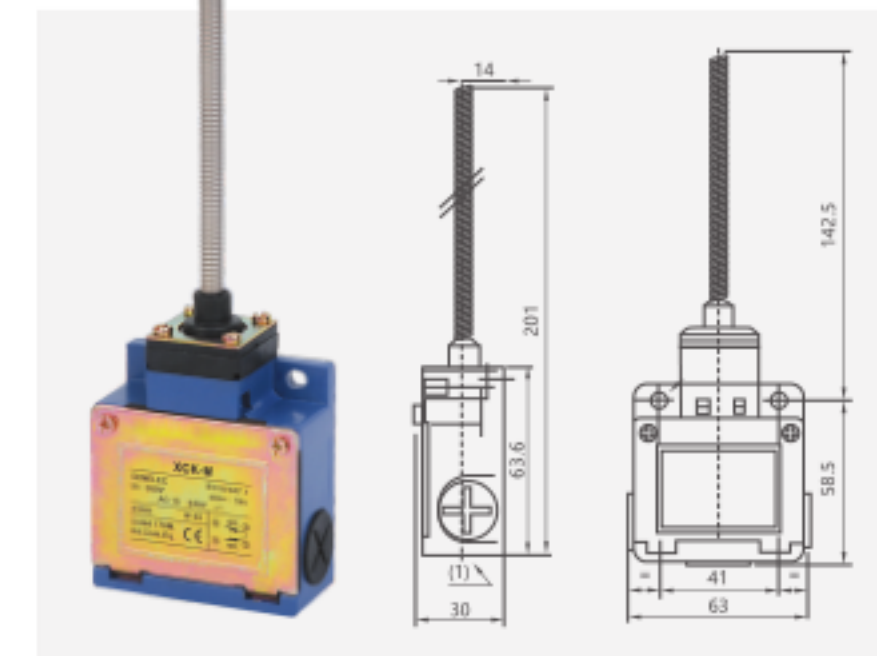
XCK-M102



XCK-M106

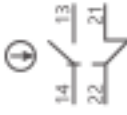


XCK-M108



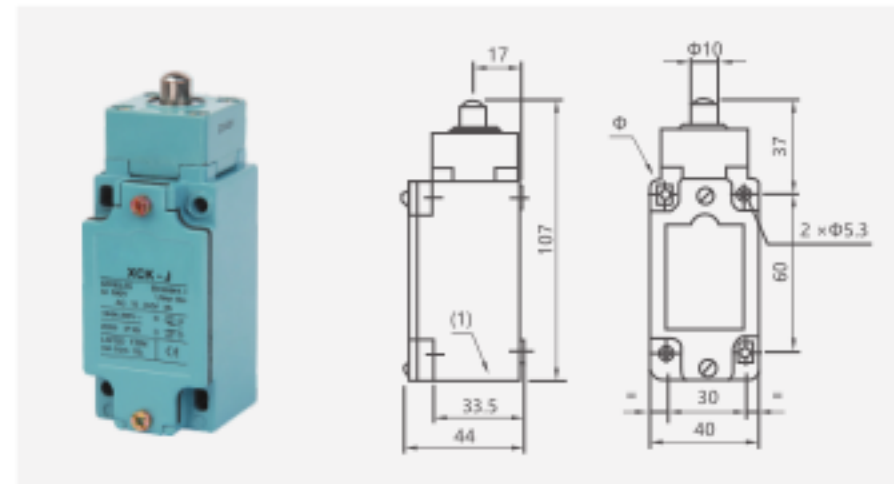
Industrial equipment and switches
XCK-J Limit Switch

Characteristics / Application

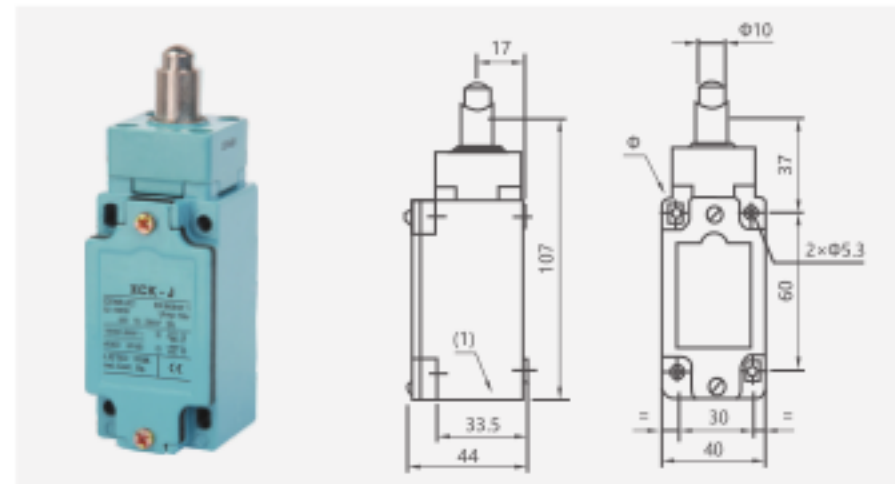
Item	TXCK-J mode double insulation, according to cenelec EN50041						
 2-pole contact terminal Quick	Metal head directacting type	Meta steel-roller directacting type	Metal thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic rooler tumbler type	Metal thermoplastic cylindrical 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

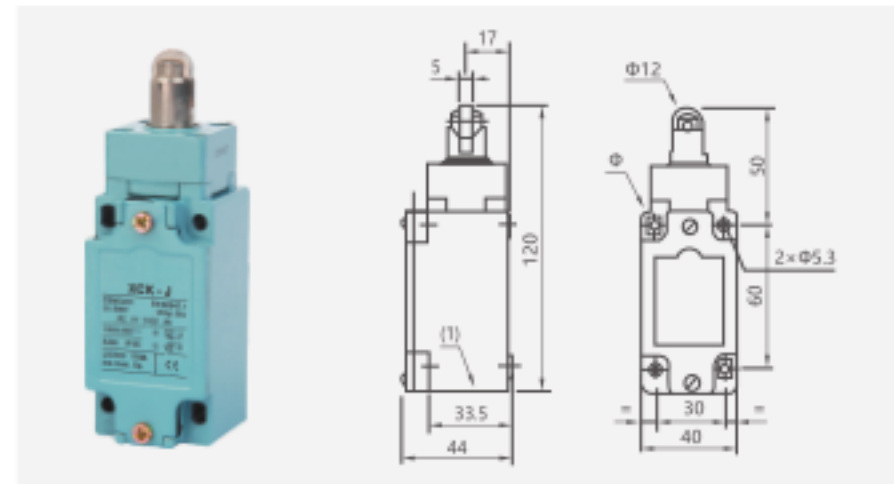
XCK-J161



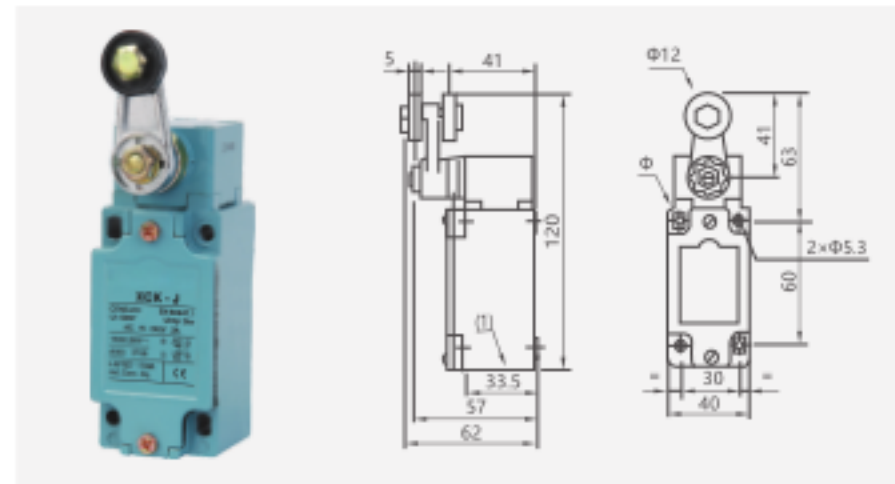
XCK-J1161



XCK-J167

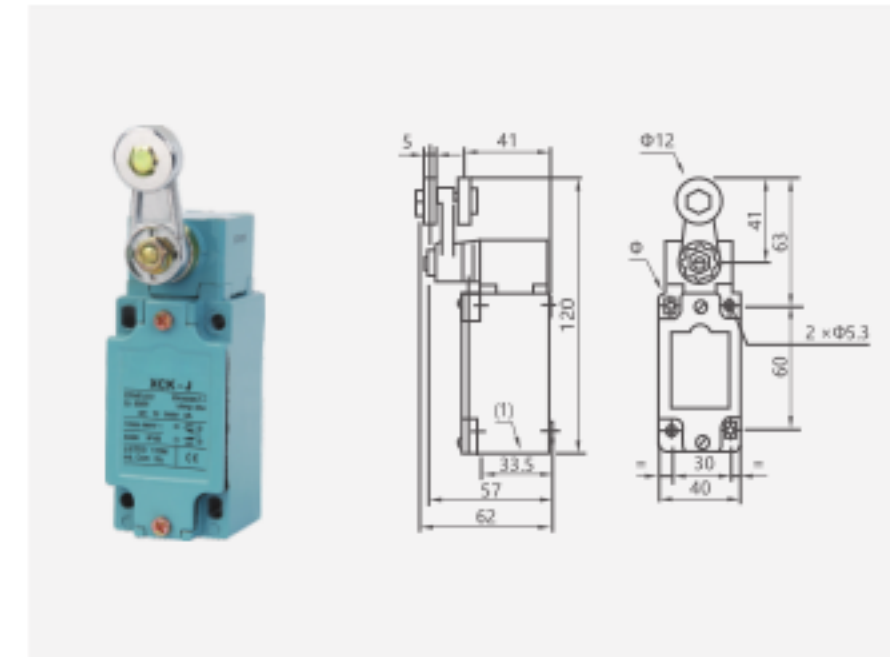


XCK-J10511

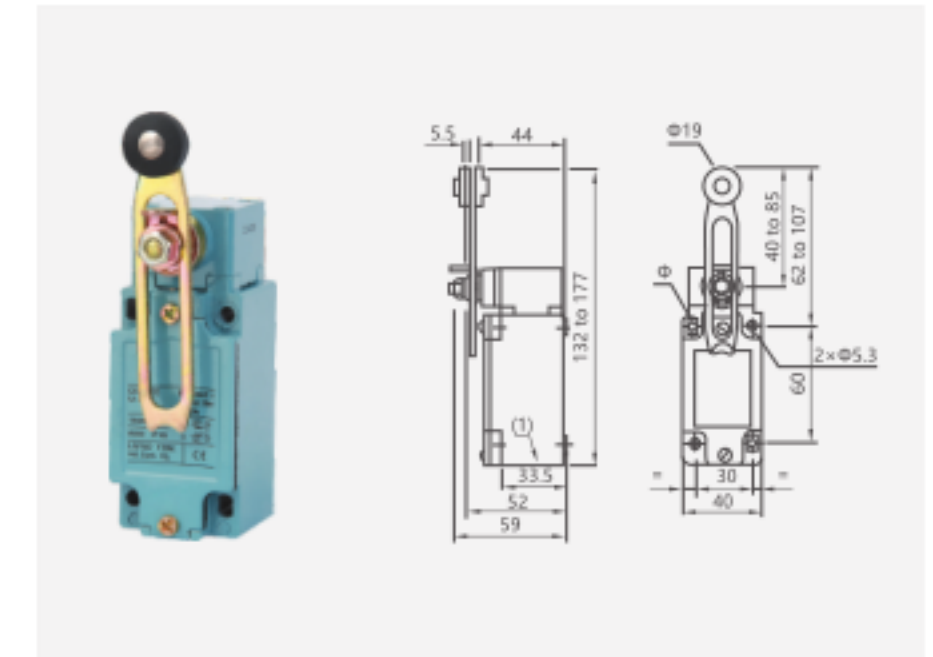


Industrial equipment and switches
XCK-J Limit Switch

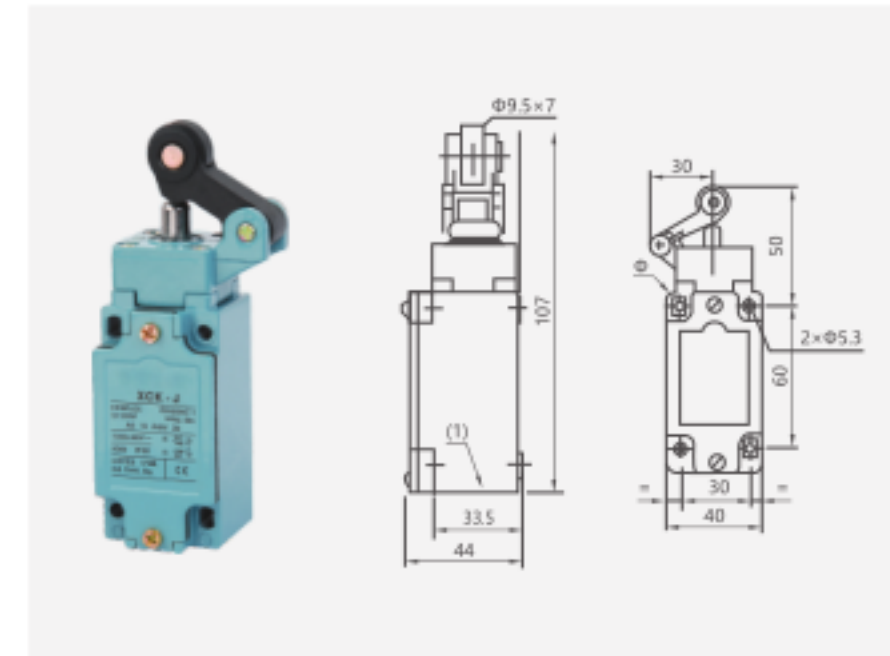
XCK-J10531



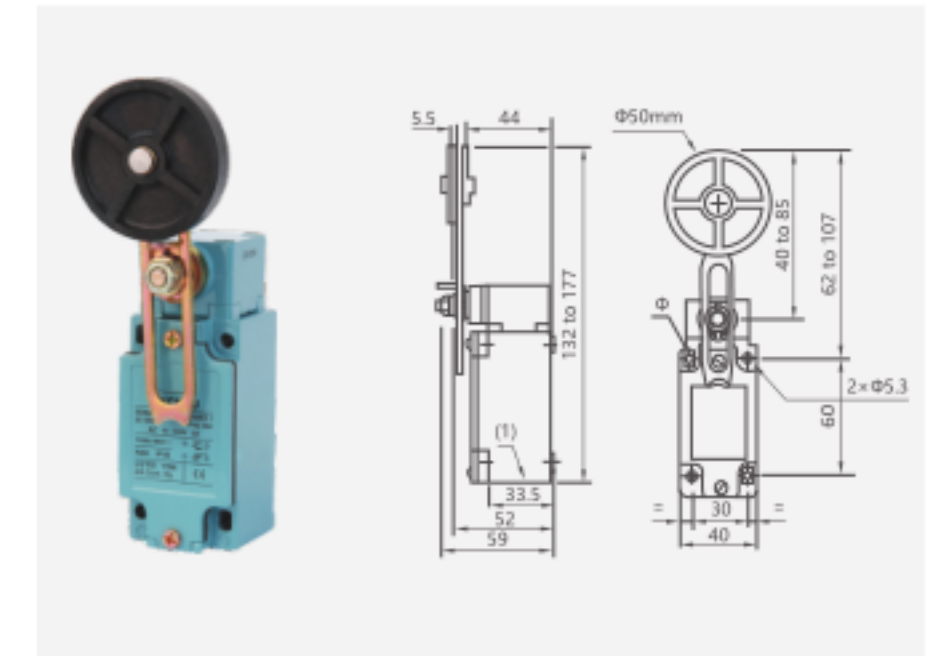
XCK-J10541



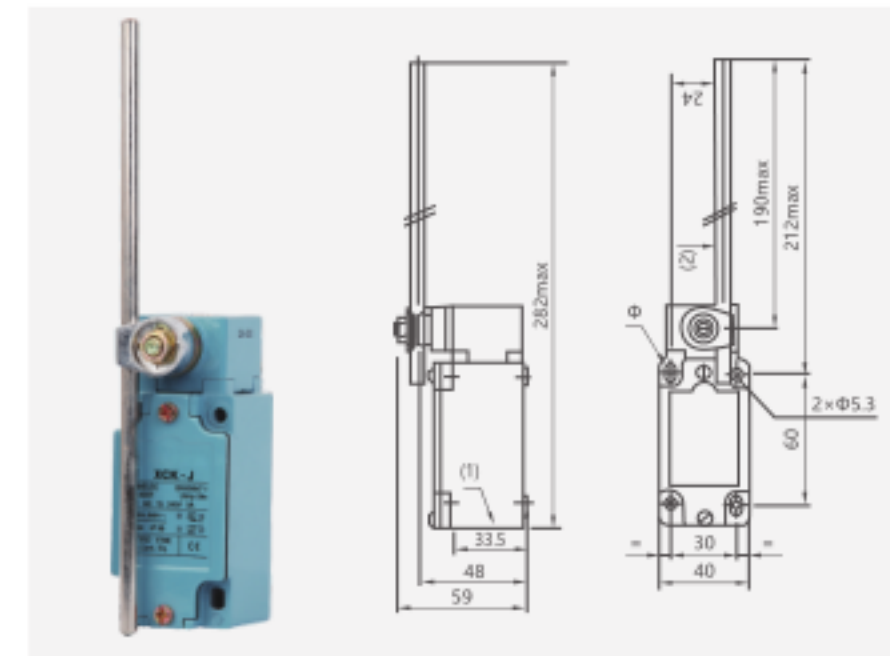
XCK-J121



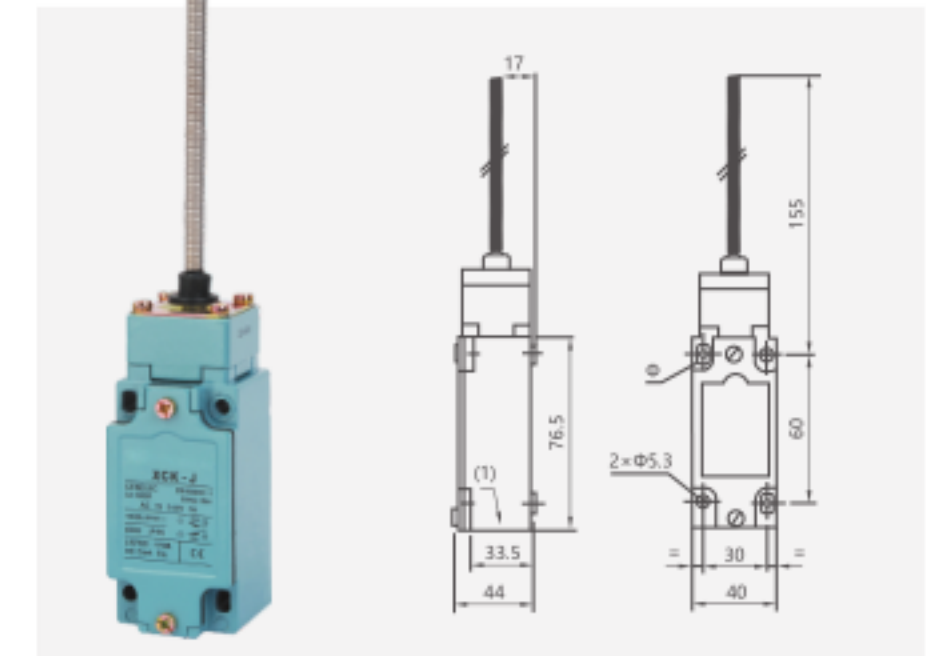
XCK-J139



XCK-J10559

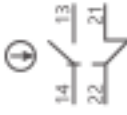


XCK-J108



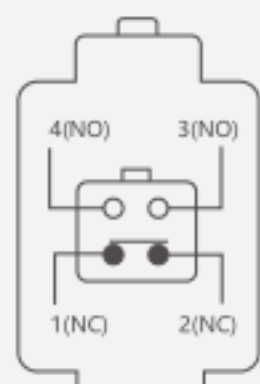
XCK-P Limit Switch

Characteristics / Application

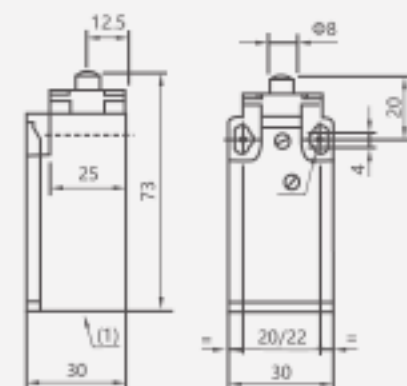
Item	TXCK-P mode double insulation, according to cenelec EN50047 on-line incoming mouth						
 2-pole contact terminal Quick	Metal head directacting type	Stell-roller directacting type	Metal thermoplastic roller tumbler directacting type	Thermoplastic roller tumbler directacting type	Adjustable length 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

External appearance size

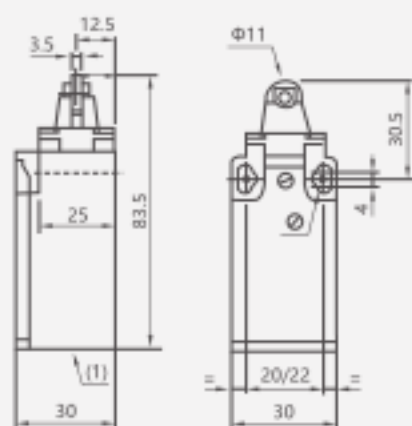
Contact form



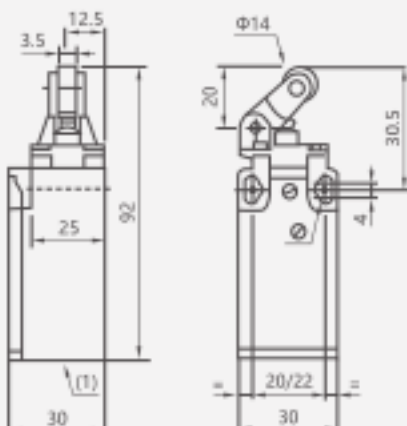
XCK-P110



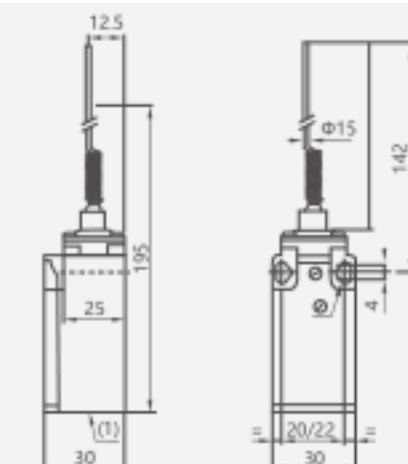
XCK-P102



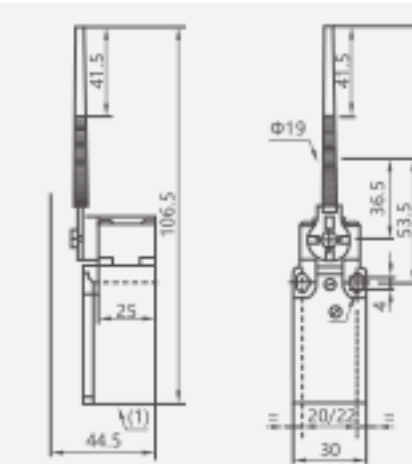
XCK-P121



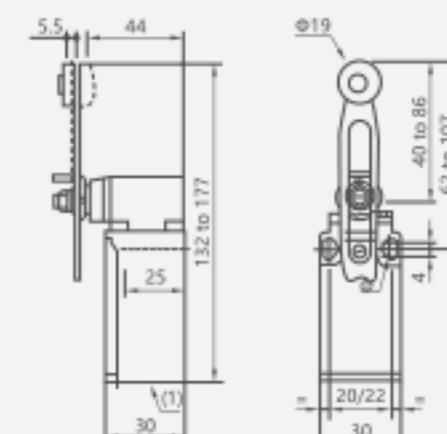
XCK-P106



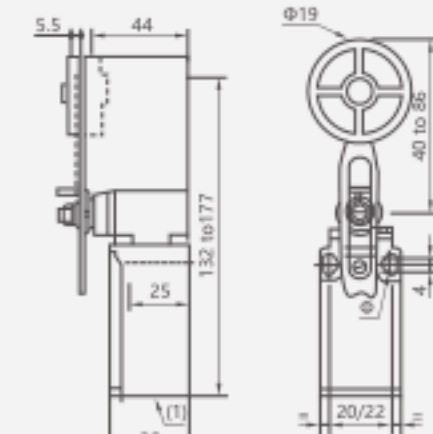
XCK-P18



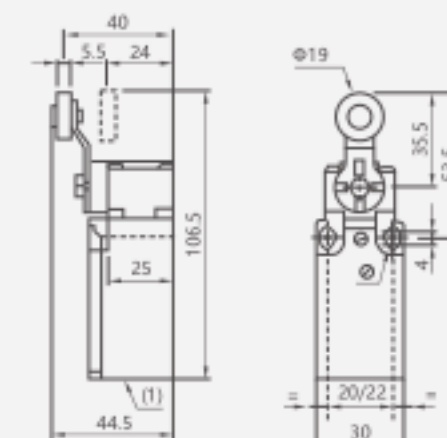
XCK-P145



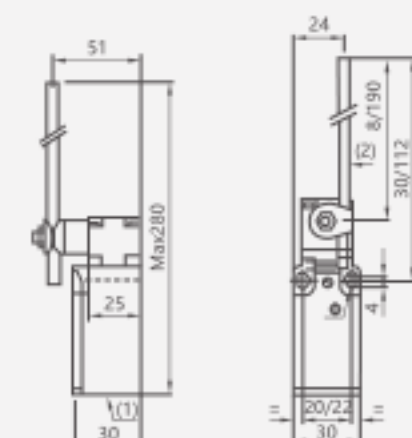
XCK-P139



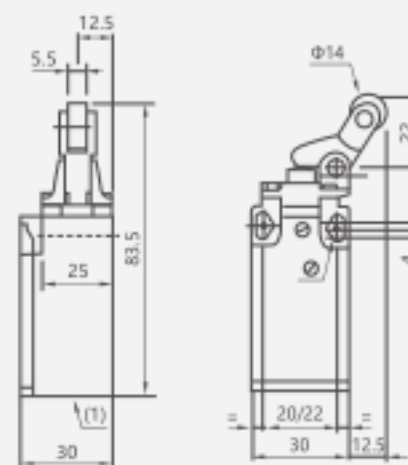
XCK-P118



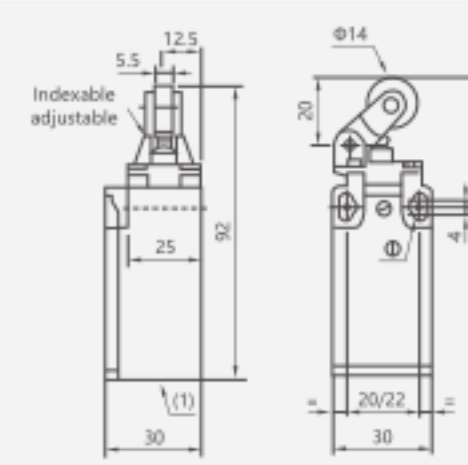
XCK-P155



XCK-P127

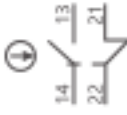


XCK-P128



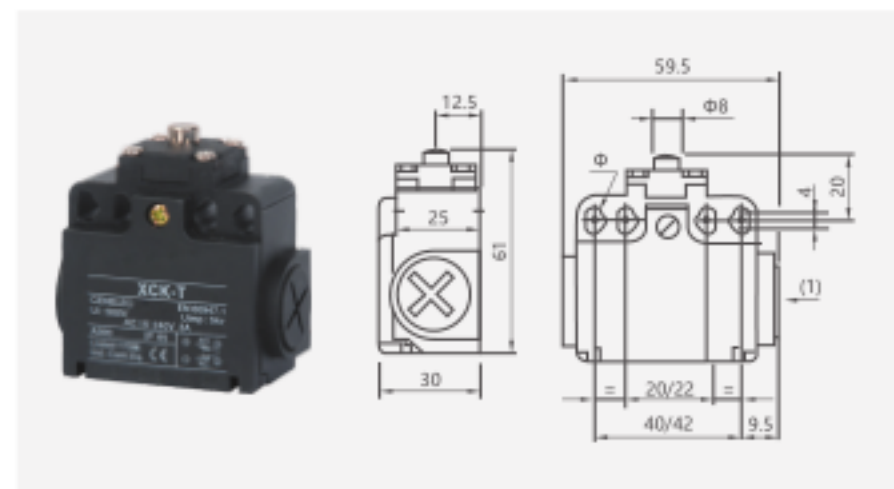
XCK-T Limit Switch

Characteristics / Application

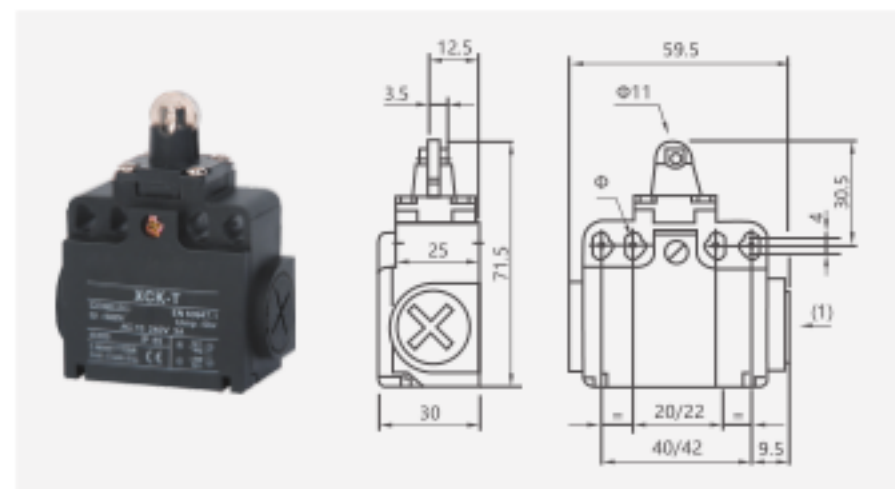
Item	TXCK-T mode double insulation, according to cenelec EN50047 oneline incoming mouth						
 2-pole contact terminal Quick	Metal head directacting type	Thermoplastic roller directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Cylindrical 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 characters	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

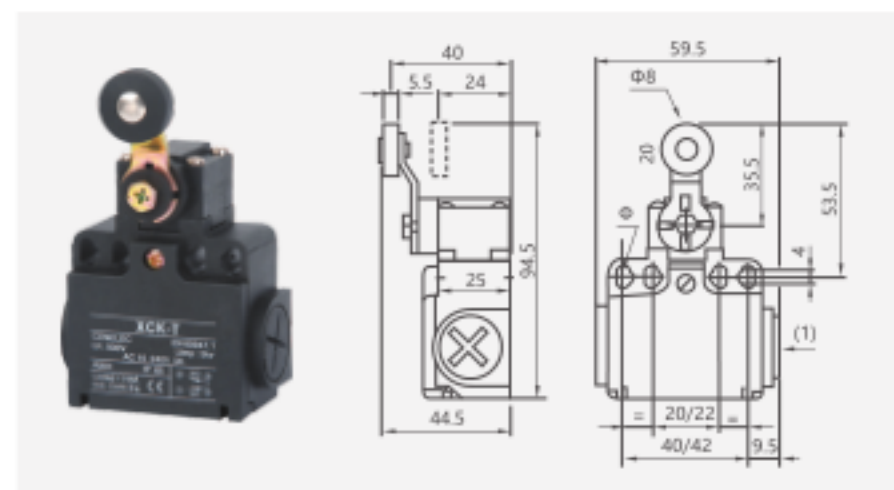
XCK-T110



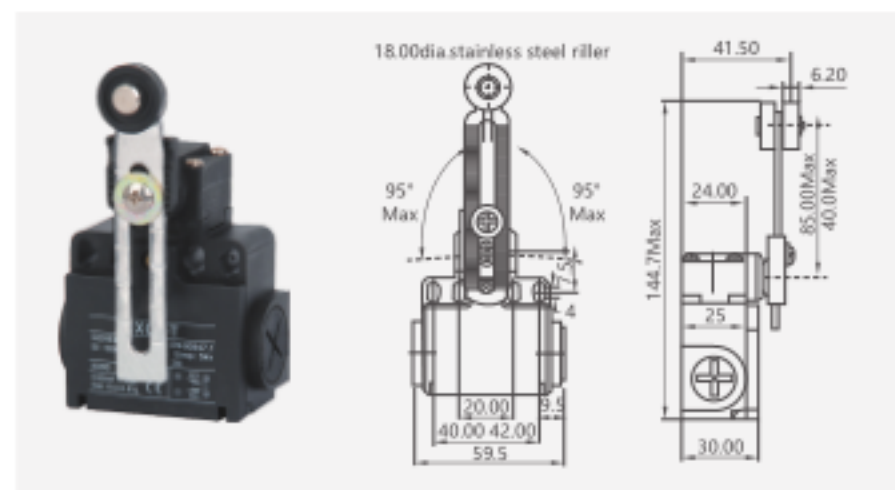
XCK-T102



XCK-T118

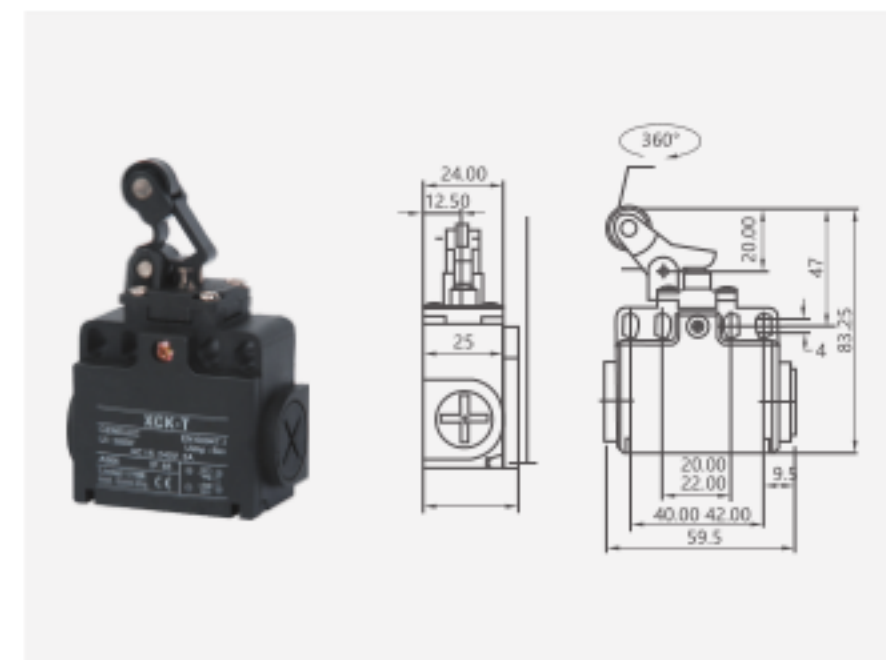


XCK-T145

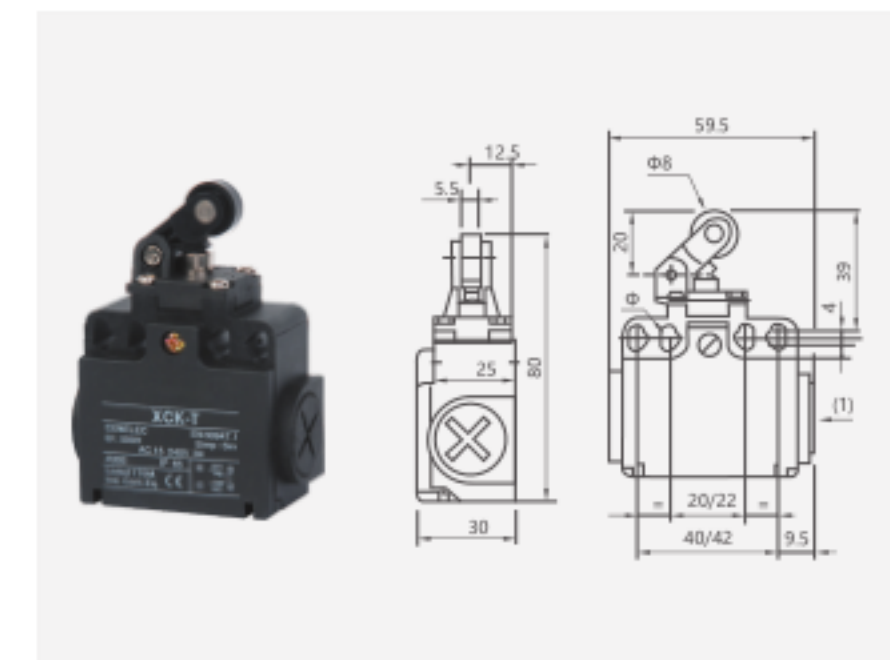


XCK-T Limit Switch

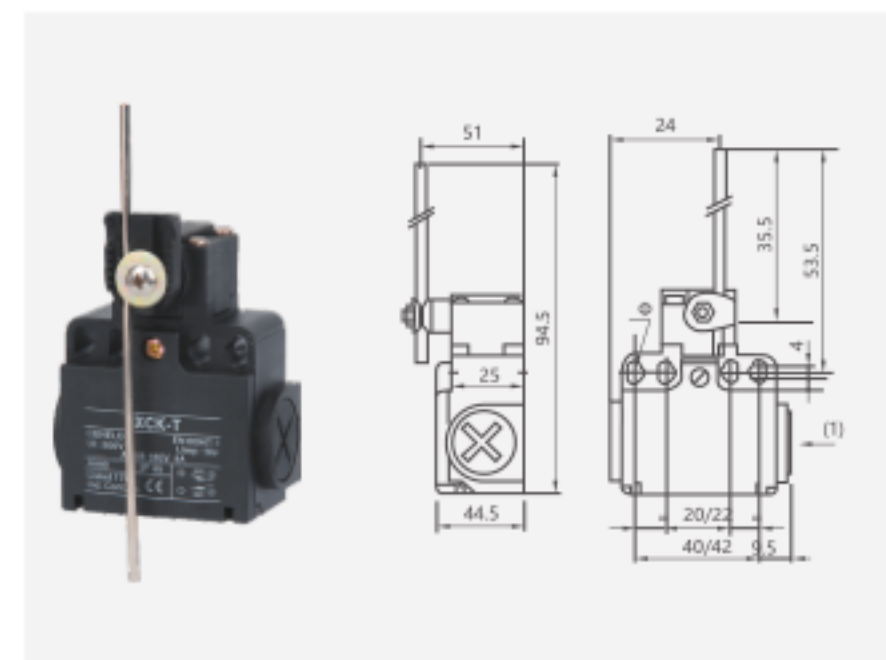
XCK-T127



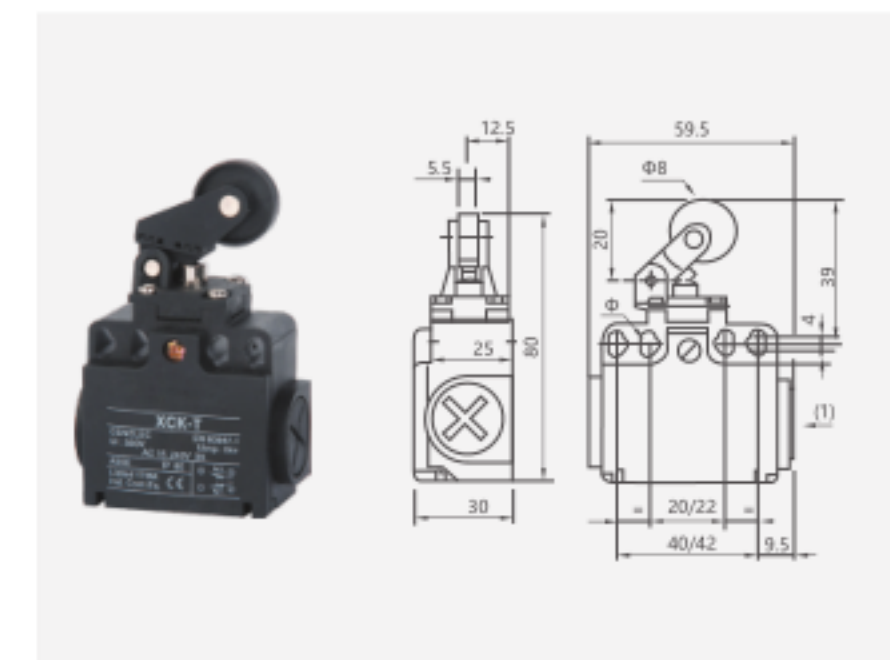
XCK-T121



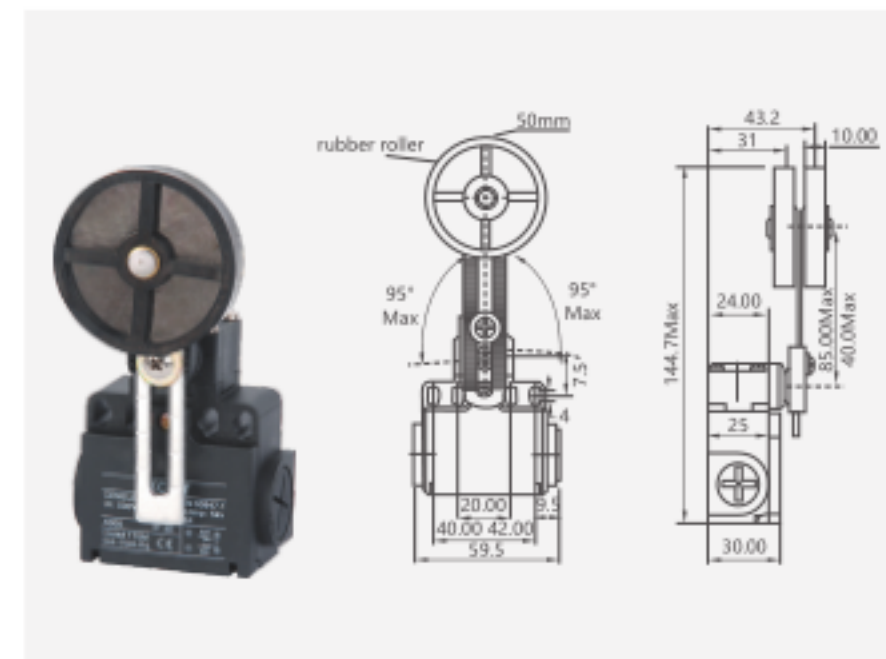
XCK-T155



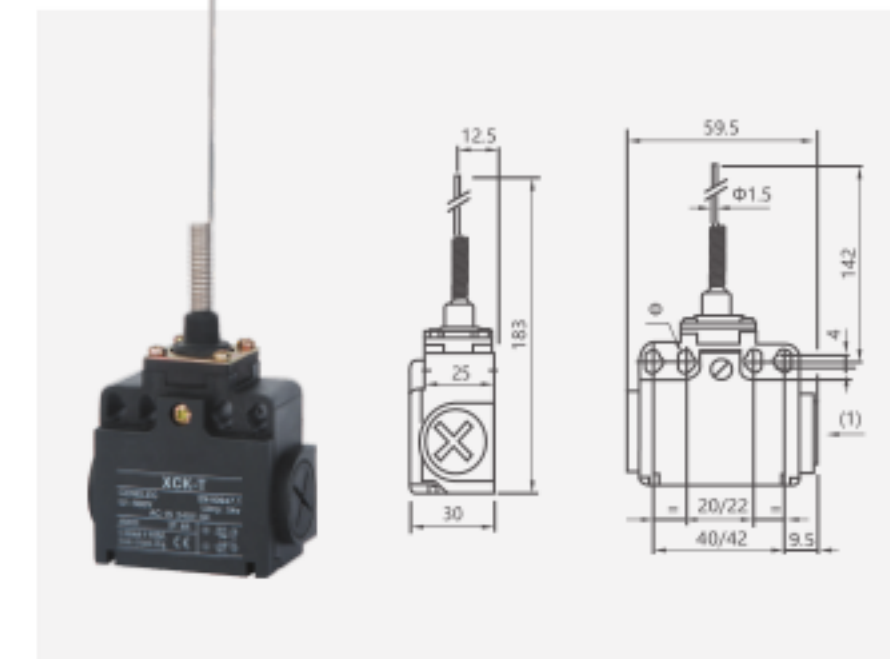
XCK-T128



XCK-T139

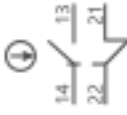


XCK-T106



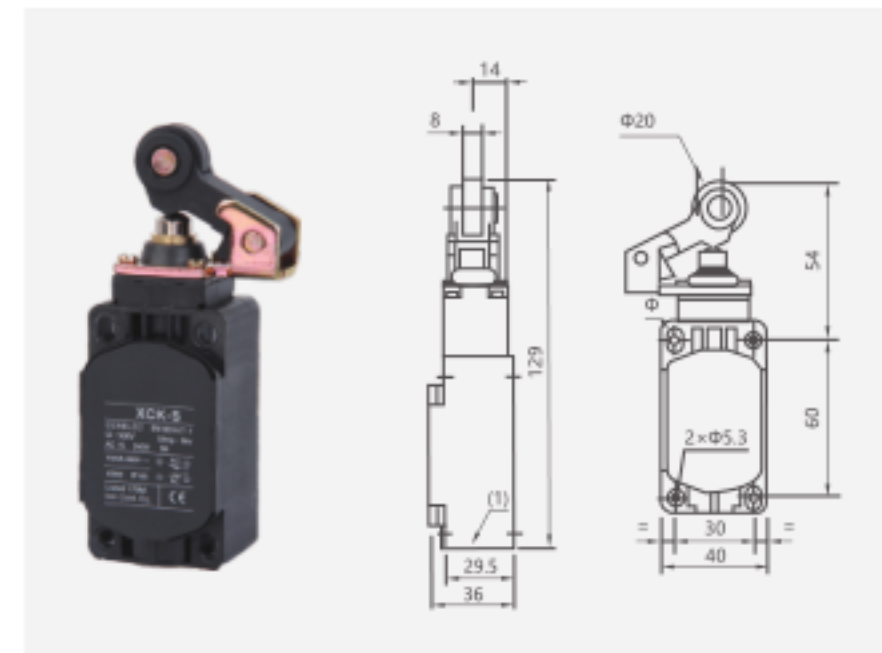
XCK-S Limit Switch

Characteristics / Application

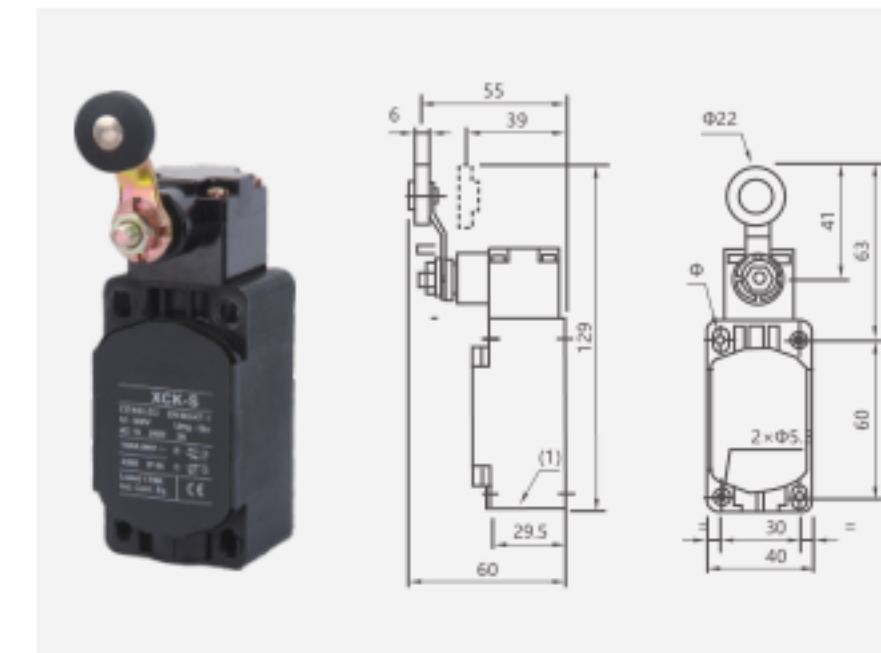
Item	TXCK-S mode double insulation, according to cenelec EN50041						
 2-pole contact terminal Quick	Multidirection type	Metal head directacting type	Steel-roller directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Adjustable length Rubber 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

XCK-S Limit Switch

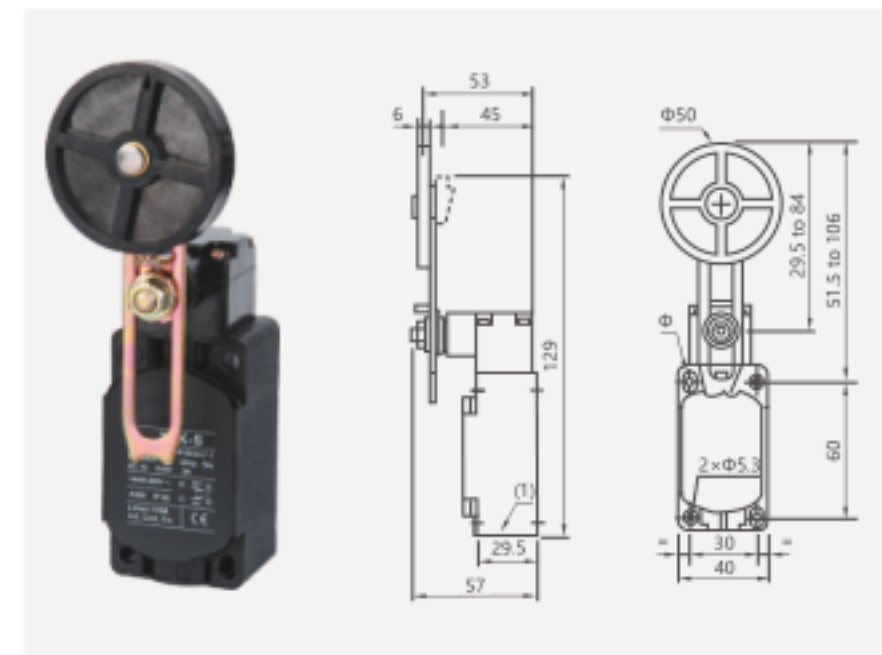
XCK-S121



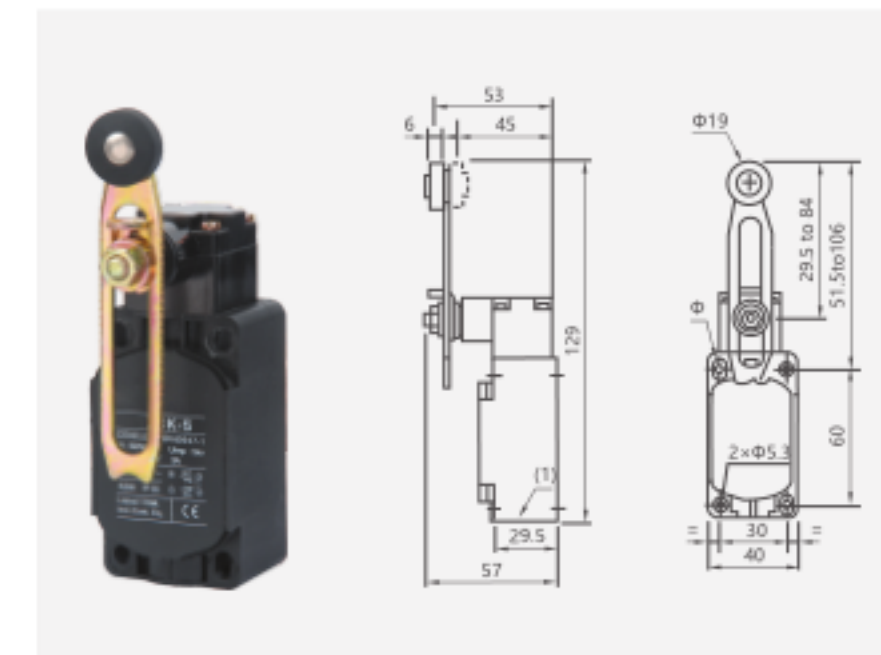
XCK-S131



XCK-S139

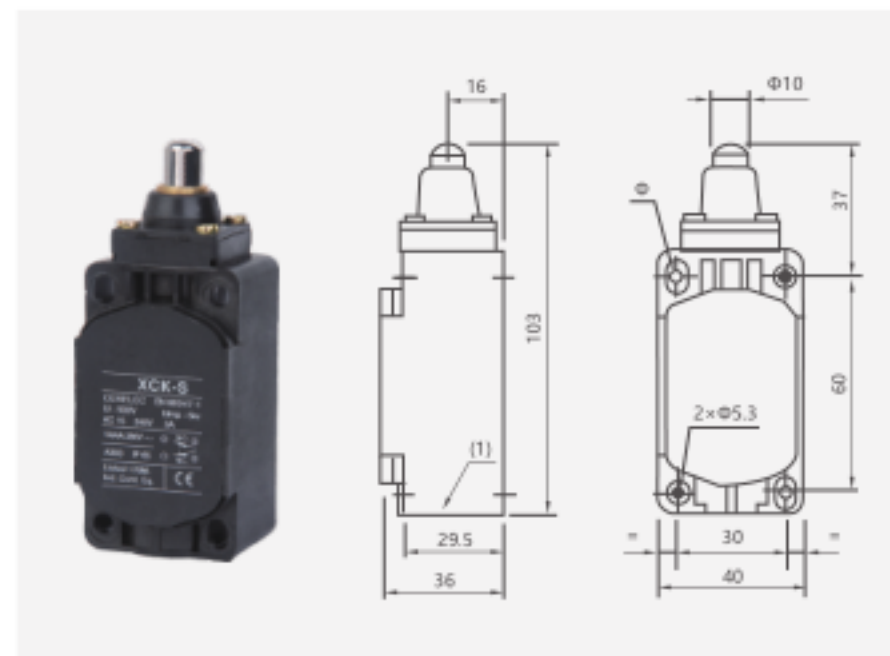


XCK-S141

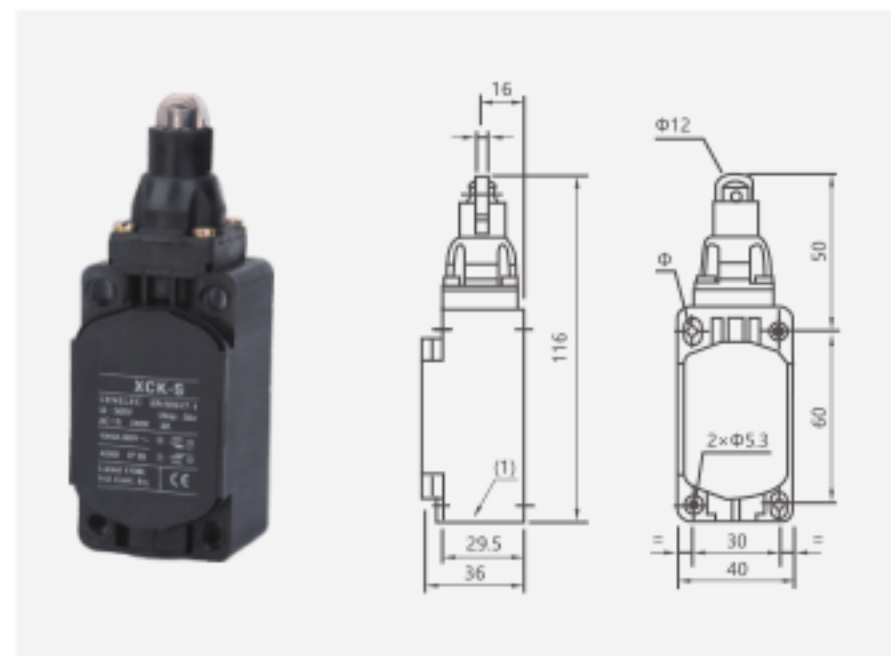


External appearance size

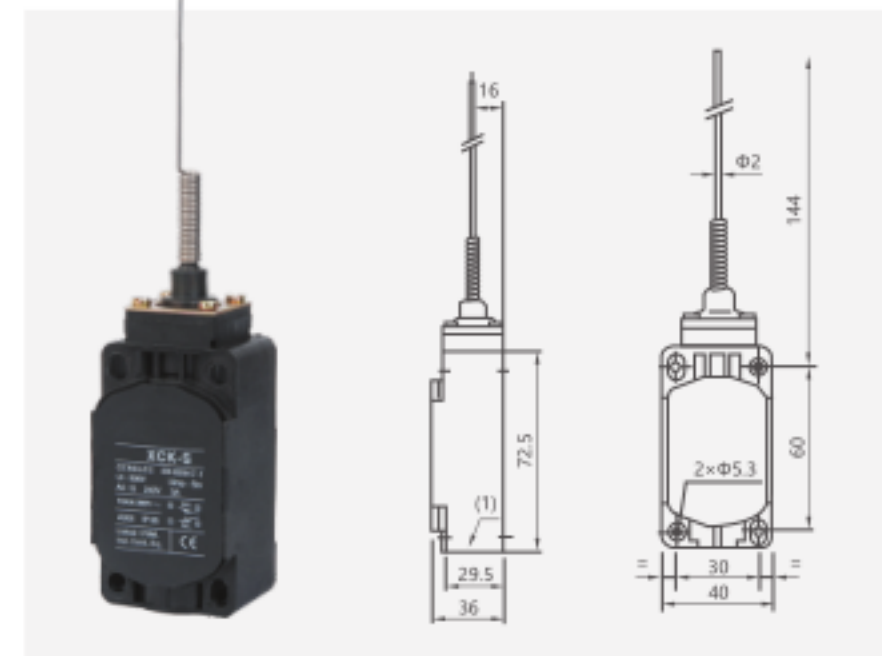
XCK-S101



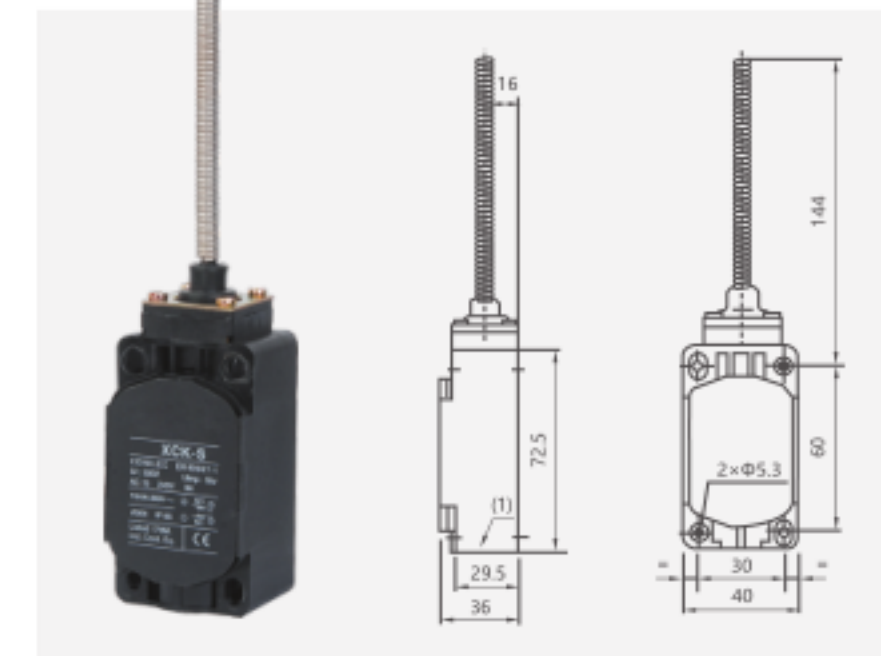
XCK-S102



XCK-S106



XCK-S108



ME Limit Switch

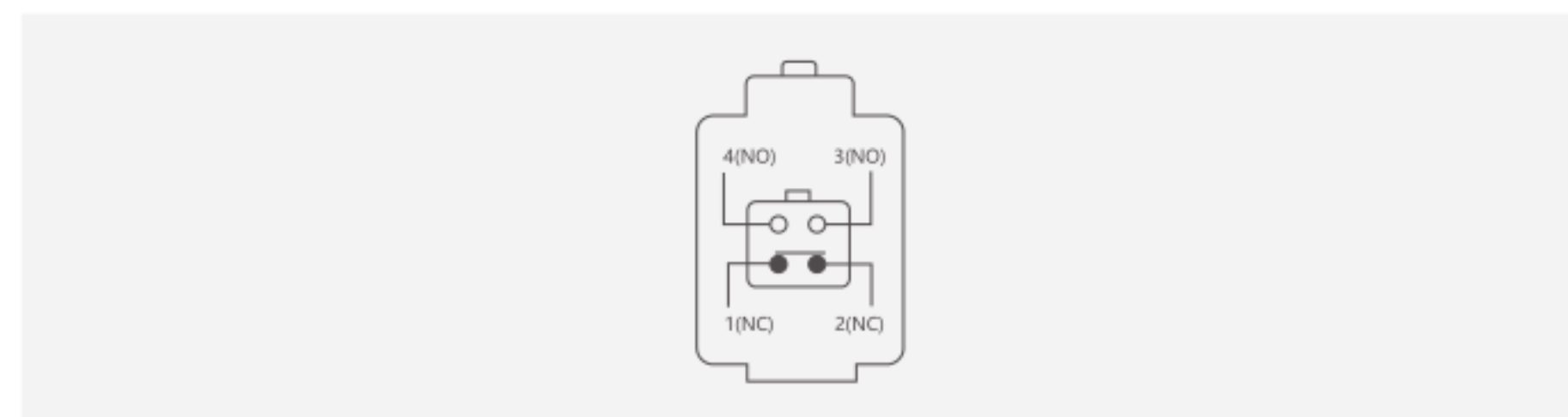
Characteristics / Application

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



ME Limit Switch

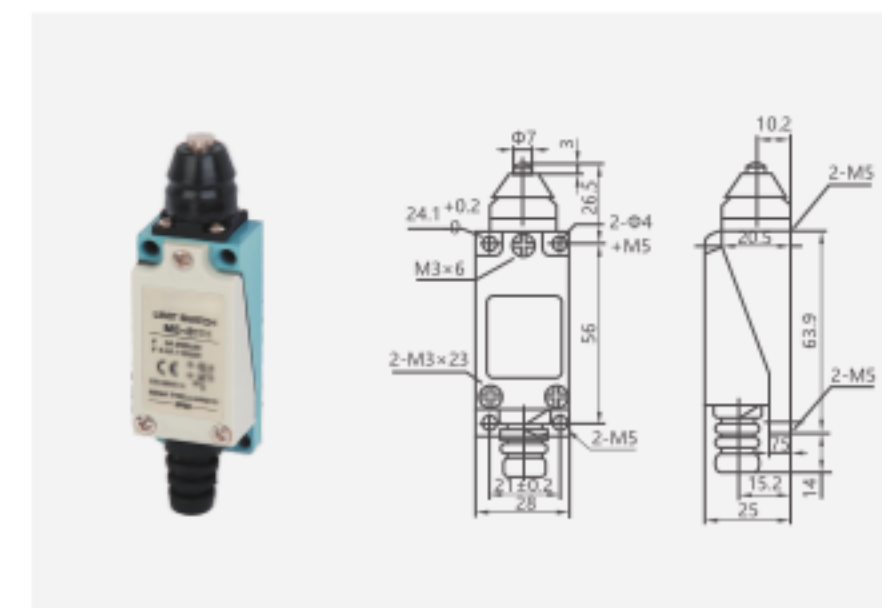
Operating characteristics

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

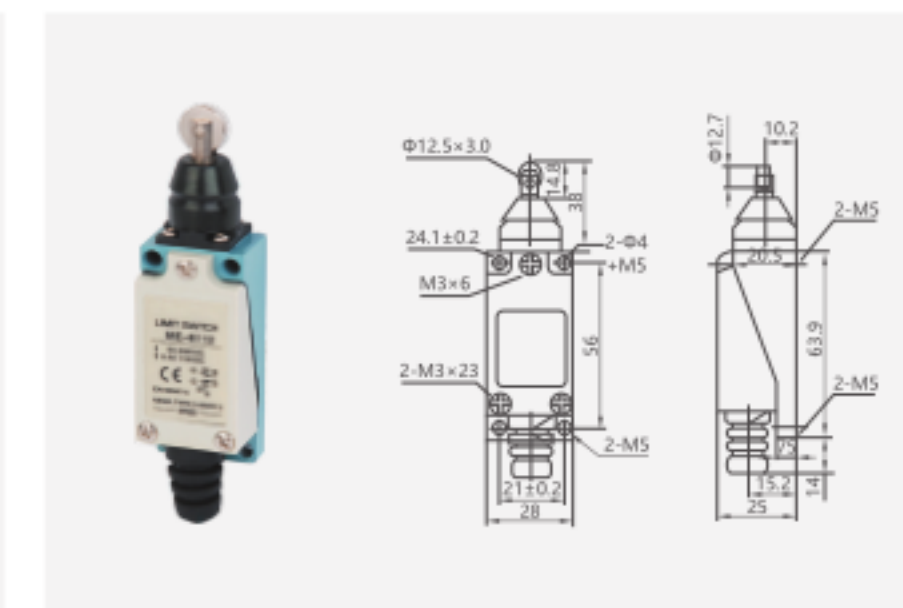
Operation speciality	Mode	ME-8111	ME-8112 ME-8122	ME-8166 ME-9101
OF (max)		900g	900g	150g
RF (min)		150g	150g	-
PT (max)		1.5mm°	1.5mm°	30mm
OT (min)		4mm	4mm	-
MD (max)		1mm	1mm	-
OP		26±0.8mm	37±0.8mm	-

External appearance size

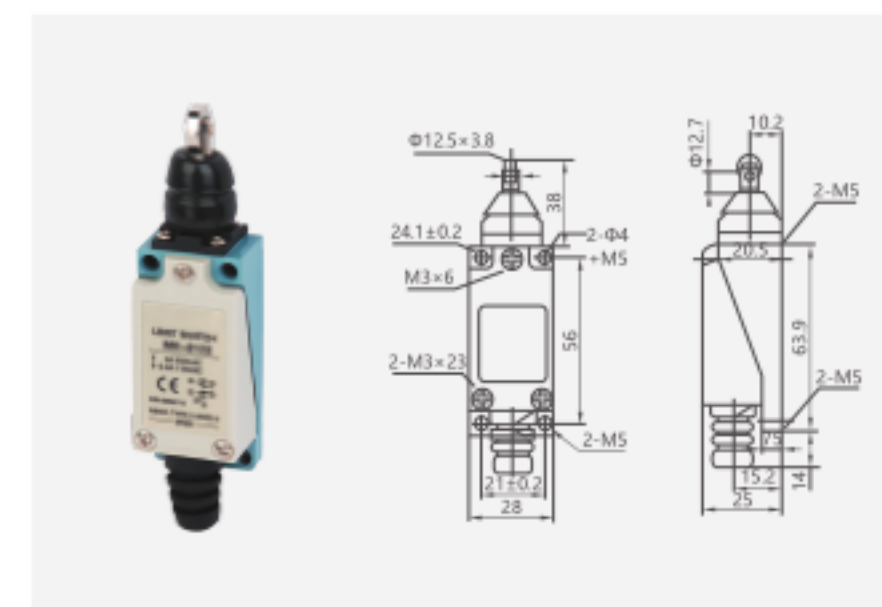
ME-8111



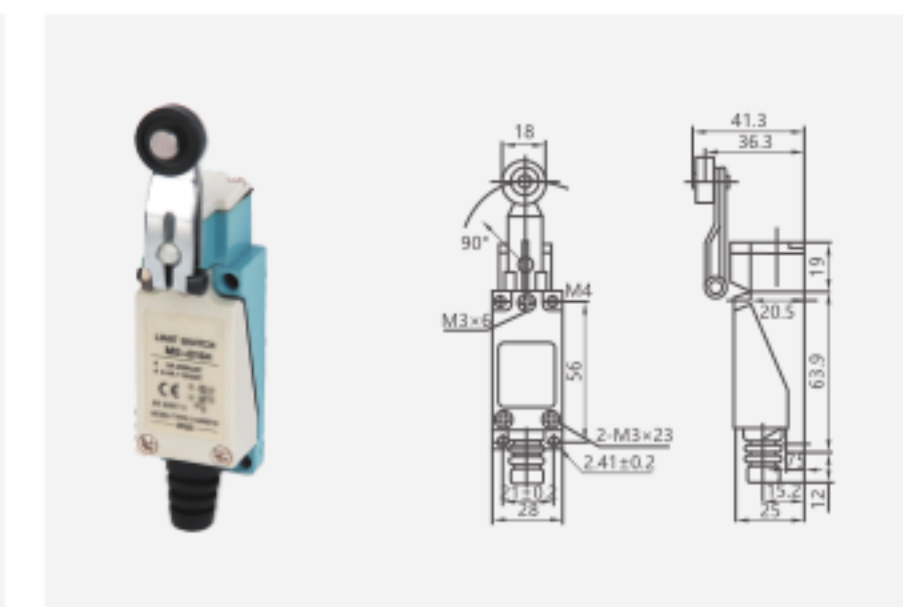
ME-8112



ME-8122

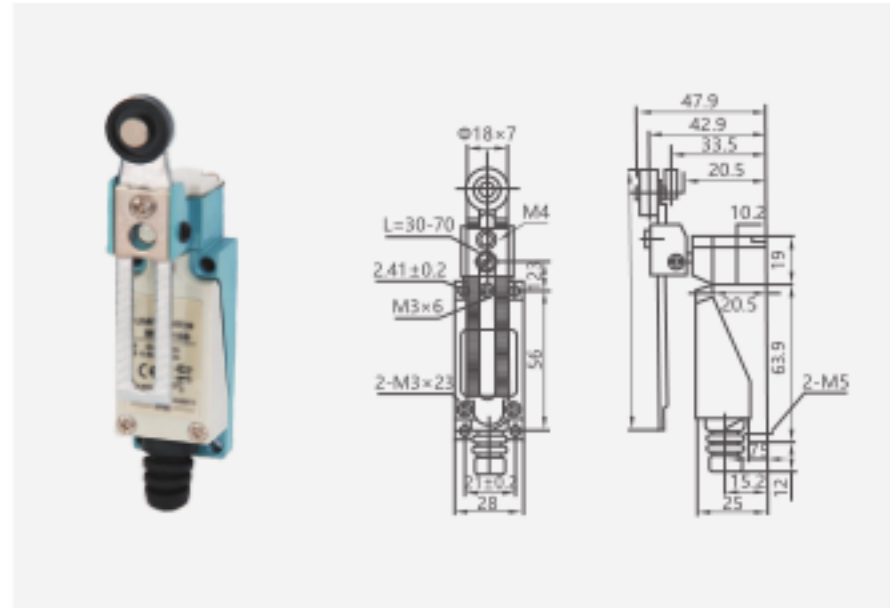


ME-8104

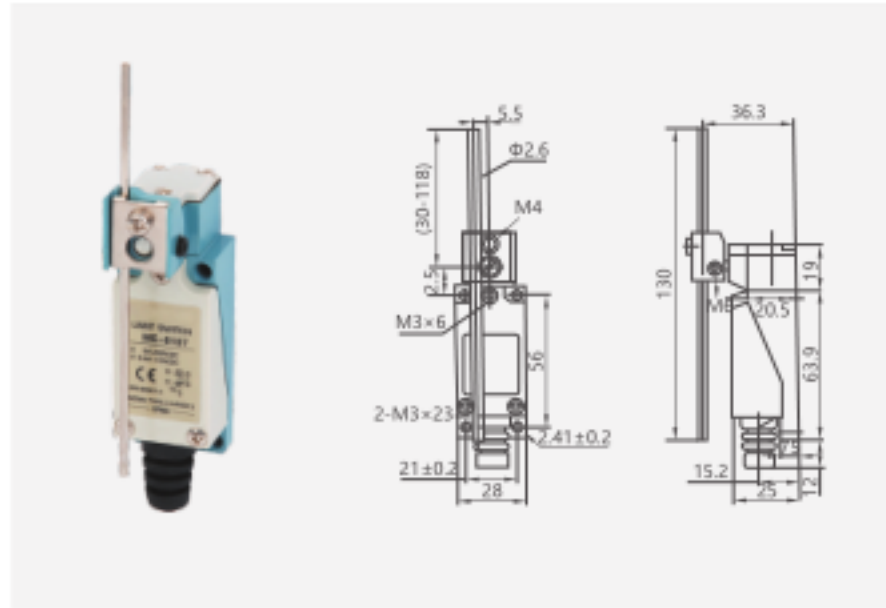


Industrial equipment and switches
ME Limit Switch

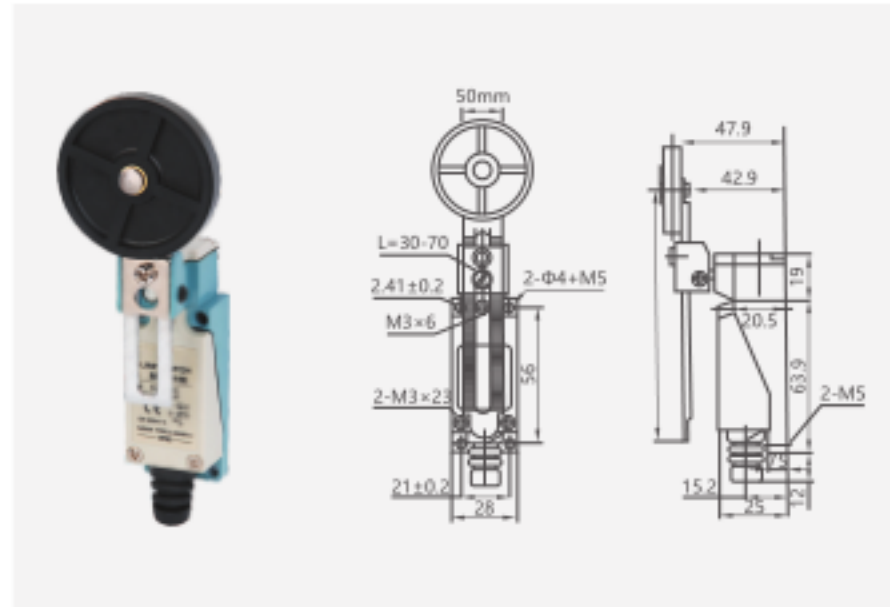
ME-8108



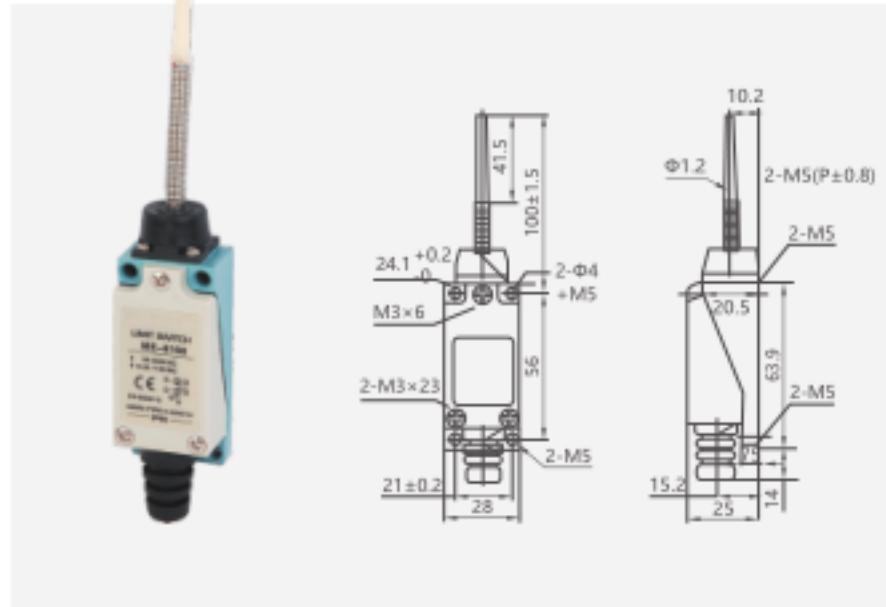
ME-8107



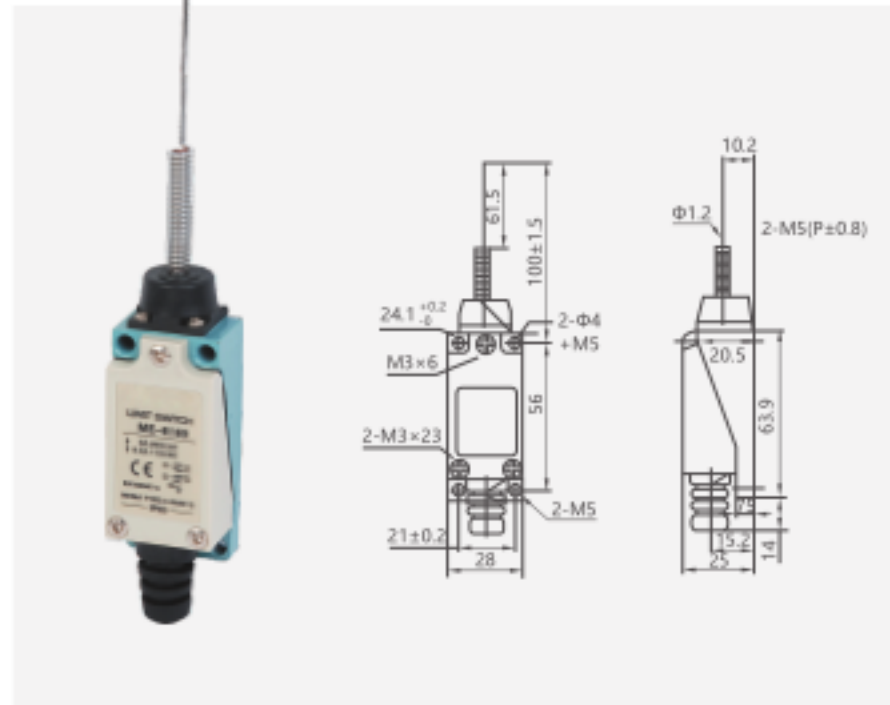
ME-8108-L



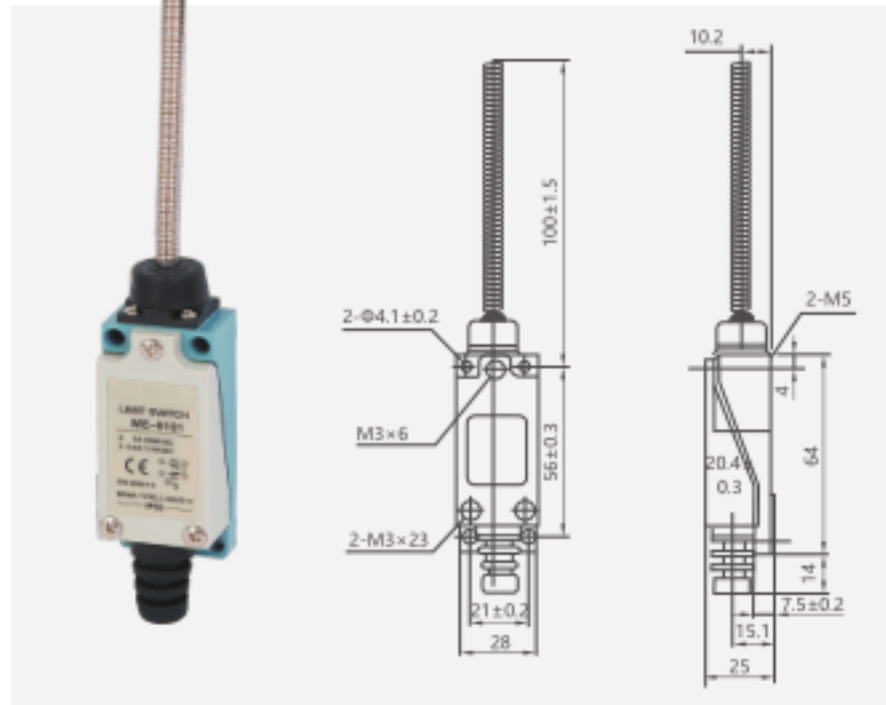
ME-8166



ME-8169



ME-9101

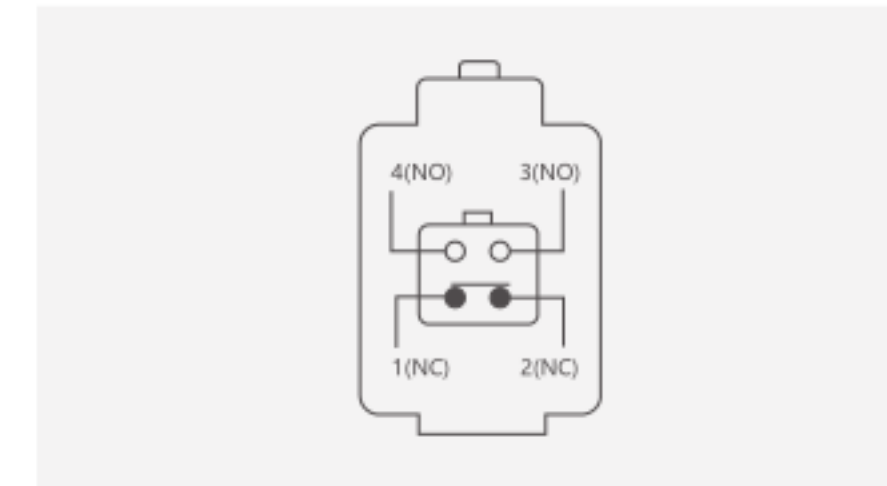


Industrial equipment and switches
MEA Limit Switch

Characteristics / Application

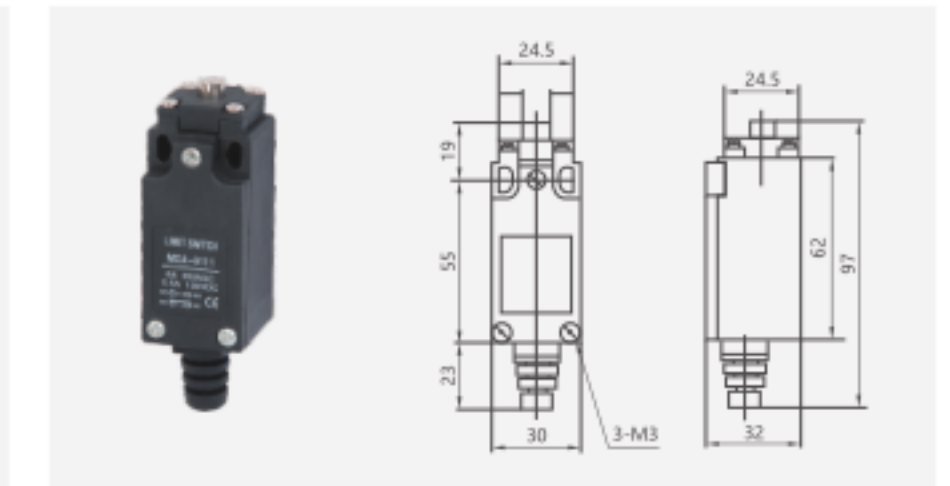
Item	Value	
Total plastic enclosure, light weight switch		
Wide choice of heads and actuators		
Captive cover screws		
Dustproof, oil-tight, water-resitant		
Double contacts	NO/NC contacts	
Protection degree	IP65	
Working range	6A 125 or 250VAC	
Insulation resistance	100M Ω max at 500VDC	
Max.operating 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 $^{\circ}$ C ~ +70 $^{\circ}$ C	

Contact form

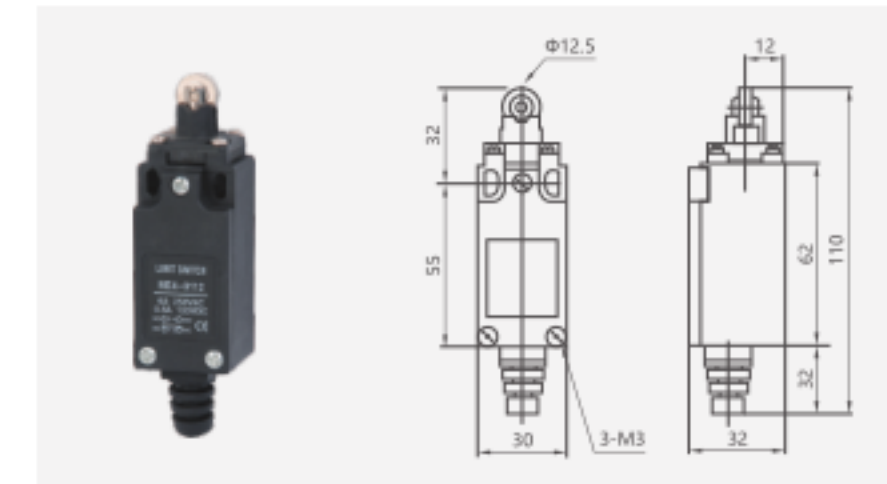


External appearance size

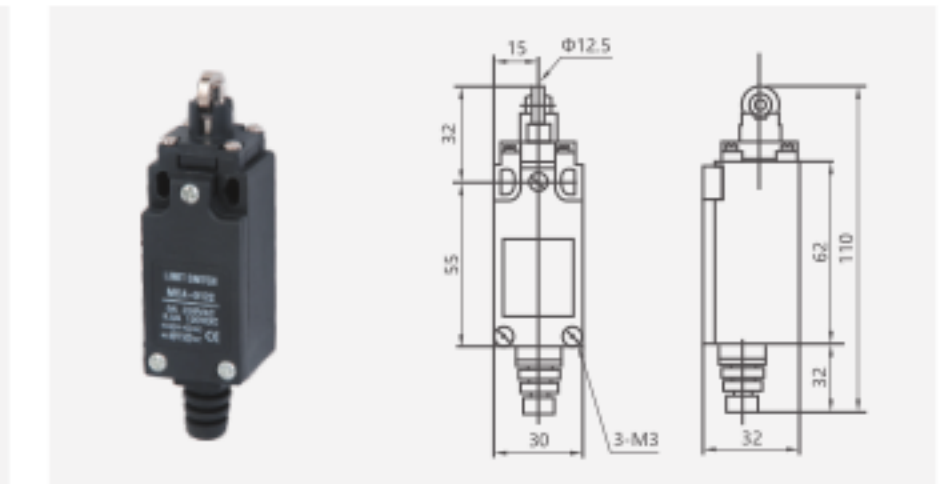
MEA-9111



MEA-9112

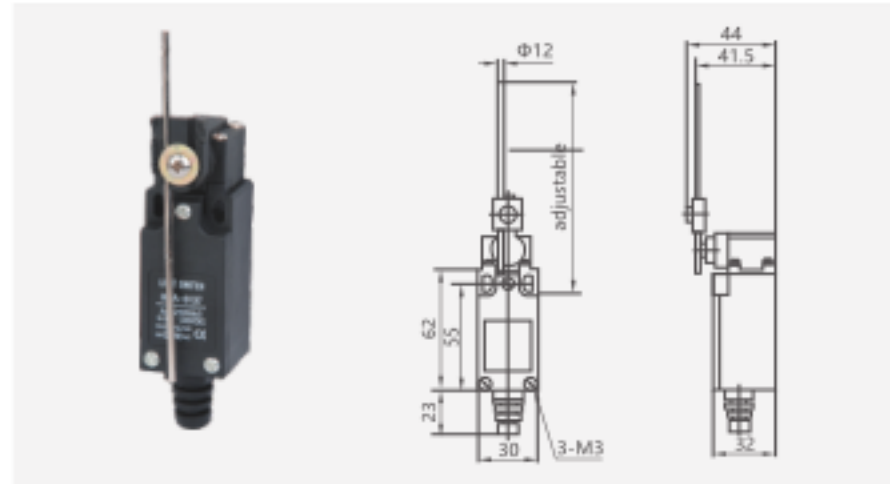


MEA-9122

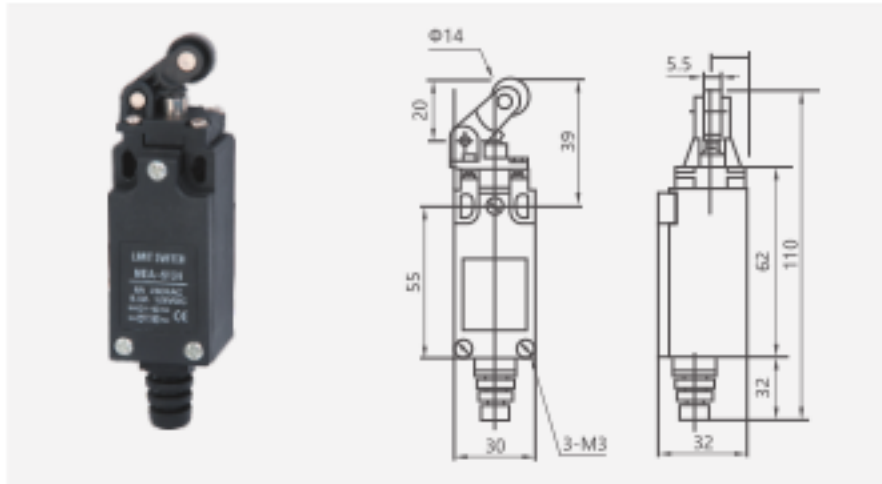


Industrial equipment and switches
MEA Limit Switch

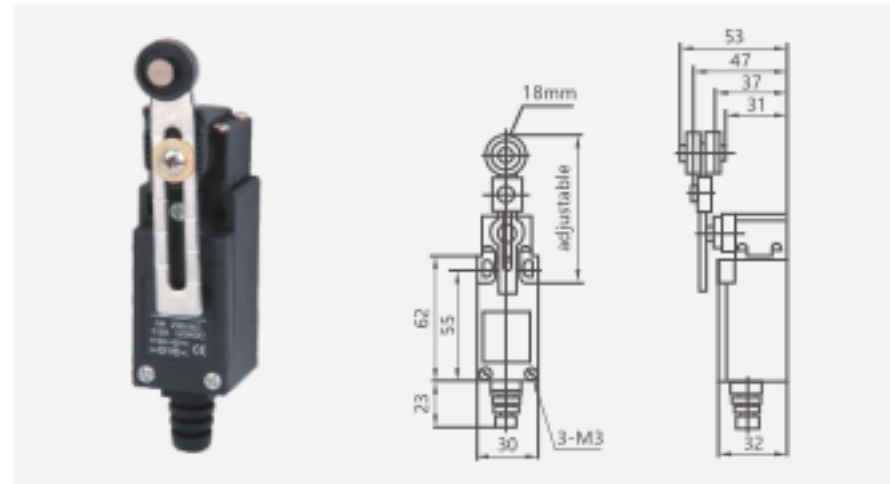
MEA-9107



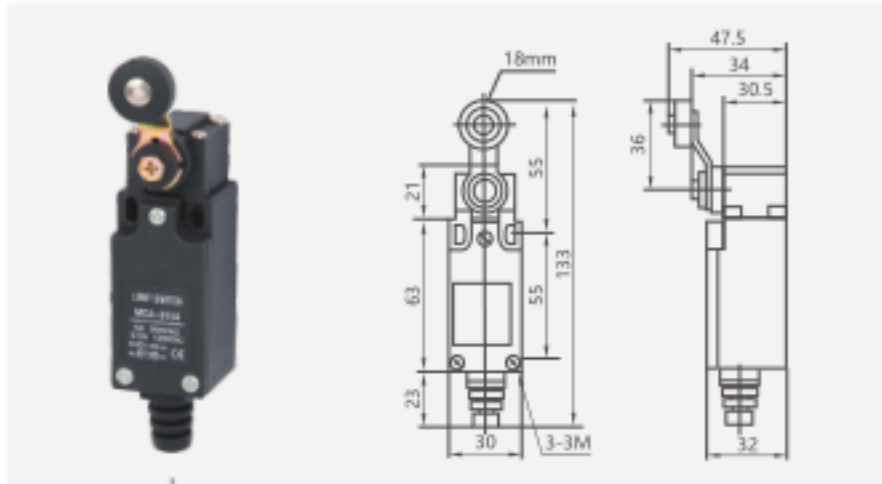
MEA-9124



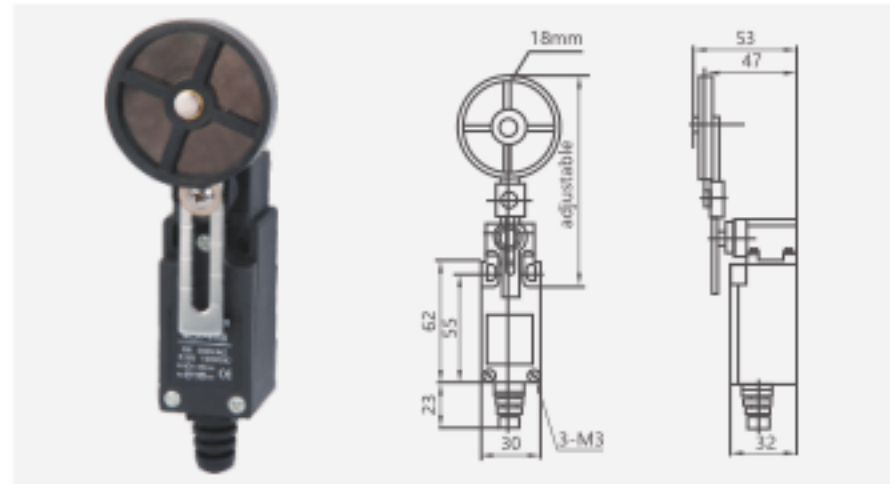
MEA-8108



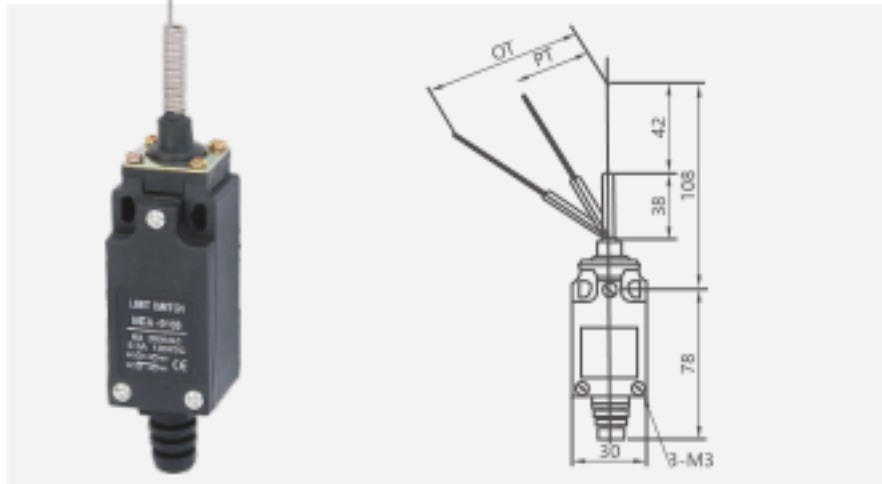
MEA-9104



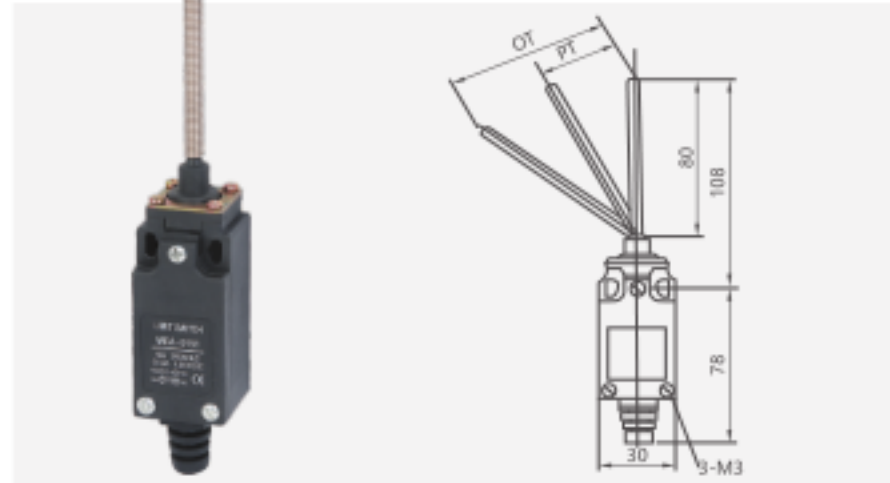
MEA-9108-L



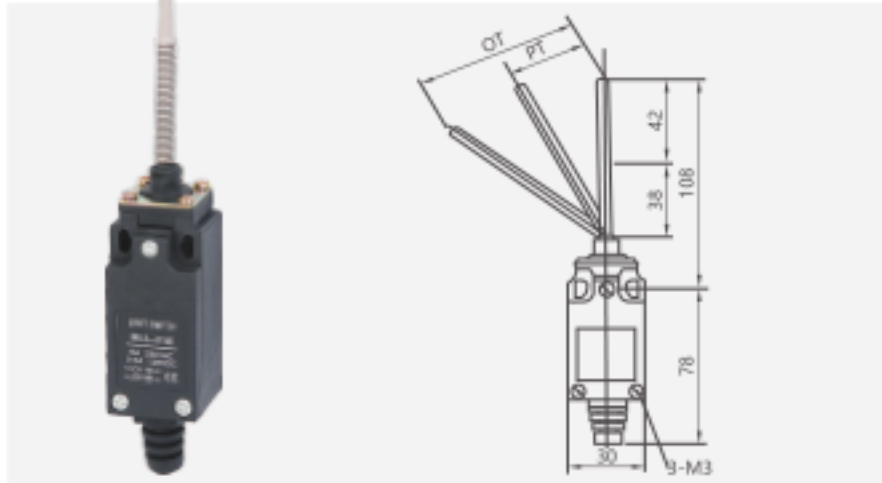
MEA-9169



MEA-9161



MEA-9166

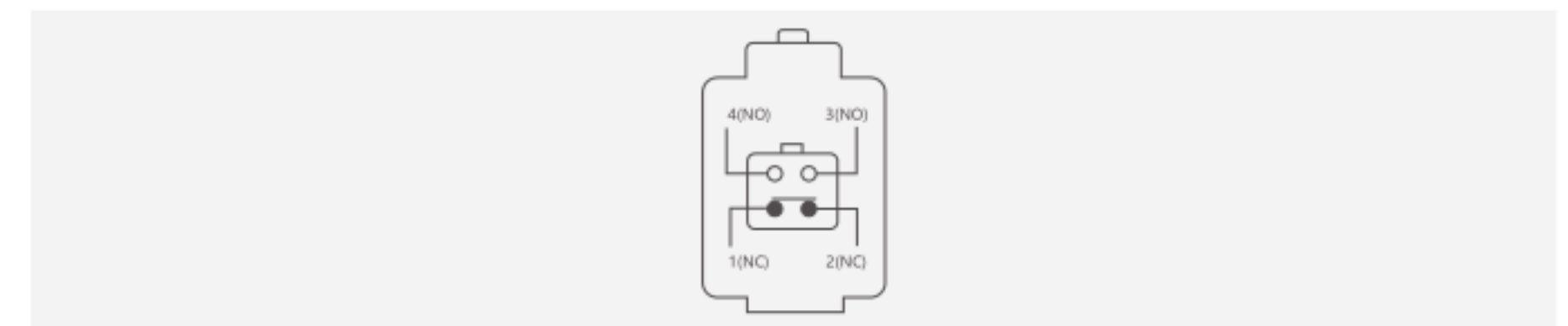


Industrial equipment and switches
HL Limit Switch

Characteristics / Application

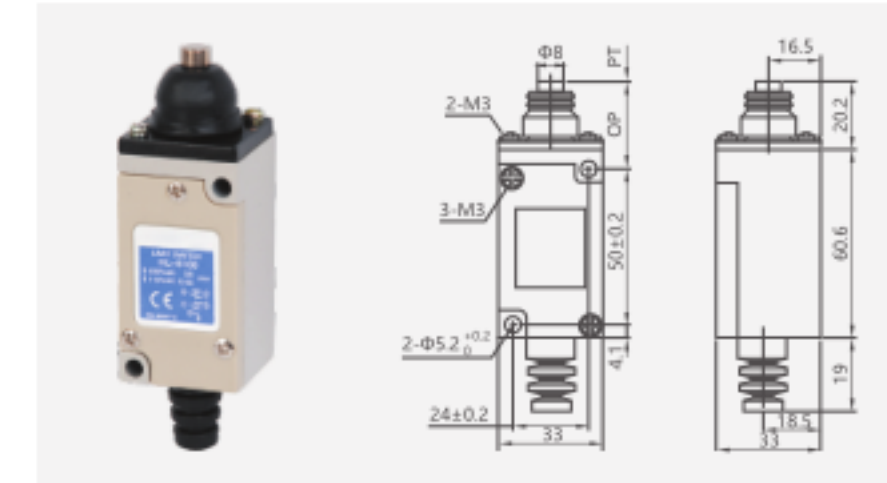
Operation speciality	Mode	HL-5000	HL-5030	HL-5050	HL-5100	HL-5200	HL-5300
OF (max)		750g	750g	750g	900g	900g	150g
RF (min)		100g	100g	100g	150g	150g	-
PT (max)		20°	20°	20°	1.5mm*	1.5mm*	3mm
OT (min)		50°	50°	50°	4mm	4mm	-
MD (max)		12°	12°	12°	1mm	1mm	-
OP		-	-	-	30±0.8mm	30±0.8mm	-
Protection degree					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

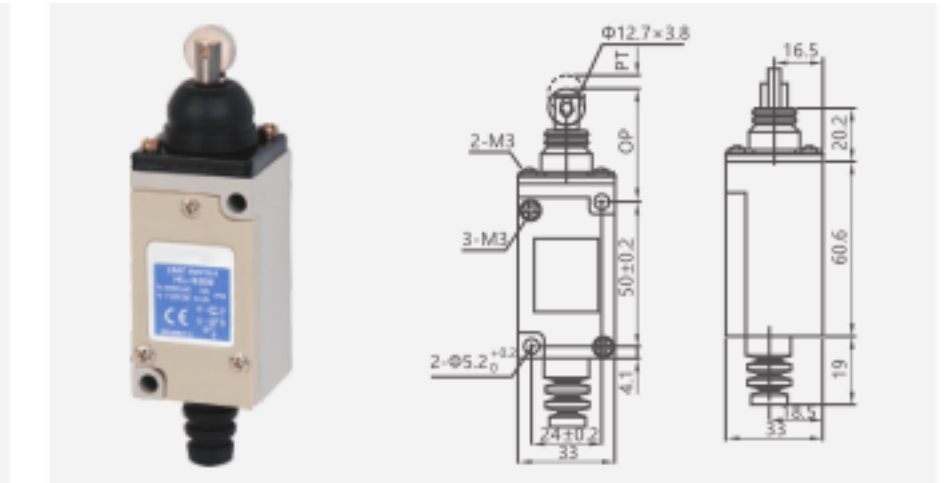


External appearance size

HL-5100

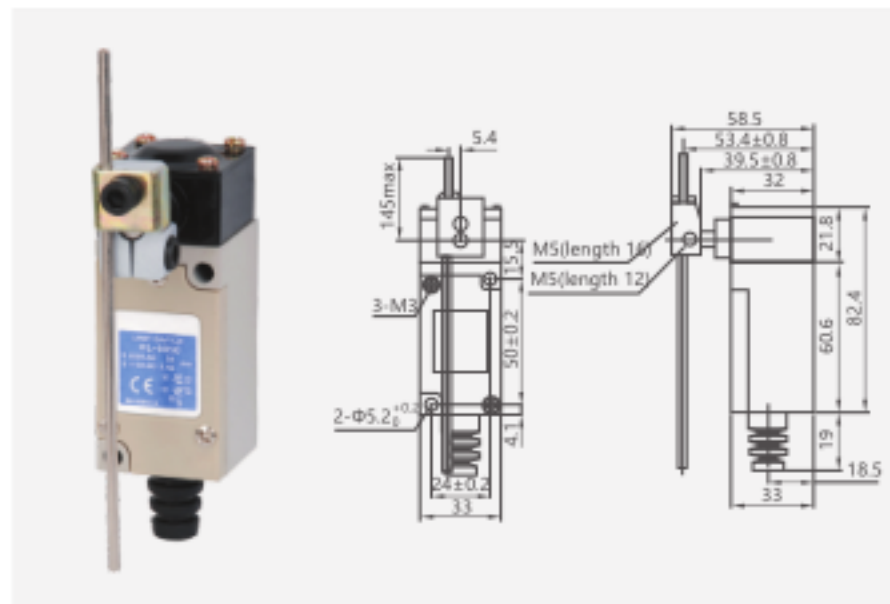


HL-5200

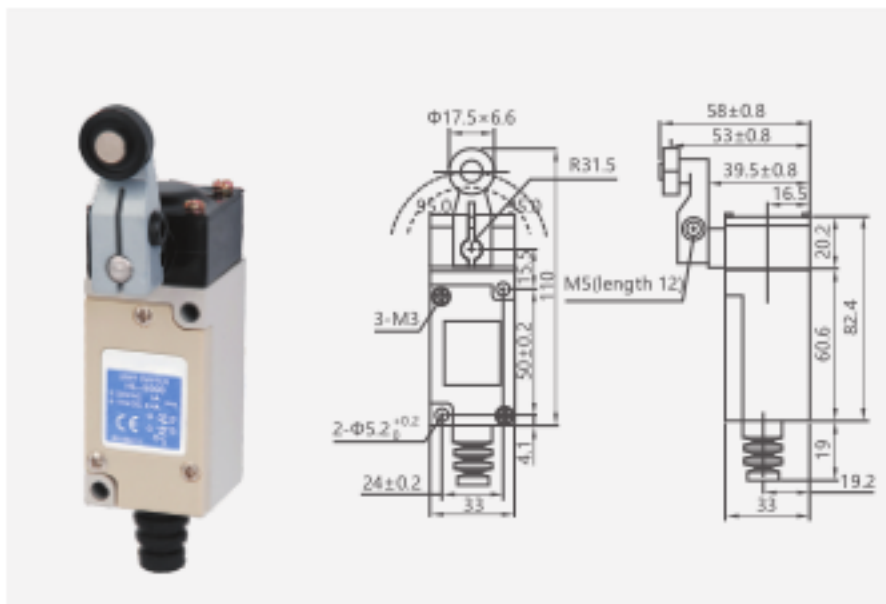


HL Limit Switch

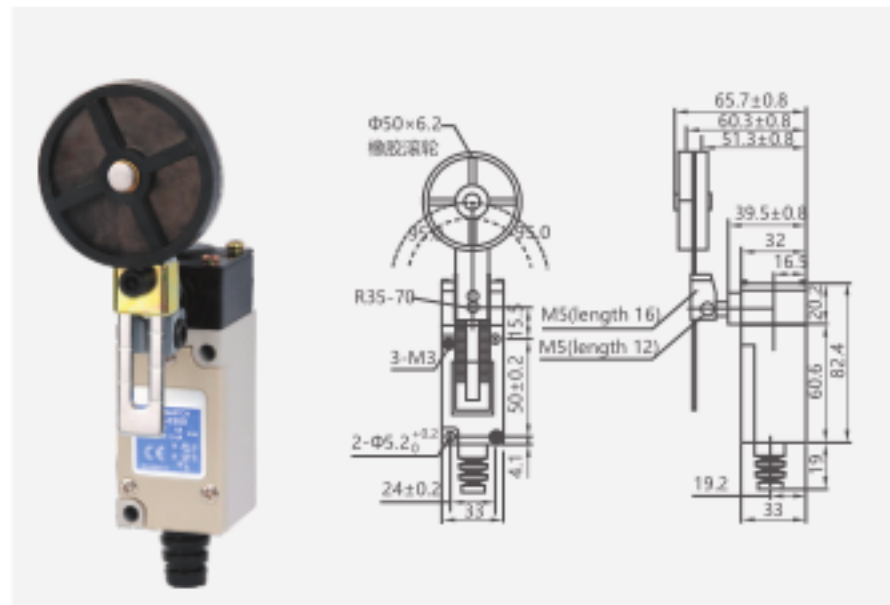
HL-5050



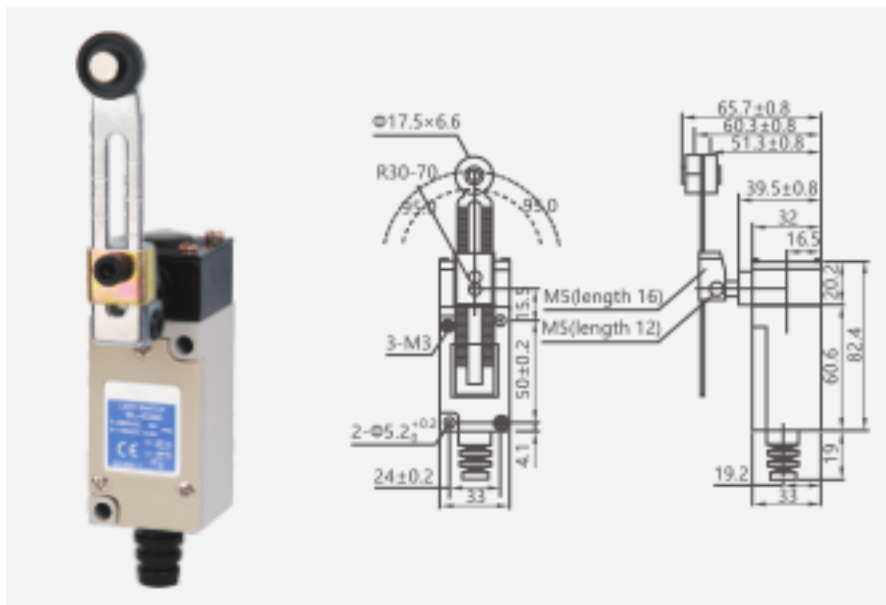
HL-5000



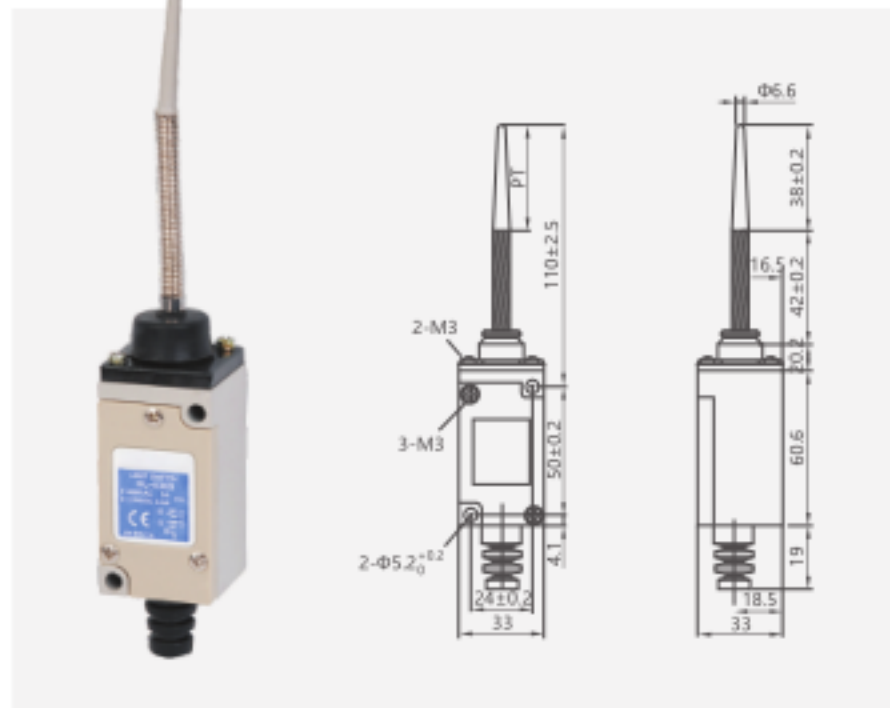
HL-5030-L



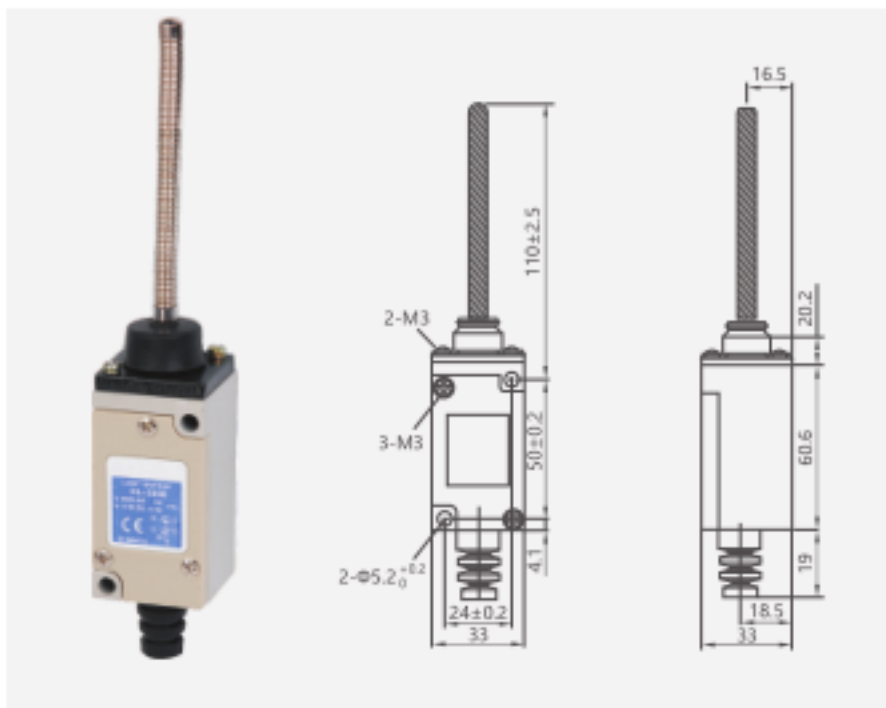
HL-5030



HL-5300



HL-5301



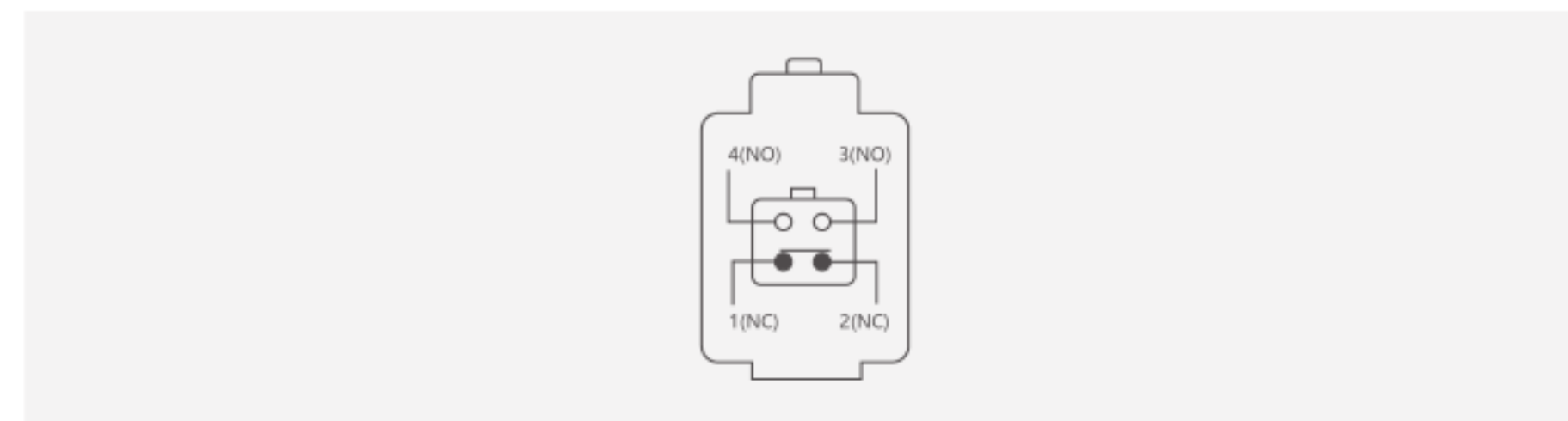
WL Limit Switch

Characteristics / Application

Item		Value
Protection degree		IP67
Life	Mechanical	Ten million times
	Electrical	Five hundred thousand times
Operation speed		1mm-1m/s
Operation frequency	Mechanical	120 times/m
	Electrical	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°C
Humidity		< 95%

1. Double-circuit limit switch, is widely used
2. Firm aluminum alloy enclosure
3. High mechanical 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

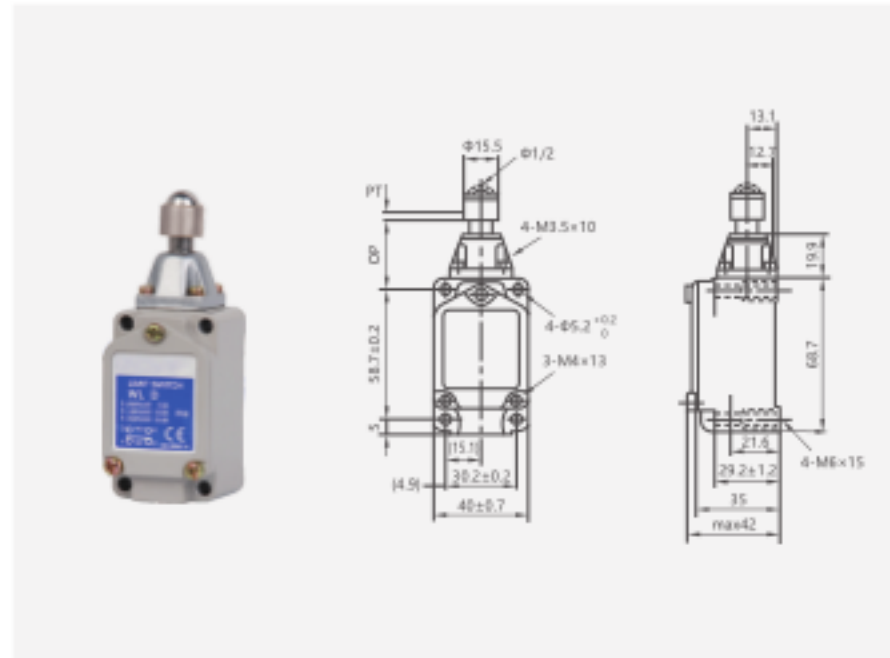
Contact form



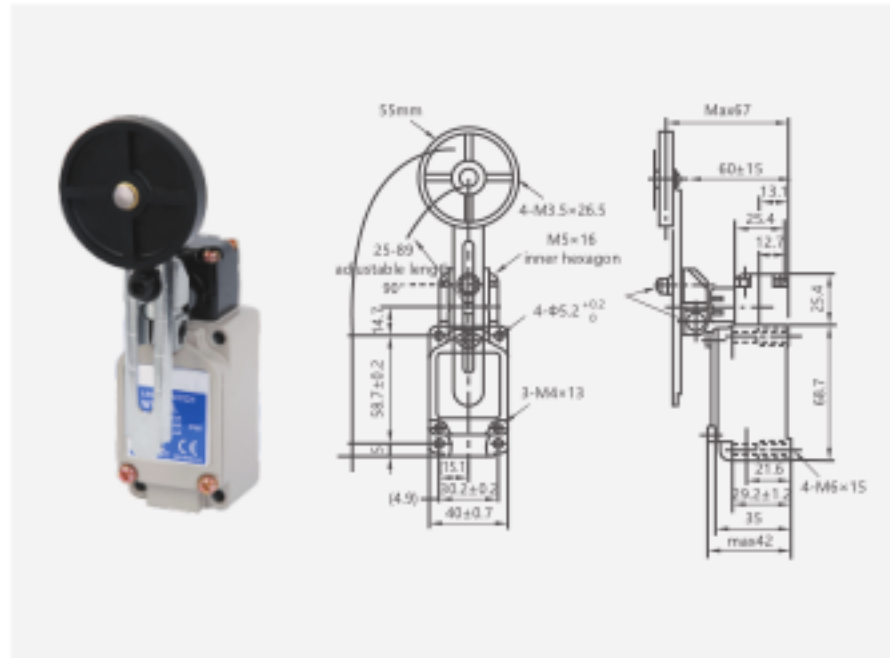
Industrial equipment and switches
WL Limit Switch

External appearance size

WL D3

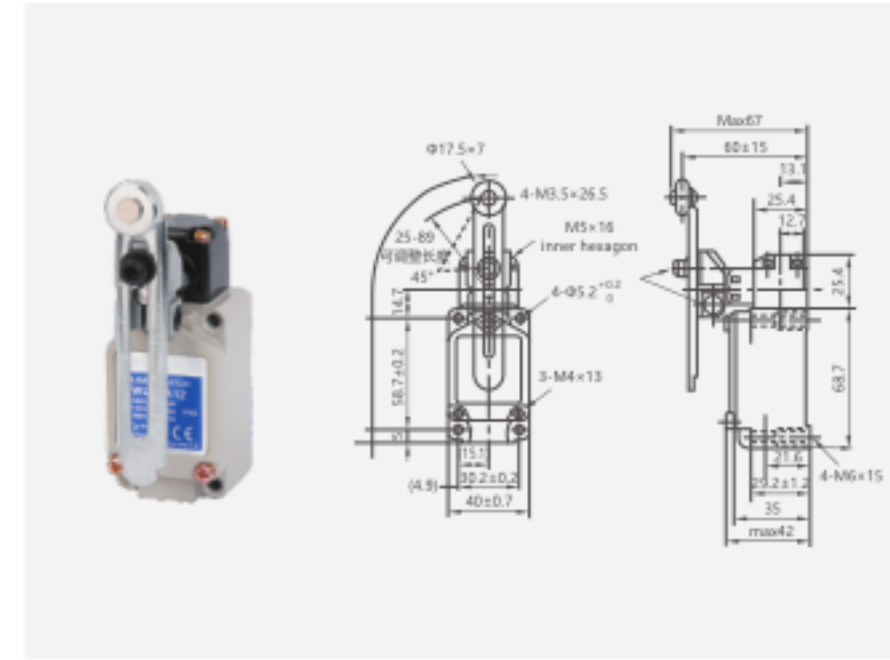


WL CA12-L

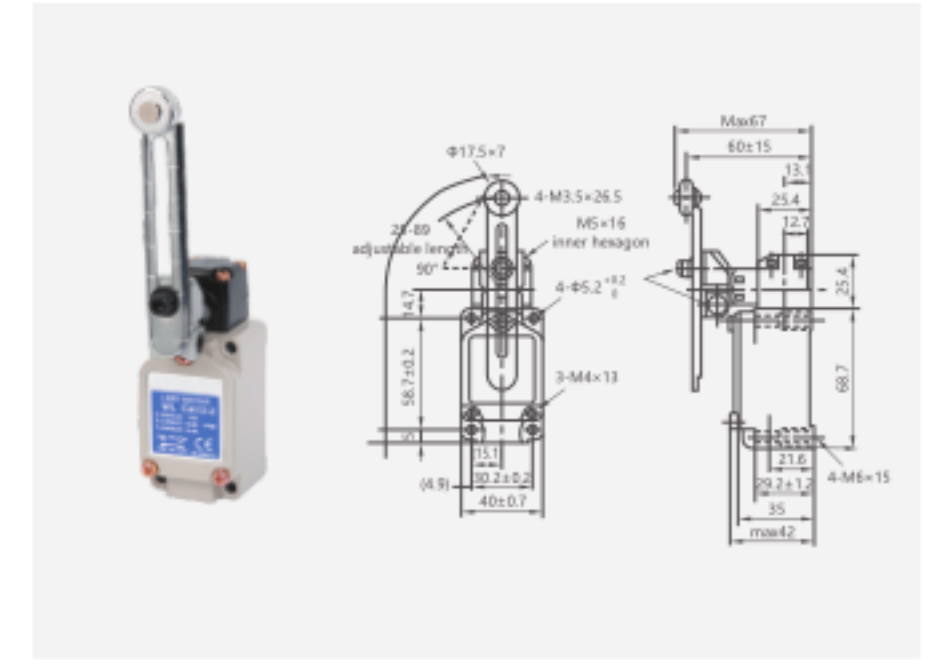


Industrial equipment and switches
WL Limit Switch

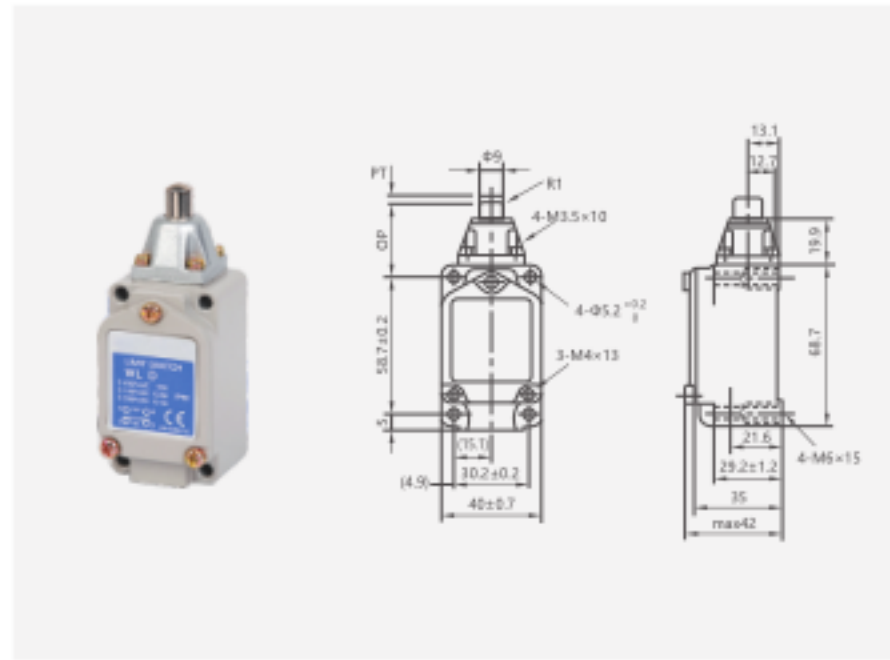
WL CA12



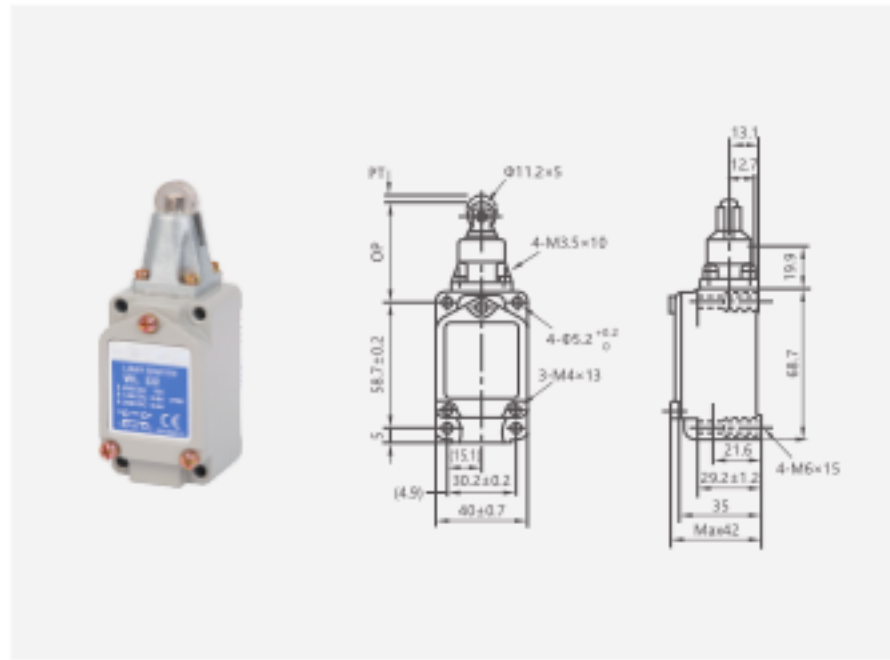
WL CA12-2



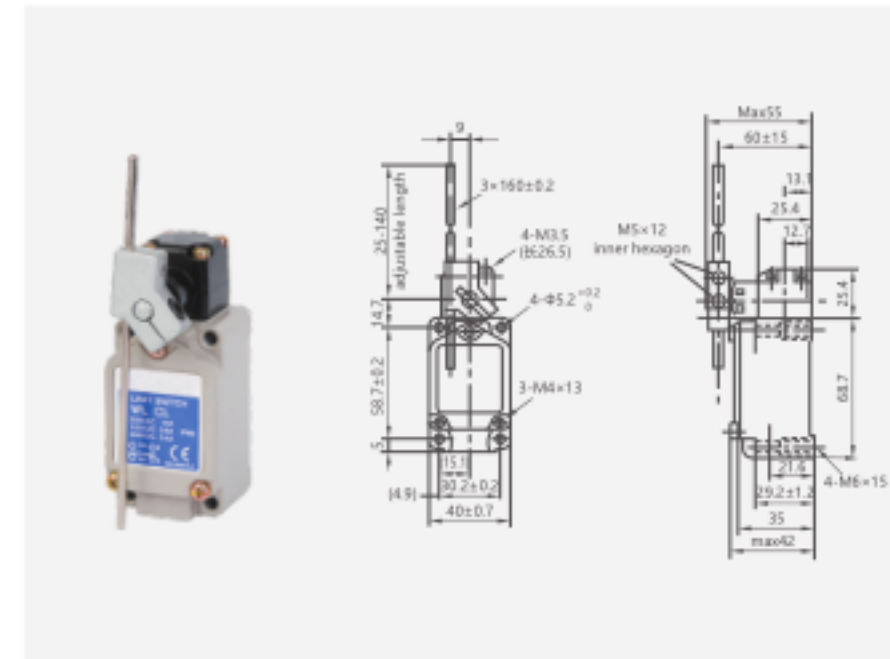
WL D



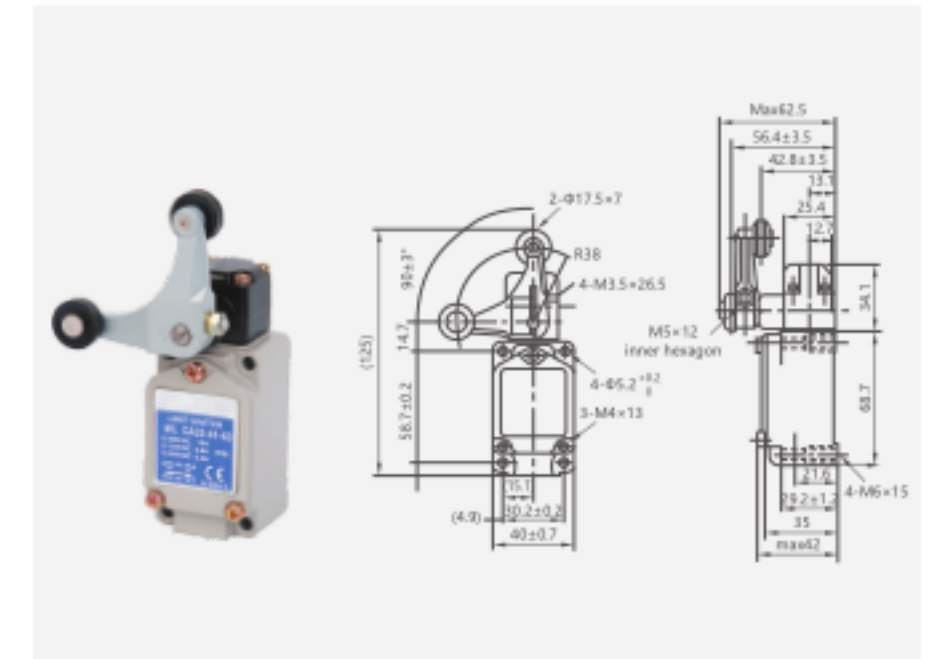
WL D2



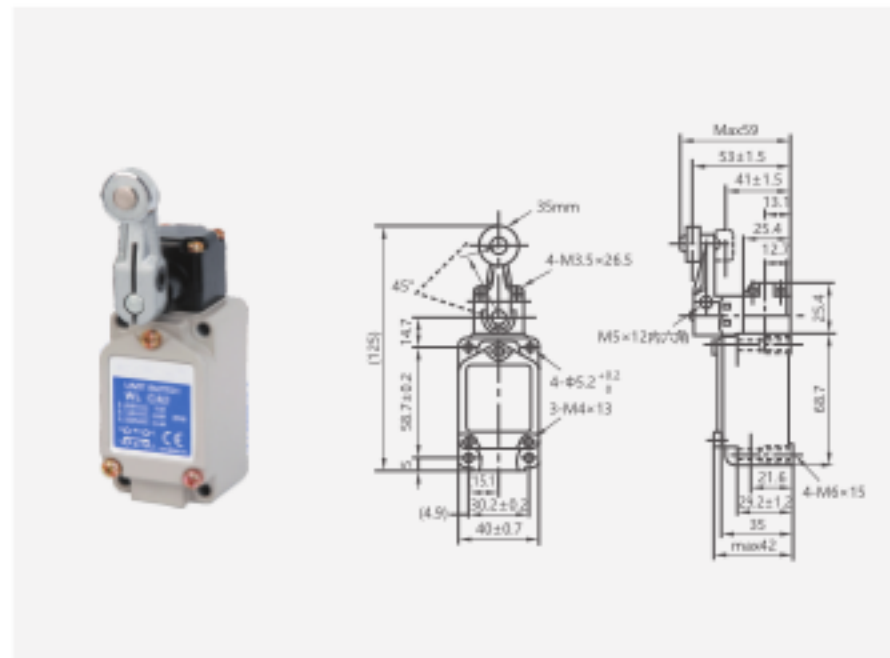
WL CL



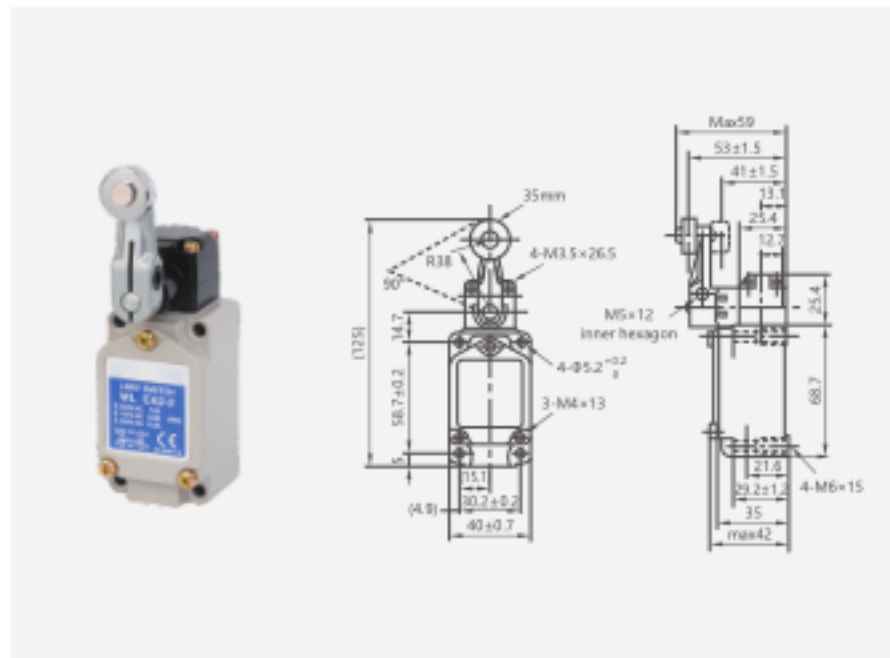
WL CA32-41-43



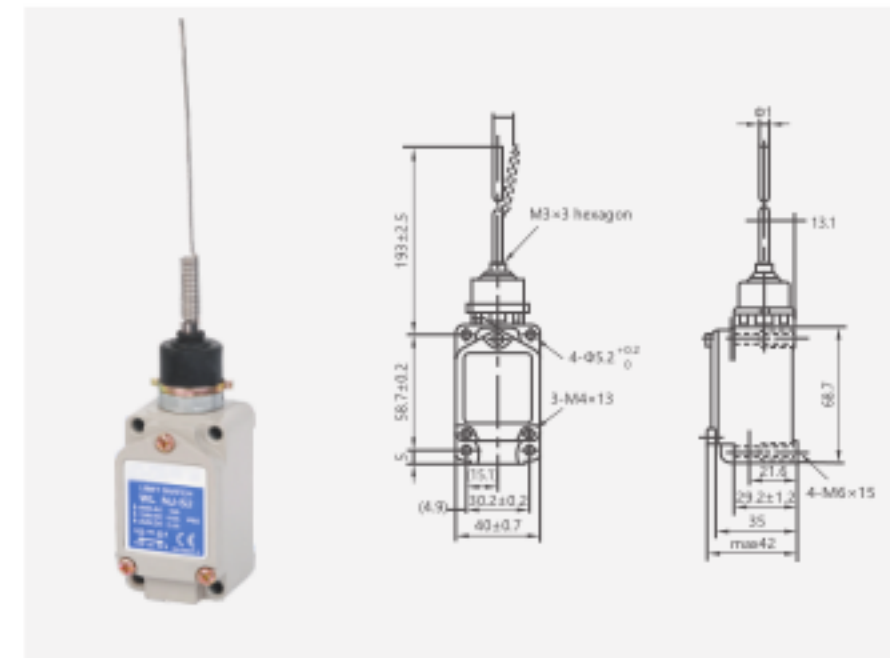
WL CA2



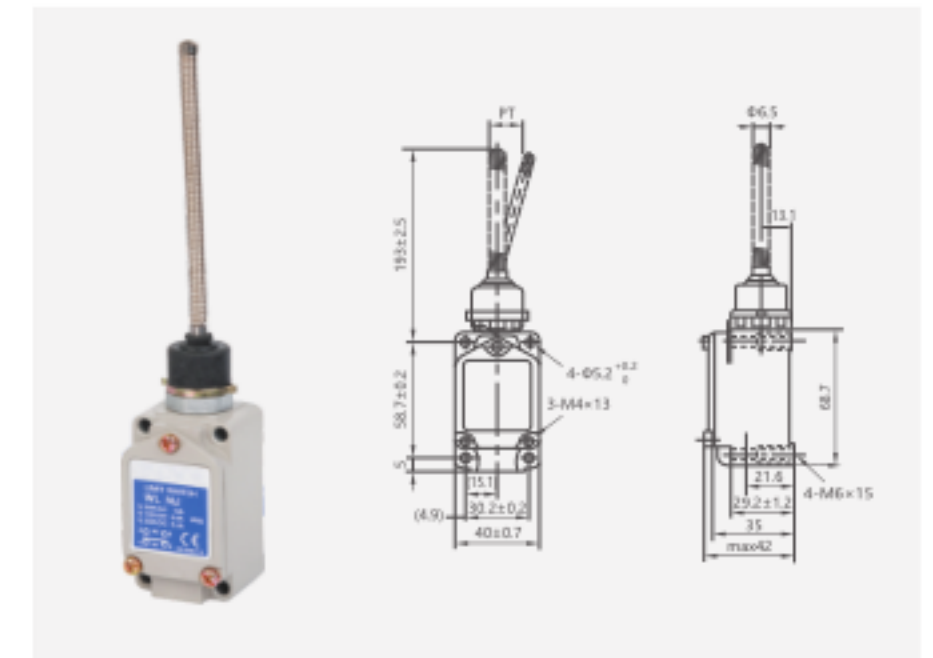
WL CA2-2



WL NJ-S2



WL NJ

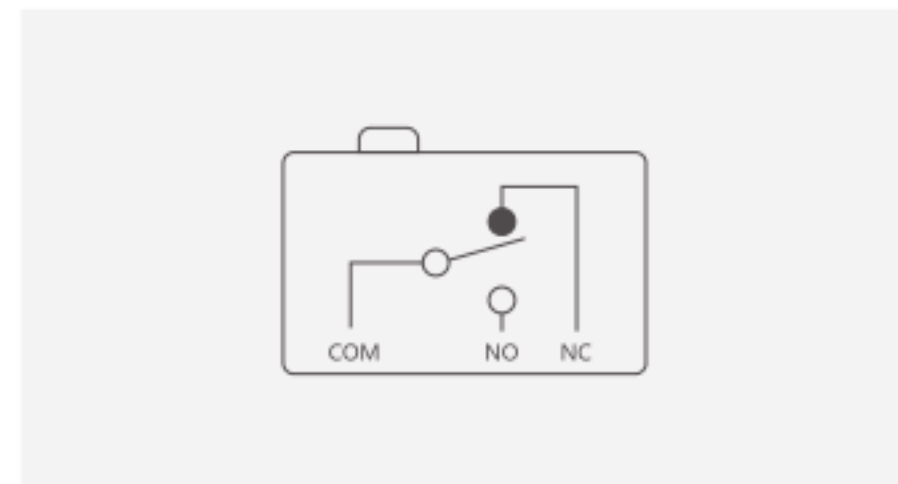


Z-15 Micro Switch

Characteristics / Application

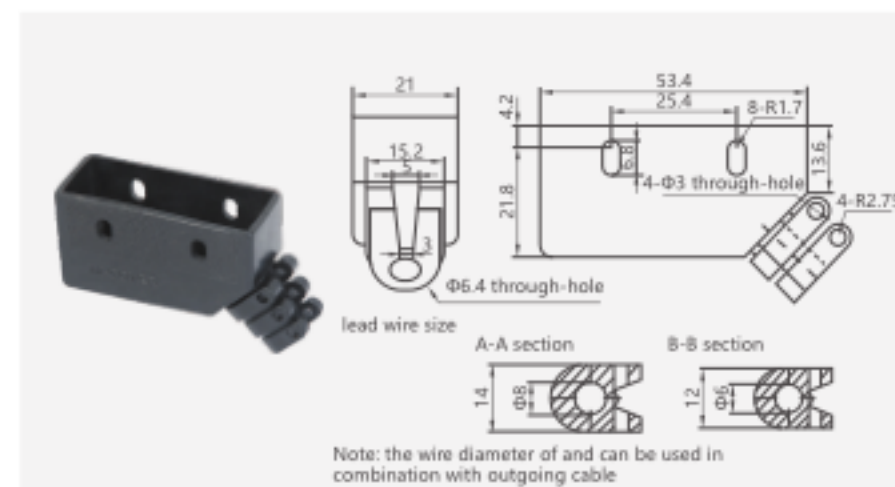
Item	Value
Operation speed	0.1mm to 1m/Sec
Action frequency	Mechanically: 240 times/minute Electically: 20 times/Minute
Insulation resistance	100mΩ above(at 500VDC)
Contact resistance	Under 20mΩ(initial)
Bearing voltage	Non-contact end: 1000VAC, 50/60Hz for one minute Current parts and noncurrent parts 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

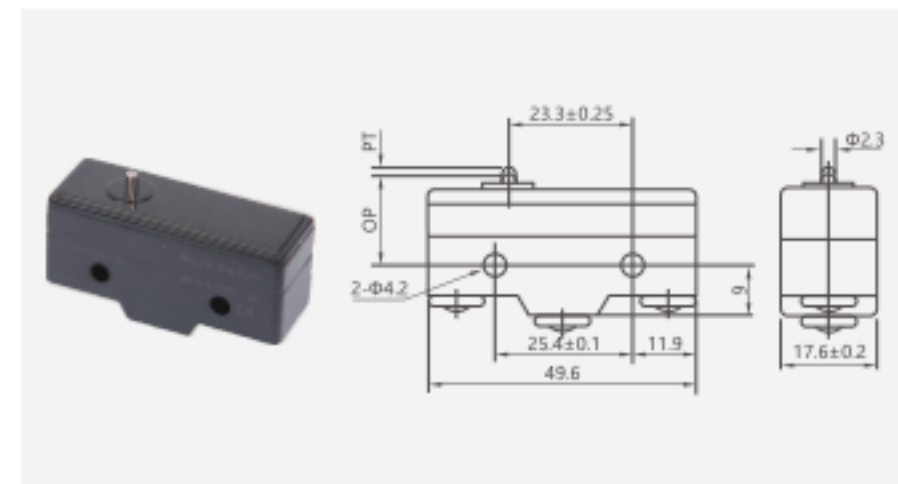


External appearance size

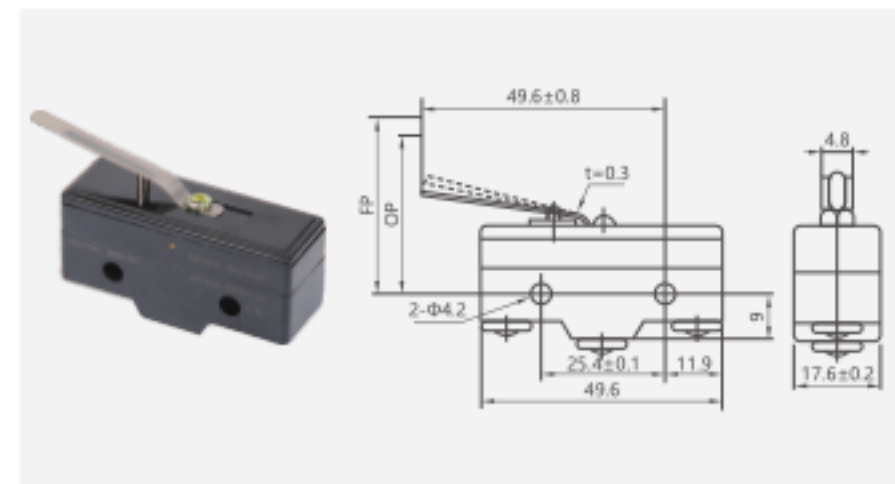
JM-COVER



Z-15G-B

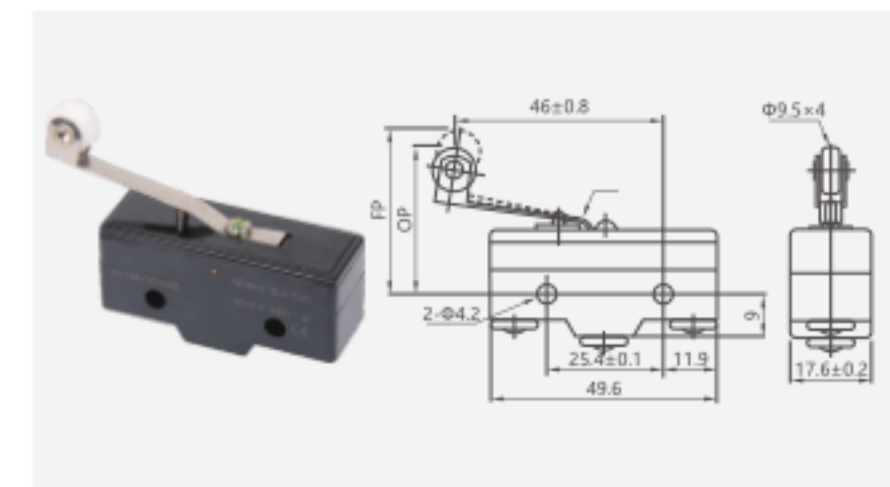


Z-15GL-B

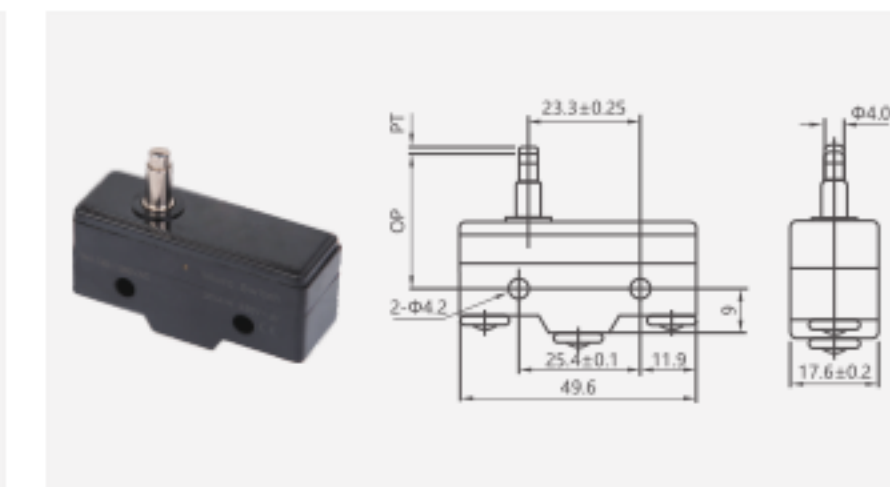


Z-15 Micro Switch

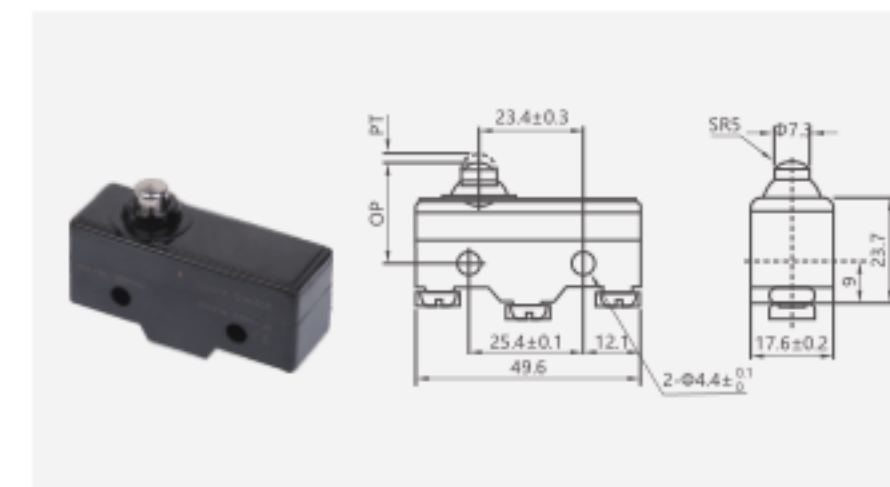
Z-15GL2-B



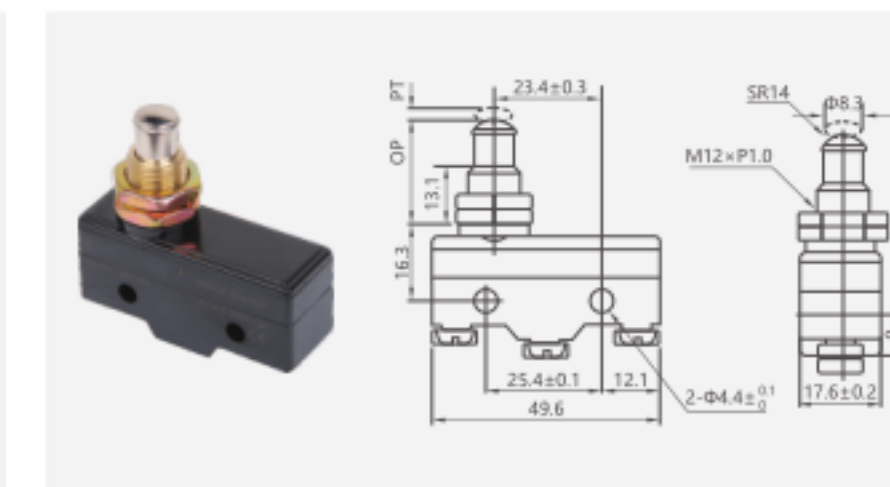
Z-15GS-B



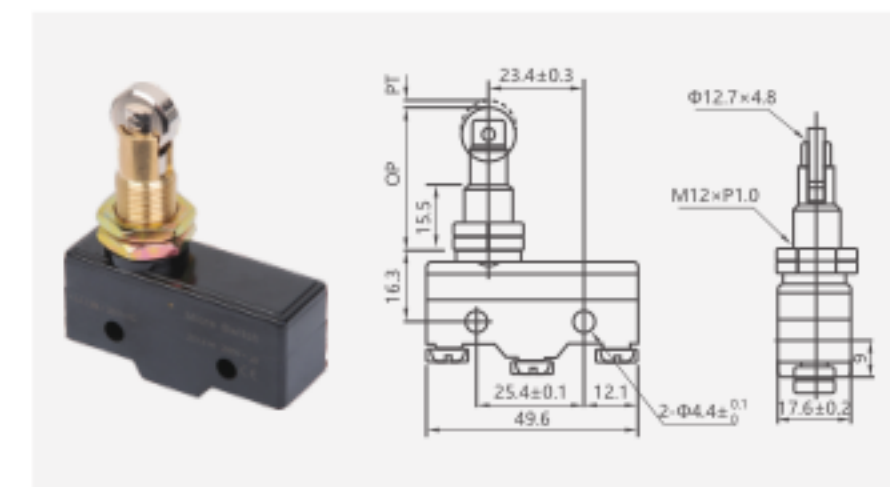
Z-15GD-B



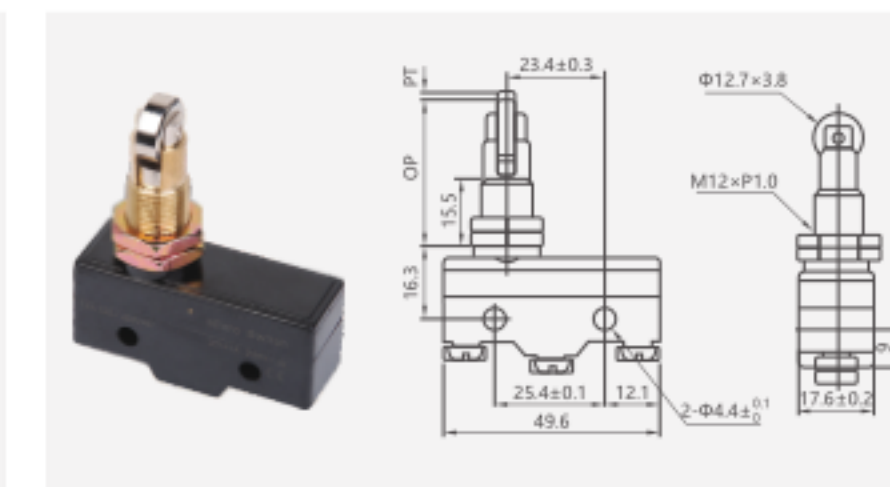
Z-15GQ-B



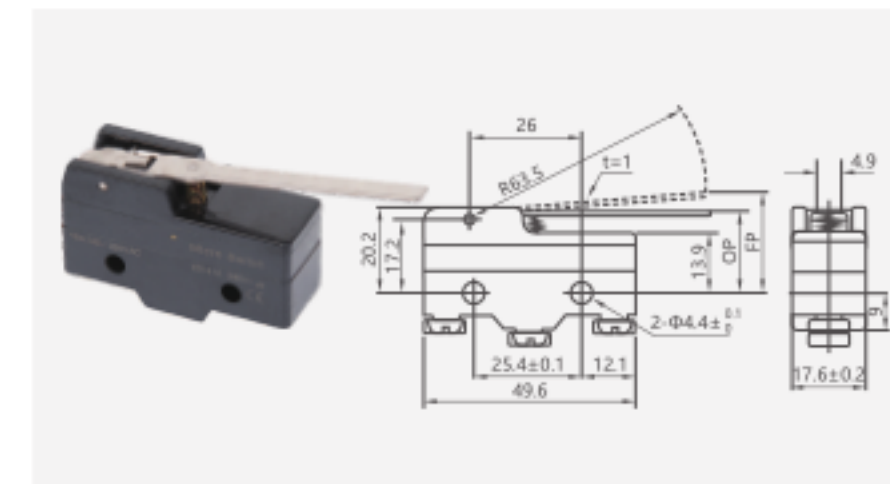
Z-15GQ22-B



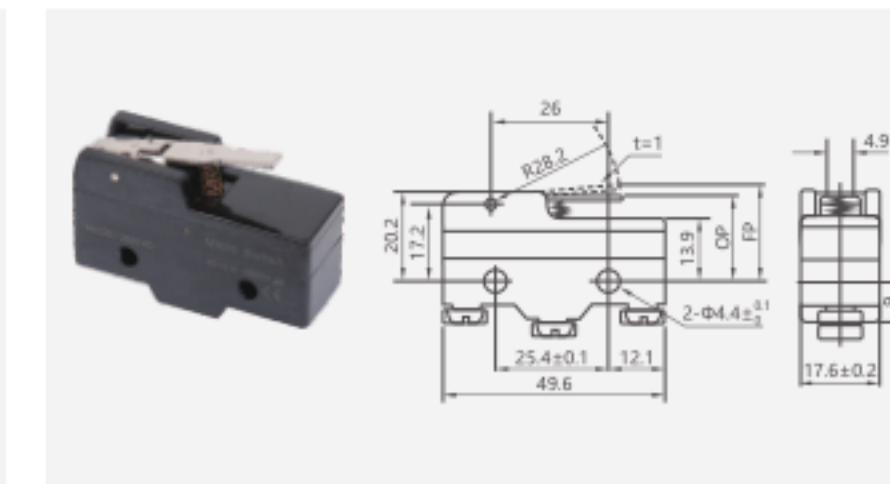
Z-15GQ21-B



Z-15GW-B

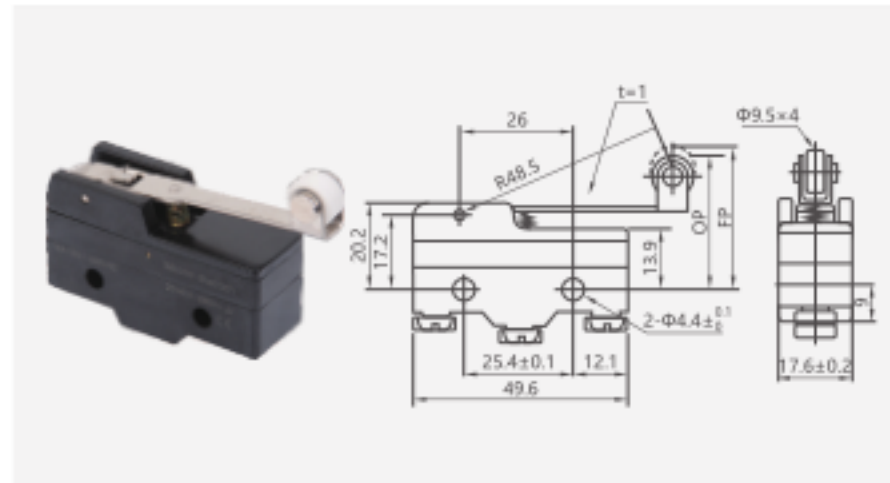


Z-15GW21-B

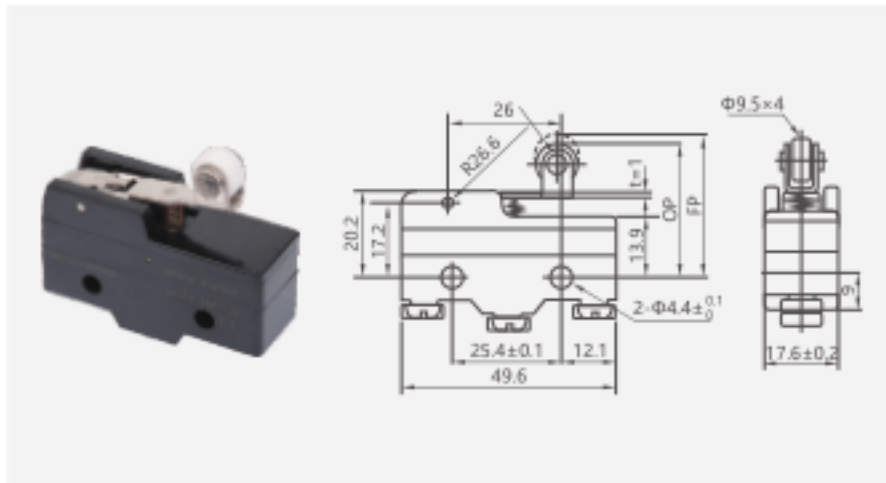


Z-15 Micro Switch

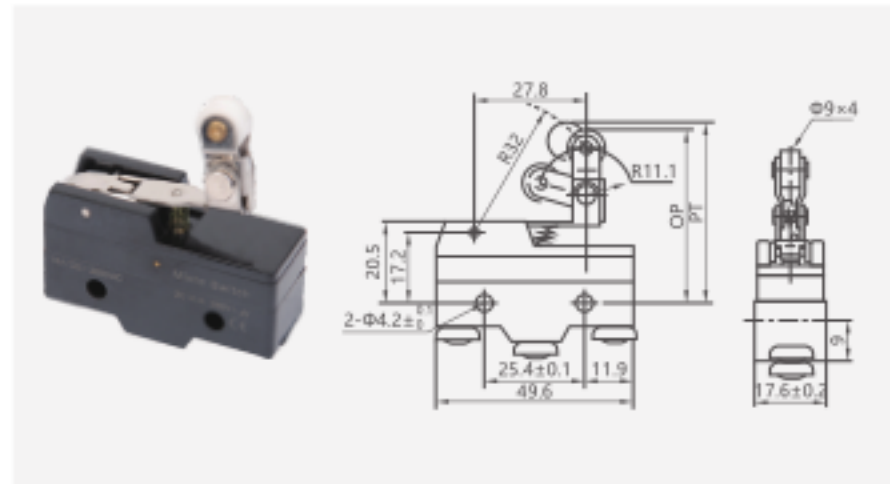
Z-15GW2-B



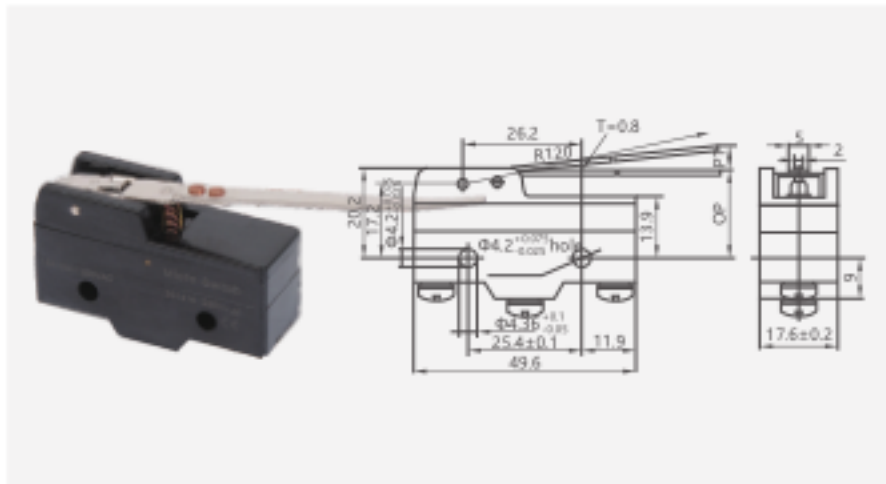
Z-15GW22-B



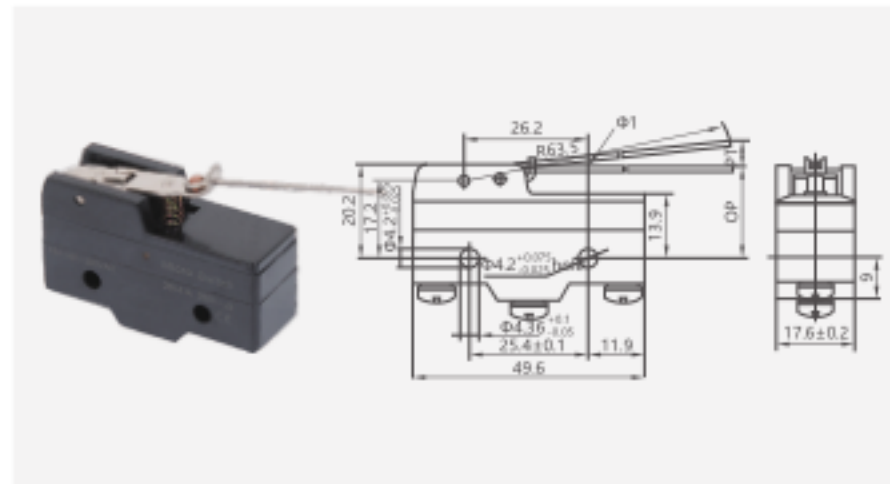
Z-15GW2277-B



Z-15HW24-B



Z-15HW78-B



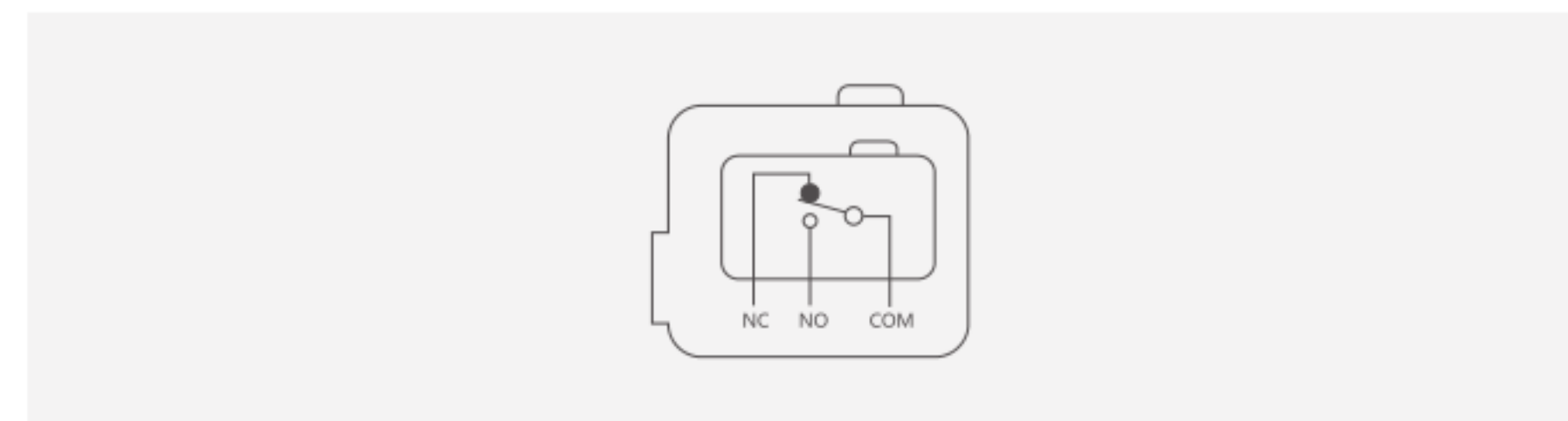
D4MC Micro Switch

Characteristics / Application

	Item	Value
Load	AC 250V	10A
	AC 380V	10A
	DC 125V	5A
	DC 250V	5A
Life	Mechanical	Fifteen million times
	Electrical	Five hundred thousand times
Operation speed		0.05mm~0.5m/s
Operation frequency	Mechanical	120 times/min
	Electrical	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

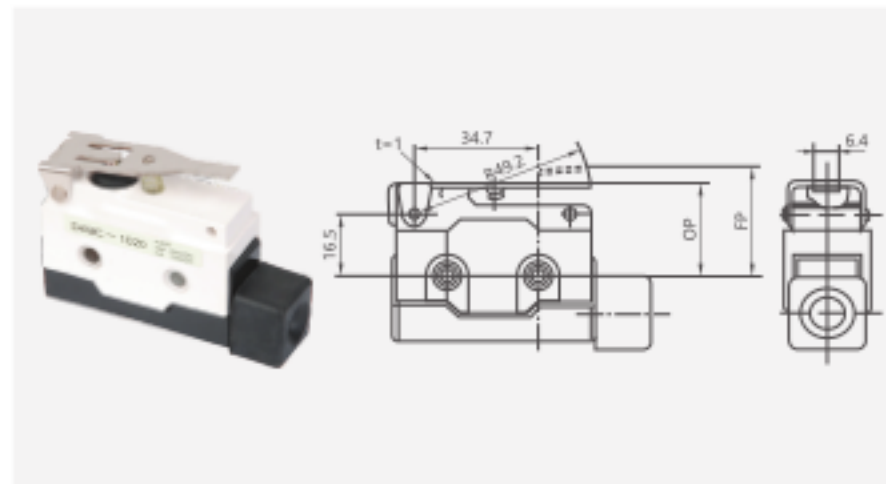


Industrial equipment and switches

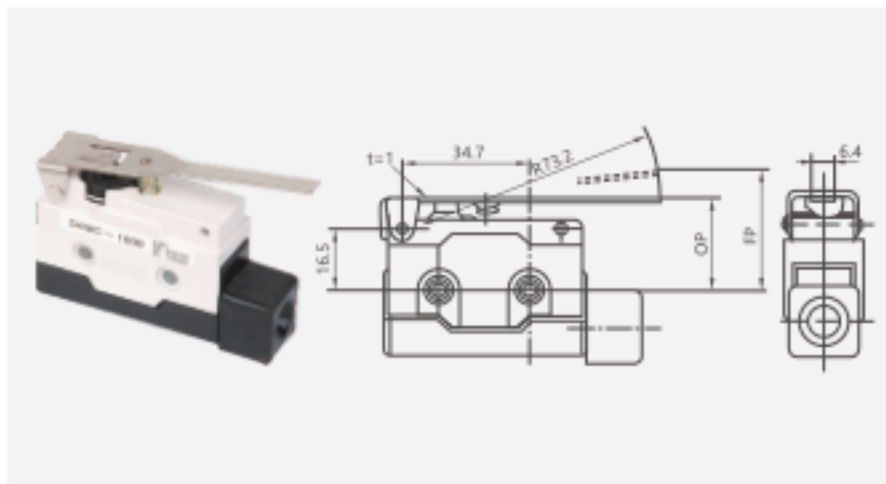
D4MC Micro Switch

External appearance size

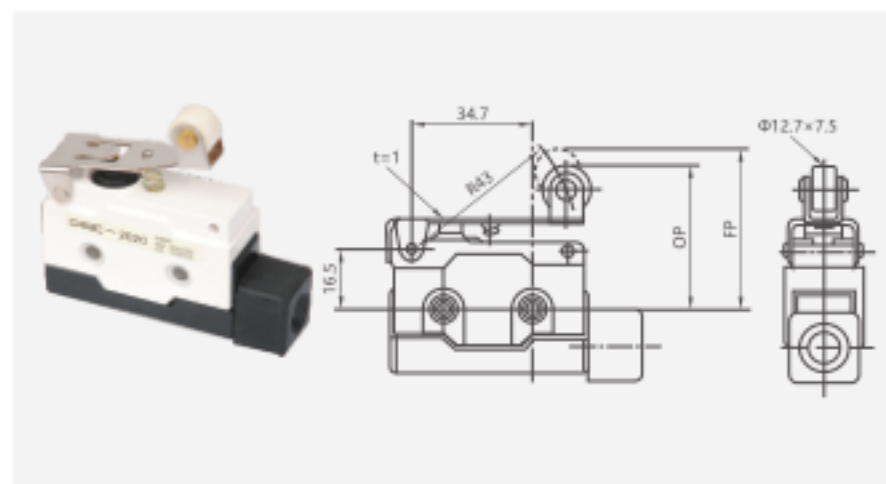
D4MC-1020



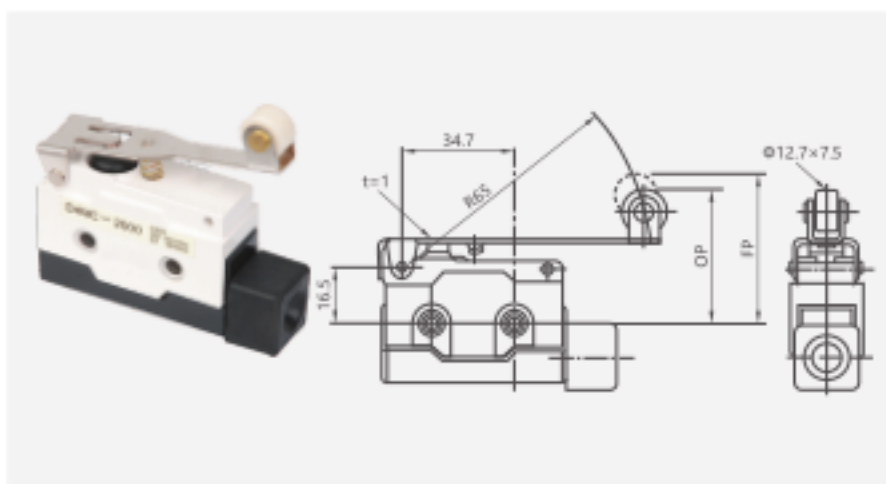
D4MC-1000



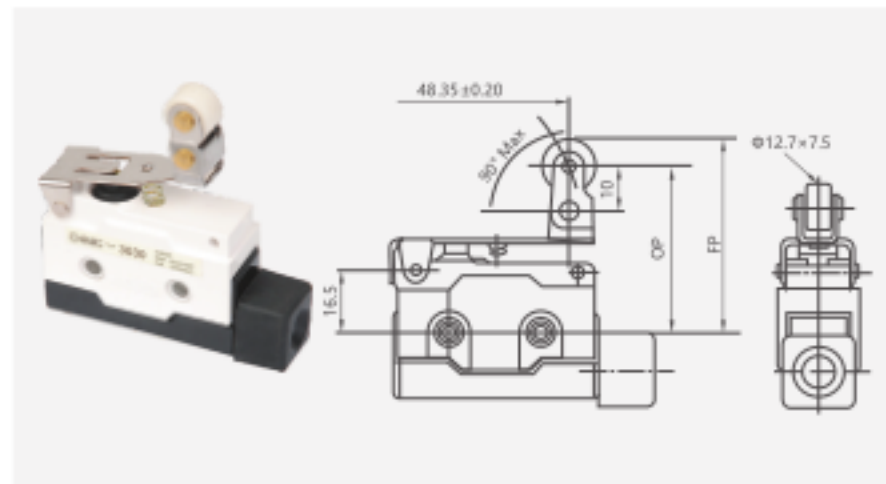
D4MC-2020



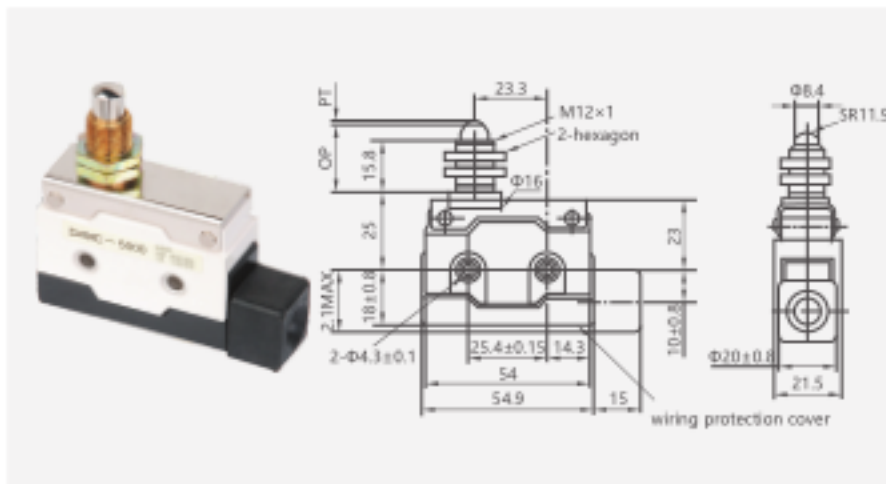
D4MC-2000



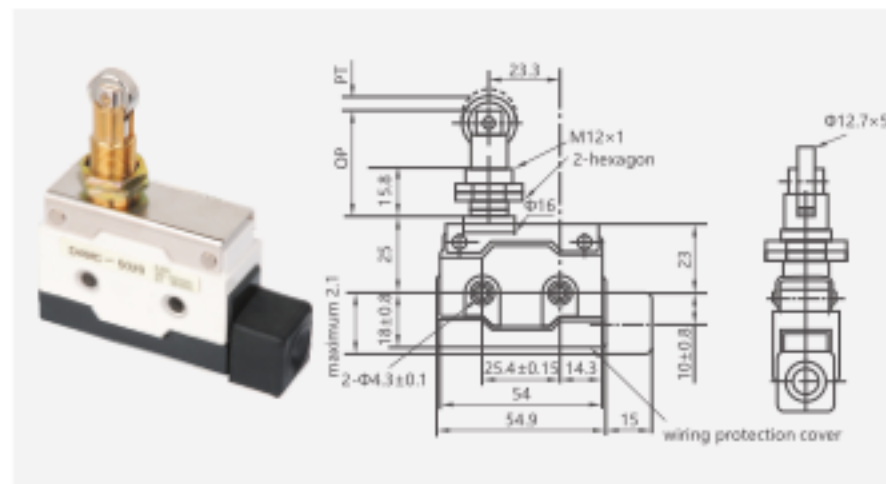
D4MC-3030



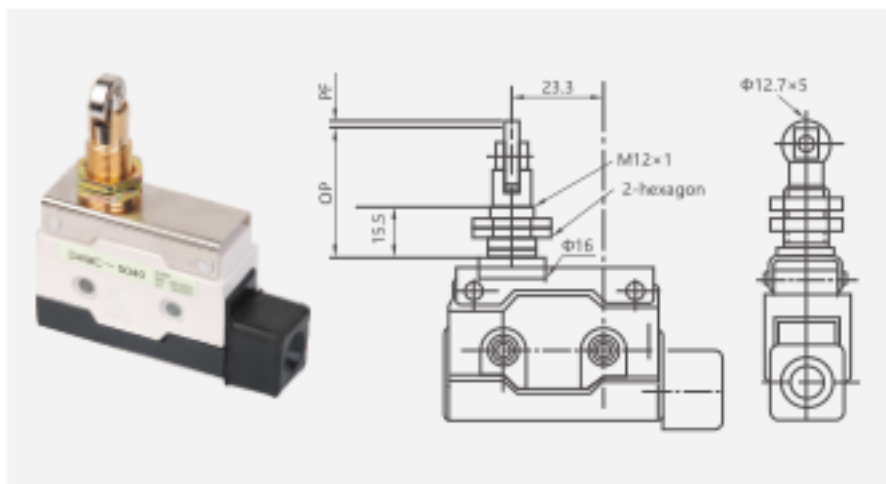
D4MC-5000



D4MC-5020



D4MC-5040



Industrial equipment and switches

AZ Micro Switch

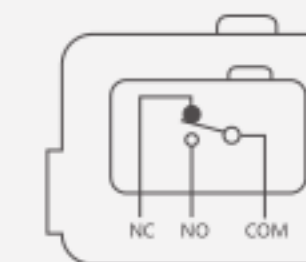
Characteristics / Application

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°C to 80°C
Humidity	Below 95%RH
Serve life	Mechanical: 10000000 times above (at rated ot); Electrical: 500000 times above
Protection structure	IEC specification: IP65

Features

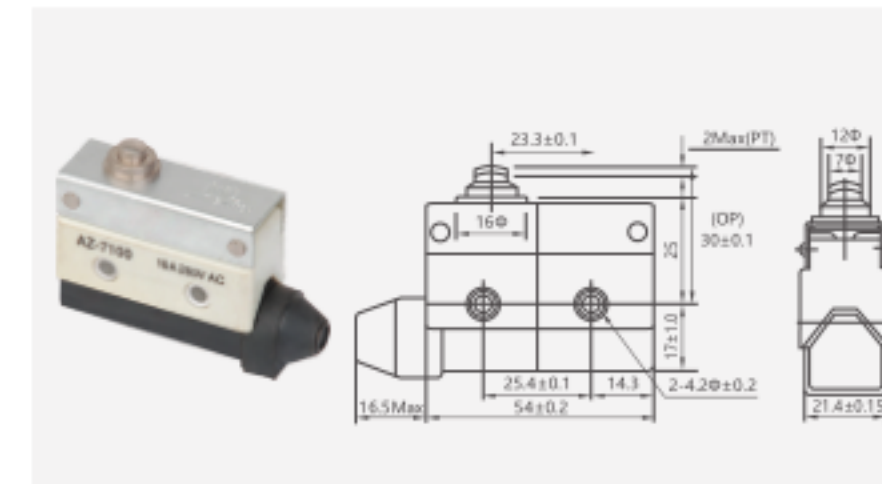
1. Side mount switches
2. Momentary contacts
3. Wide choice of heads and actuators
4. Sealed actuators
5. Completely sealed construction
6. Plastic sealed housing

Contact form

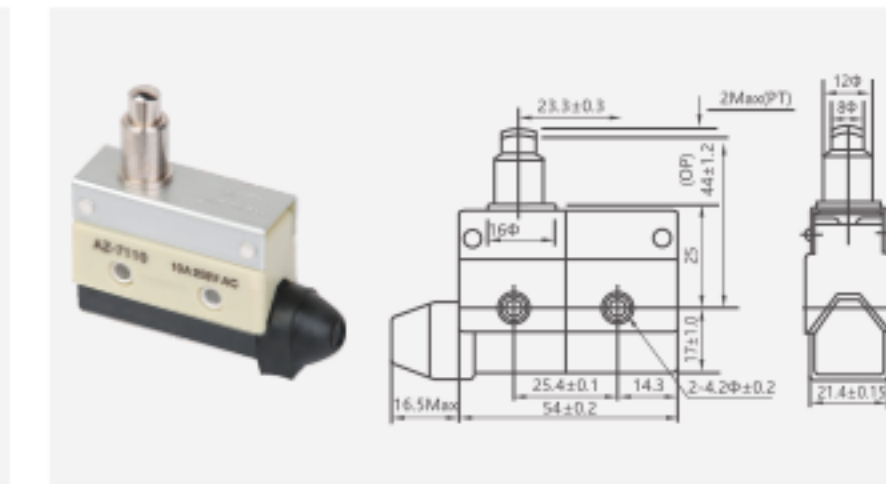


External appearance size

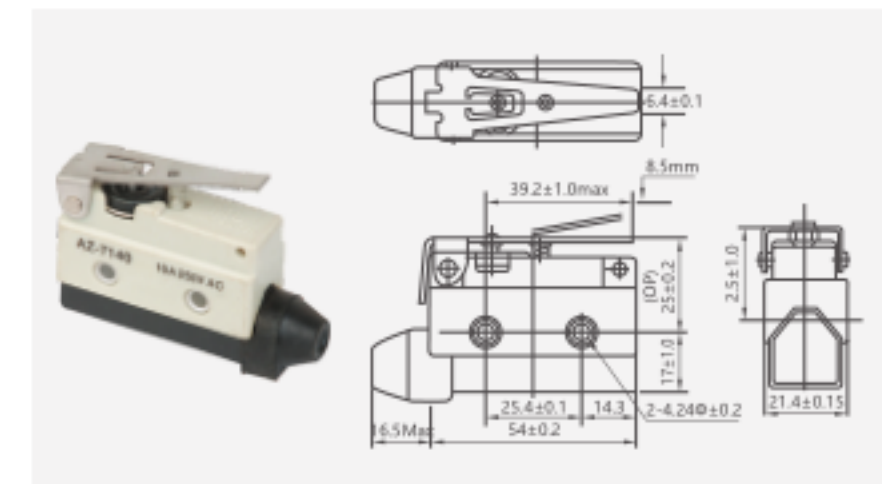
AZ-7100



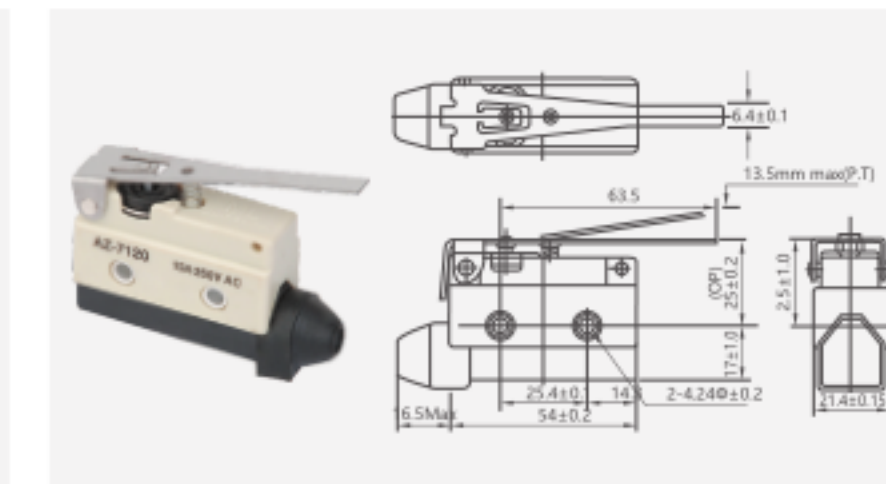
AZ-7110



AZ-7140

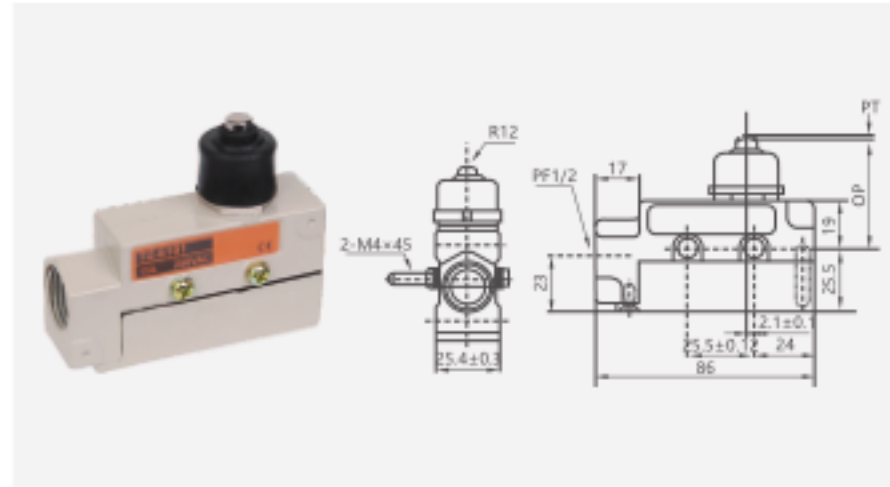


AZ-7120

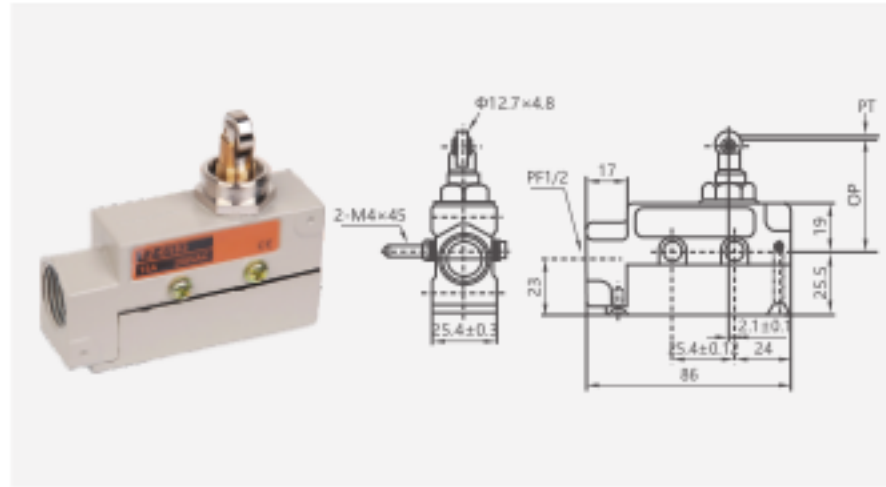


Industrial equipment and switches
TZ Micro Switch

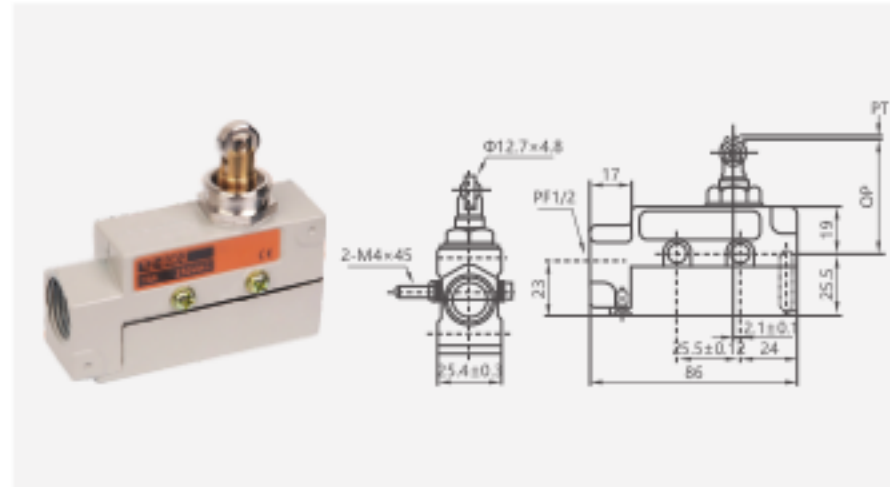
TZ-6101



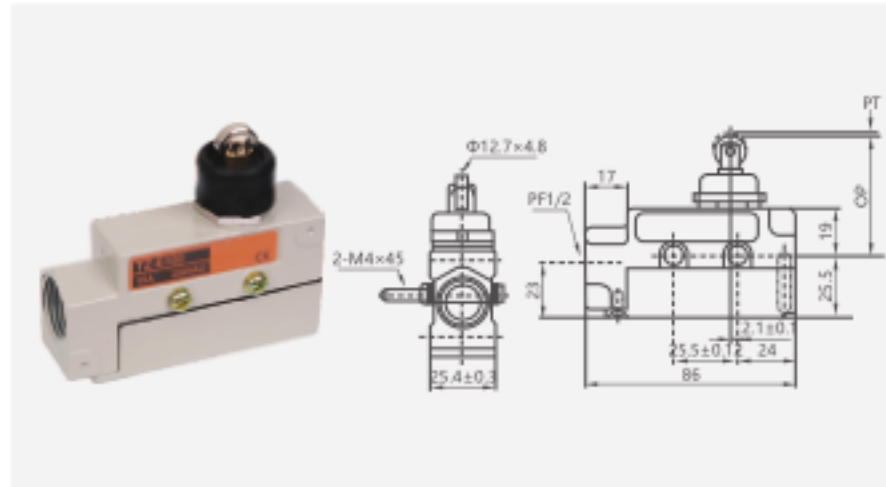
TZ-6103



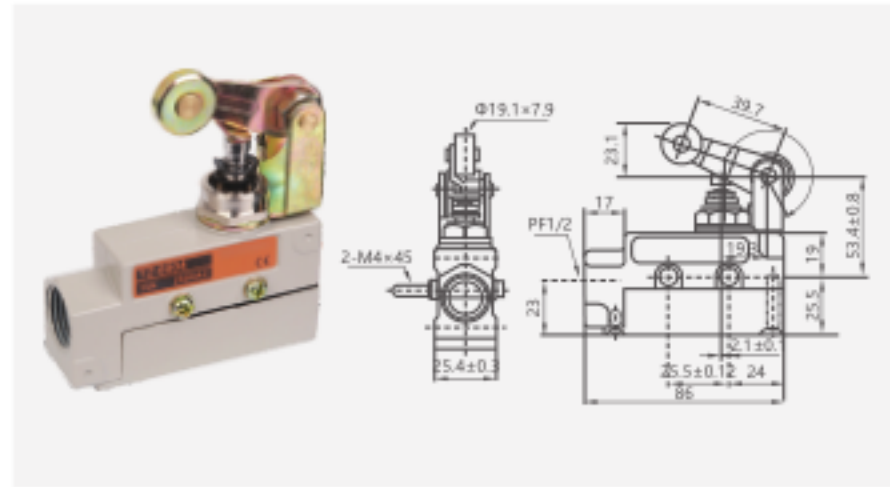
TZ-6002



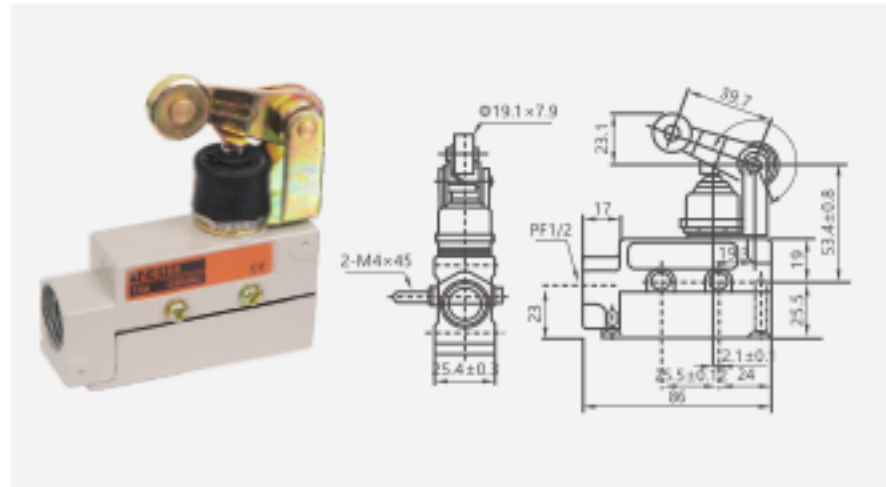
TZ-6102



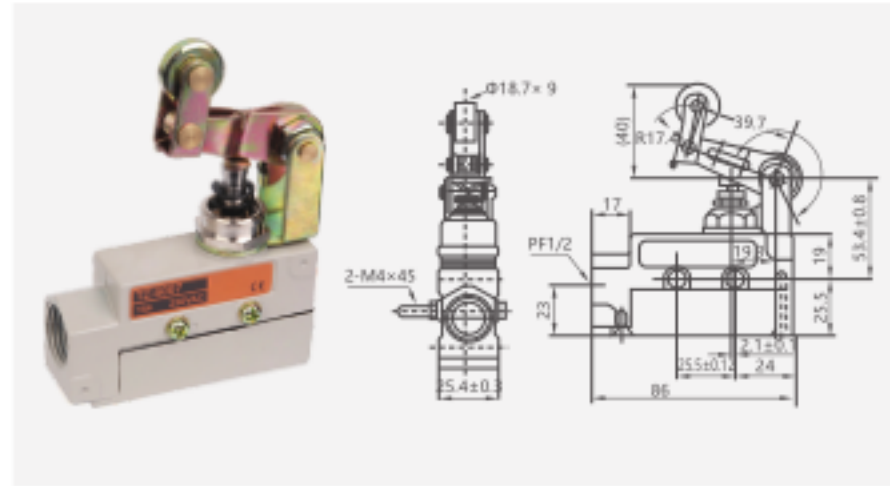
TZ-6004



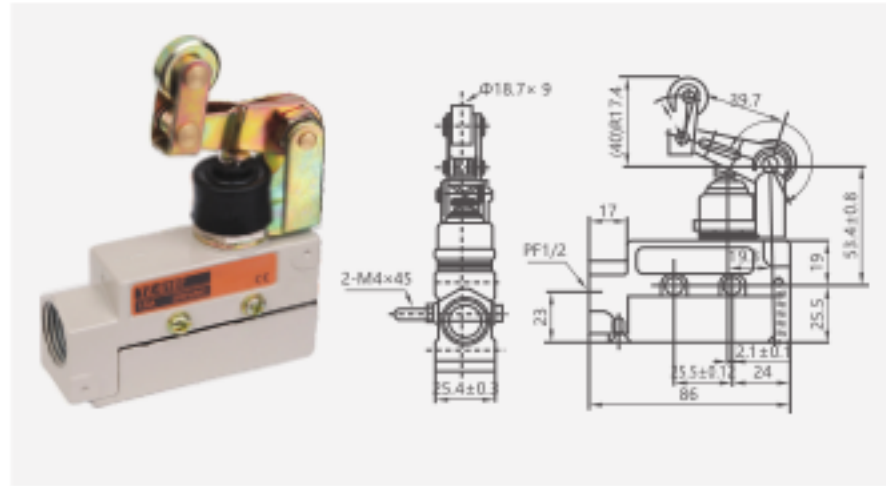
TZ-6104



TZ-6007



TZ-6107

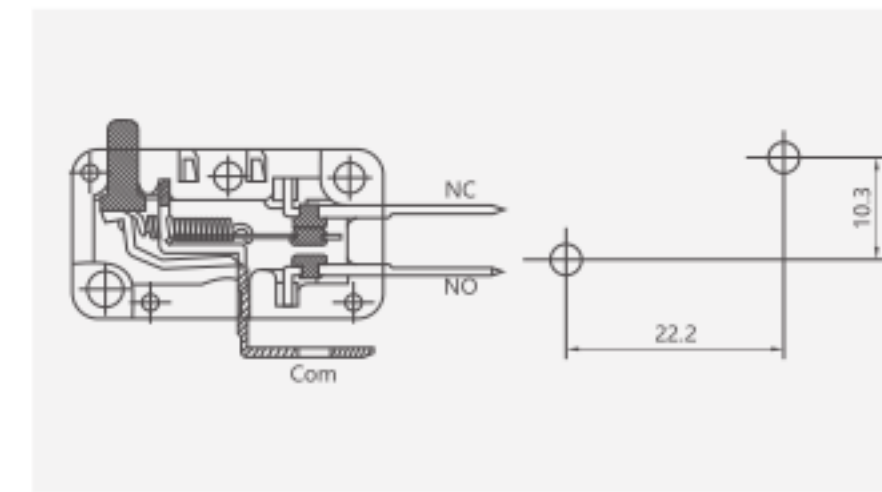


Industrial equipment and switches
V-15 Micro Switch

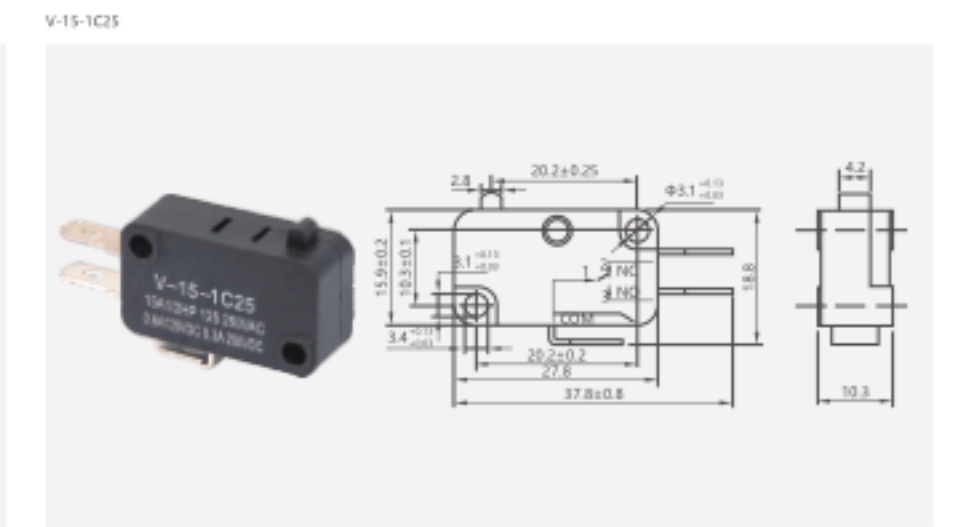
Characteristics / Application

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

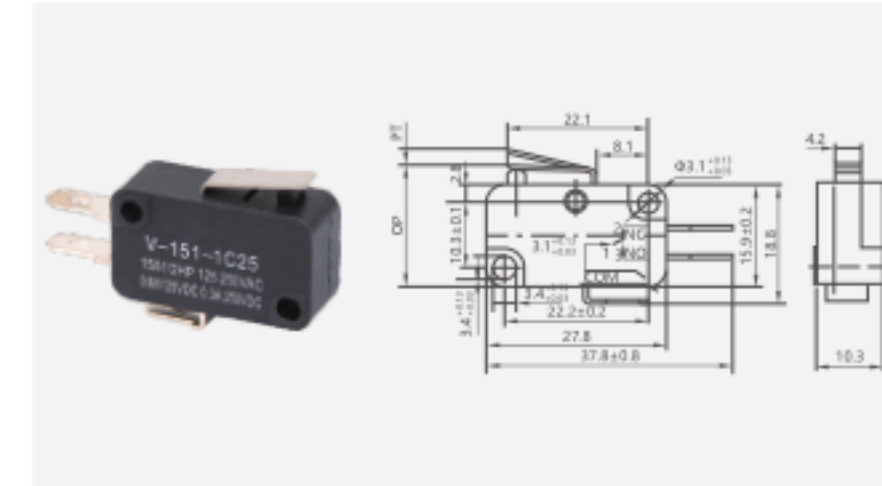
Contact form



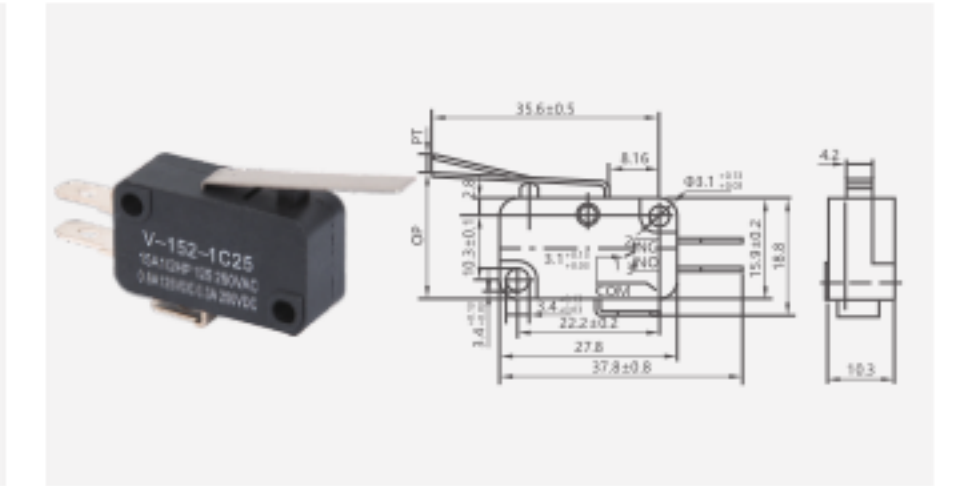
External appearance size



V-151-1C25



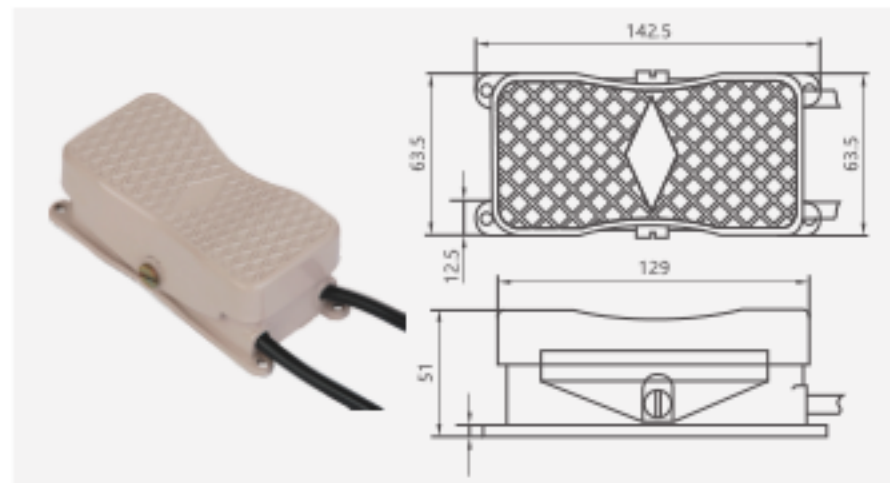
V-152-1C25



Industrial equipment and switches

Pedal Switch

YDT1-101 Aluminum shell (Inverted CIS)



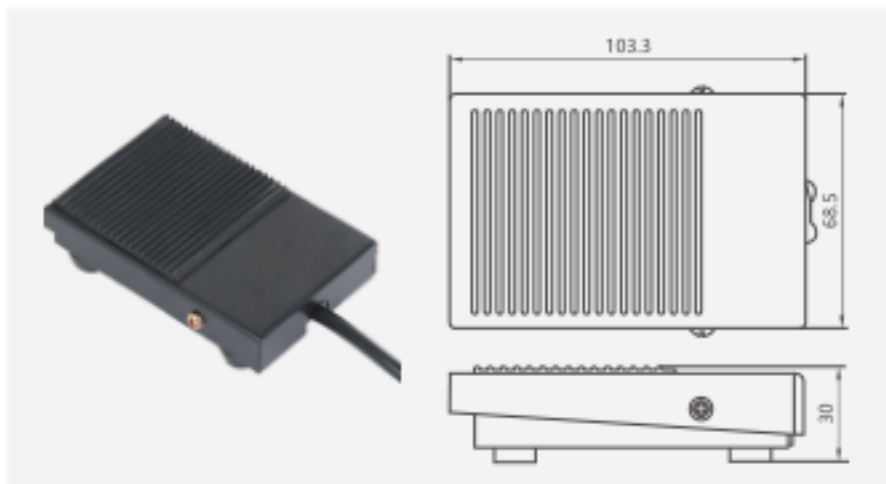
D8107 Plastic shell



VFS-201 Plastic shell



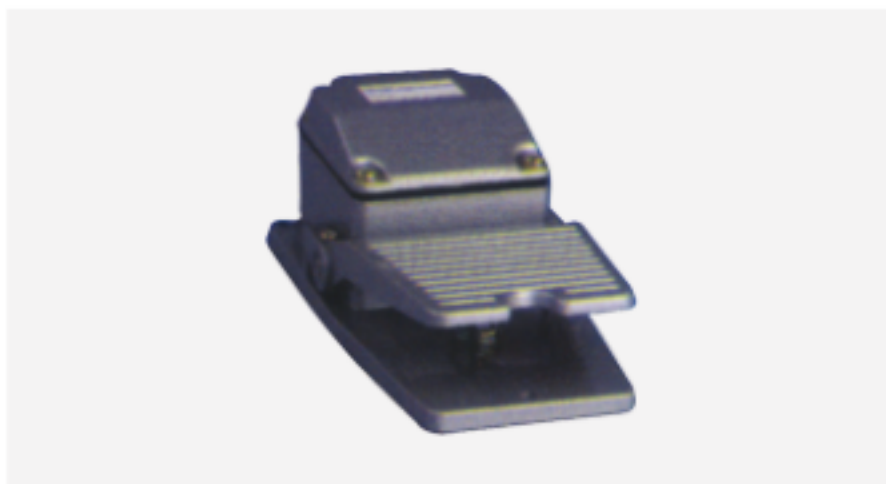
FS-1 Ironclad



FS-01 Plastic shell



SFM-5



YC-16H



KH-8012



Industrial equipment and switches

LW28 Universal Changeover Switch

Scope

LW28 Series Universal changeover switch mainly used for AC 50Hz, rated voltage up to 380V and below, DC voltage up to 220V, rated current to 160A electrical circuit for manually infrequent making or breaking the circuit for the purposes of control and conversion, can also controlling three-phase asynchronous motors and circuit directly as the purposes of master control and measurement. The products widely used, instead of the various national switch, can be used as the circuit control switch, measuring equipment switches, motor control switches and the master control switch, and welding machine switch and so on.

Compliance with standards: The changeover switch use to the main circuit switching and direct control comply with GB14048.3-2001, IEC60947-3.

The changeover switch use to master control comply with GB14048.5-2001



20A



20A-V



20A-A



63A



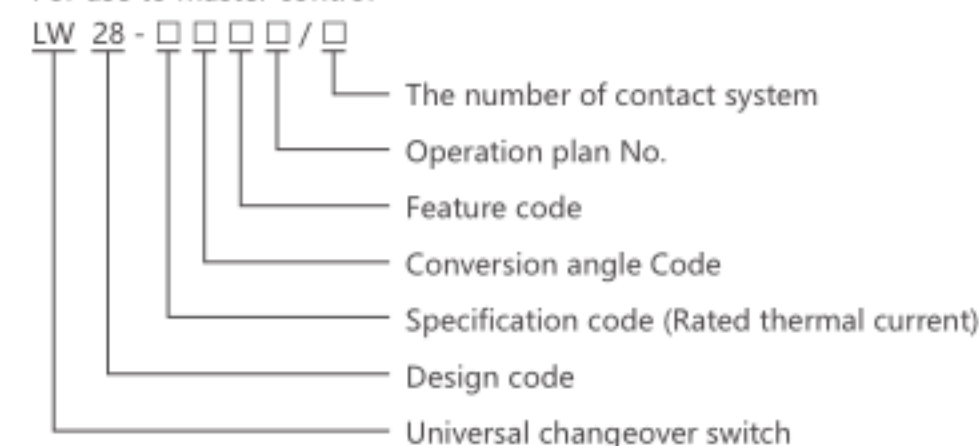
160A

Normal Working Conditions

1. The ambient air temperature does not exceed +40°C, the average temperature within 24 hours and not more than +35°C.
2. The ambient air temperature is not lower than -5°C.
3. Installation site altitude does not exceed 2000m.
4. The relative humidity of the air no more than 50% when the maximum temperature is +40°C and at a lower temperature allows a higher relative humidity, such as when temperature is 20°C the relative humidity reach 90%.
To condensation occasionally due to temperature changes should take special measures.

Type Designation

For use to master control



Note: Conversion angle Codes are 30°(3); 45°(4); 60°(6); 90°(9); 30°automatic reset 60°position(36); 45°automatic reset 90°position(49).

LW28 Universal Changeover Switch

Main Technical Parameters

The following table shows the main technical parameters of the transfer switch

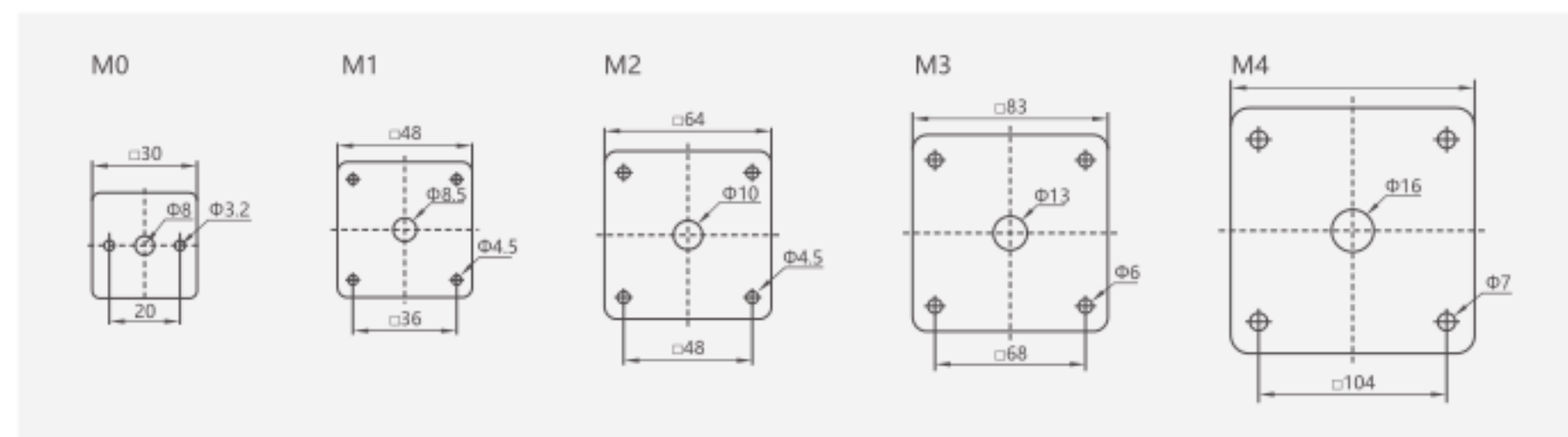
Table 2

Model	Ith A	Ui V	Ue V	AC-21A		AC-22A		AC-23A		AC-2		AC-3		AC-4		AC-15		DC-13	
				le A	P kW	le A	P kW	le A	P kW	le A	P kW	le A	P kW	le A	P kW	le A	P kW	le A	P kW
LW28-10	10	660	240			10	7.5	1.8	7.5	2.5	5.5	1.5	1.75	0.37		2.5			
	10	660	440			10	7.5	3.0	7.5	3.7	5.5	2.2	1.75	0.55		1.5			
LW28-20	20	660	440			20	15	7.5	15	7.5	11	5.5	3.5	1.5		4			
	20	660	240													5		1	
LW28-25	25	660	440			25	22	11	22	11	15	7.5	6.5	3		5			1.5
	25	660	240															8	
	25	660	120																9
LW28-32	32	660	440			32	30	15	30	15	22	11	11	5.5		6			
	32	660	240															14	11
	32	660	120																25
LW28-63	63	660	440			63	57	30	57	30	36	18.5	15	7.5					
	63	660	120																55
LW28-125	125	660	440			125	90	45	90	45	75	30	30	12					90
LW28-160	160	660	440			160	135	75	135	55	95	37	55	15					110

The following table shows the relevant dimension of the transfer switch

Table 3

Model	Panel Specification	Dimensions(mm)				Model	Panel Specification	Dimensions(mm)			
		A	B	C	L			A	B	C	L
LW28-10	M0 Square	30	30	28	22+8n	LW28-32	M2 Square	64	64	58	29.2+12.8n
LW28-20	M1 Square	48	48	43	22+9.6n		M2 Rectangle	64	80	58	29.2+12.8n
	M2 Square	64	64	43	25+9.6n		M3 Square	88	88	58	29.2+12.8n
LW28-20c	M2 Rectangle	64	80	43	25+9.6n	LW28-63	M2 Square	64	64	66	29.2+21.5n
	M2 Square	64	64	60	42.5+12.6n		M2 Square	64	80	66	29.2+21.5n
	M3 Square	88	88	60	42.5+12.6n	LW28-125	M3 Square	88	88	66	29.2+21.5n
LW28-25	M1 Square	48	48	45.2	23+12.8n	LW28-160	M3 Square	88	88	84	35+26.5n
	M1 Rectangle	48	60	45.2	23+12.8n	LW28-315	M4 Square	130	130	126	39.5+38.5n
	M2 Square	64	64	45.2	26.5+12.8n						
	M2 Rectangle	64	80	45.2	26.5+12.8n						



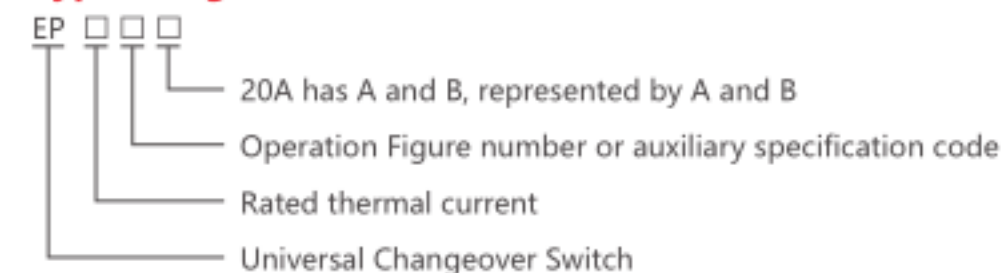
EP Universal Changeover Switch



Scope

EP mainly used for electrical equipment cabinets or three-phase asynchronous motor load start shifting and steering, used as the main and auxiliary circuits conversion, can fully replace other switch.

Type Designation



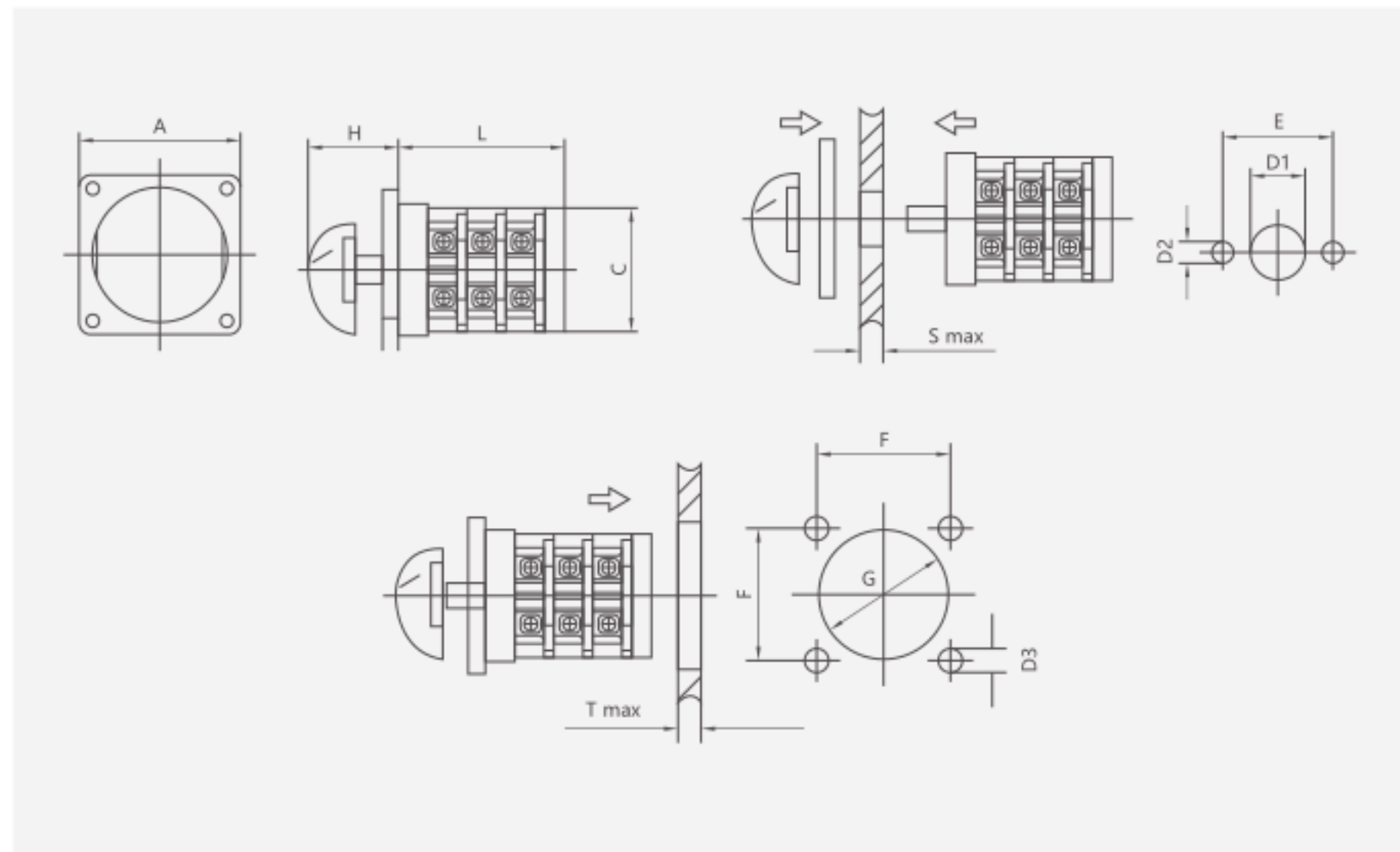
Main Technical Parameters

Model specification	EP-20				EP-25				EP-32					
Rated thermal current	A	20			25				32					
Rated operating voltage	V	110	220	440	110	220	440	500	690	110	220	440	500	690
Rated operating current	AC-21A	A		20					25					32
	AC-22A	A		6					20					32
	DC-20	A	20			25					32			
Rated control frequency	AC-23A	kW	5		7.5	11		15		11	18.5		22	
	AC-3	kW	4	7.5	5.5	7.5		11		7.5	15		18.5	
	AC-4	kW	22	5.5	2.2	4	4			3	5.5	5.5		
	DC-23	kW	0.77	12	3	2	2.2			2	2.2			

Model specification	EP-50				EP-75						
Rated thermal current	A	25				32					
Rated operating voltage	V	110	220	440	500	690	110	220	440	500	690
Rated operating current	AC-21A	A				50					75
	AC-22A	A				40					63
	DC-20	A	50					75			
Rated control frequency	AC-23A	kW	15	22		30		18.5	30		37
	AC-3	kW		11	18.5		22		15	22	30
	AC-4	kW		5.5	7.5	9			7.5	11	15
	DC-23	kW	3	6				4	8		

EP Universal Changeover Switch

Dimensions and Mounting Dimensions



Rated Value Table

Model specifications	Panel Specifications (A)	Dimensions(mm)			Mounting dimensions(mm)							
		C	H	L	E	D1	D2	S	F	G	D3	T
EP-20	□54	φ44	38	25+12n	32	φ9.5	φ3.2	1.5	35	φ45	φ4.5	6
EP-20	□72	φ44	38	25+12n	32	φ9.5	φ3.2	1.5	58	φ45	φ4.5	6
EP-25	□72	φ59	36	23+13n	33	φ9.5	φ3.2	1.5	58	φ64	φ4.5	6
EP-25	□105	φ59	53	23+13n	33	φ9.5	φ3.2	1.5	85	φ64	φ4.5	6
EP-32	□72	φ59	36	23+18n	33	φ9.5	φ3.2	1.5	58	φ64	φ4.5	6
EP-32	□105	φ59	53	23+18n	33	φ9.5	φ3.2	1.5	85	φ64	φ4.5	6
EP-50	□105	φ80	53	34+18n	46	φ13	φ5.3	3	85	φ90	φ5.5	8
EP-75	□105	φ80	53	34+27n	46	φ13	φ5.3	3	85	φ90	φ5.5	8

CS-68 Universal Changeover Switch

Scope

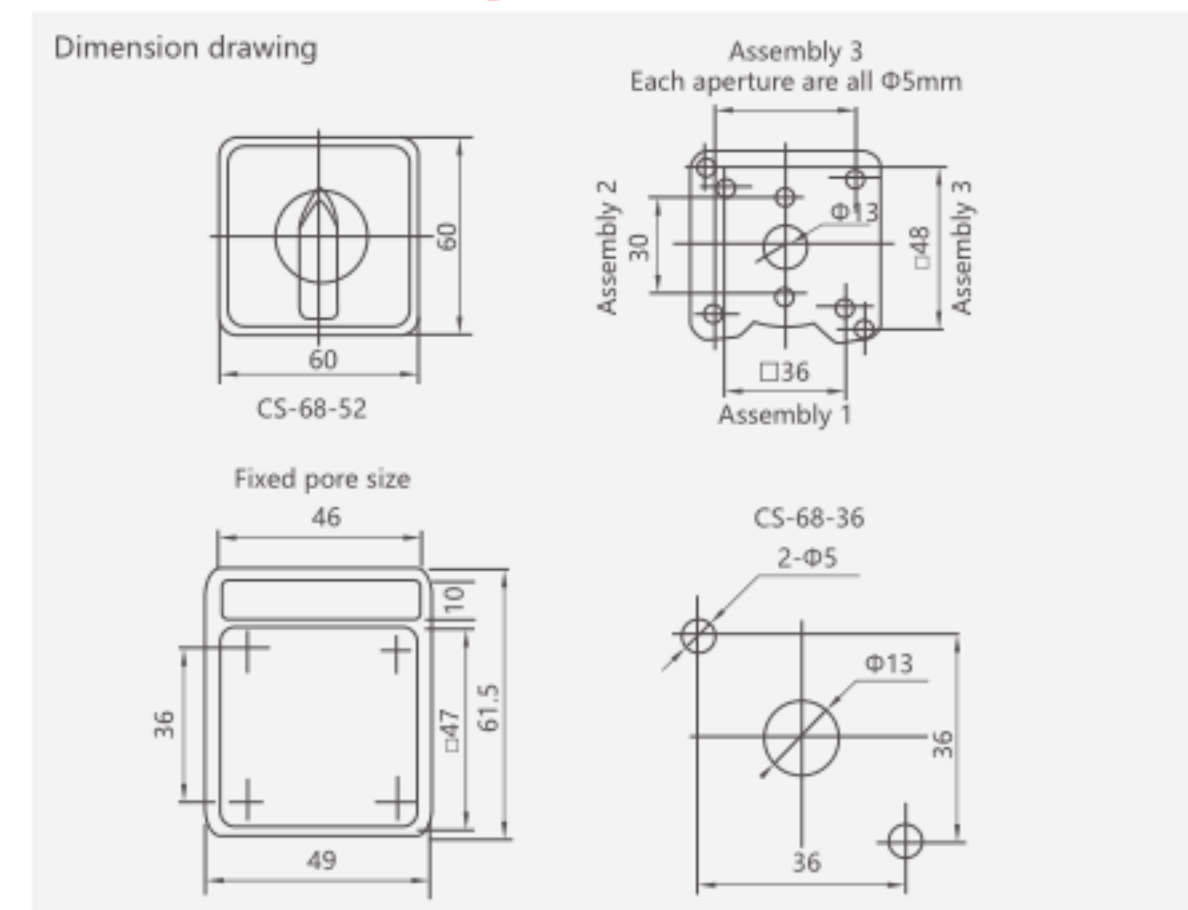
Multi-stage selection switch is a versatile product, widely used in the control panel of CNC power switch. Power switch the use, because of their high voltage, high current, the combined use of gold and silver contacts on the control panel of CNC. On the use of power switch, because of their high voltage, high current, the combined use of gold and silver contacts on the control panel of CNC, because of their low voltage, low current, so you should use gold contacts, Since the difference between with the use, so we should distinguish clearly, but generally the product is not clearly marked will both increase the failure rate or poor contact, therefore, the company launched multi-stage switch, with a blue and white two colors indicate high voltage, high current and low voltage, low current, so as to achieve the effect of the work to improve the product life.

Rated Value Table

	Low voltage, low current (Contact seat in white)	High voltage, high current (Contact seat in blue)
Contact capacity	24V 0.1A	600V 15A
Contact resistance	Below 10m during the early	Below 500m during the early
Withstanding Voltage	220VAC 1min	
Insulation resistance	Above 100m 500VAC	
Lifetime	Electrical life: above 100000 Mechanical life: above 100000	

Operation	Manual Reset	Automatic reset
Switching angle	30°, 45°, 60°, 90°	45°
Switching the number of segments	2-12	2-3

Dimensions and Mounting Dimensions



LW28GS Padlock Type Power Cut Off Switch



20A/04-1



32A/04-2



125A/04-3



160A/04-3

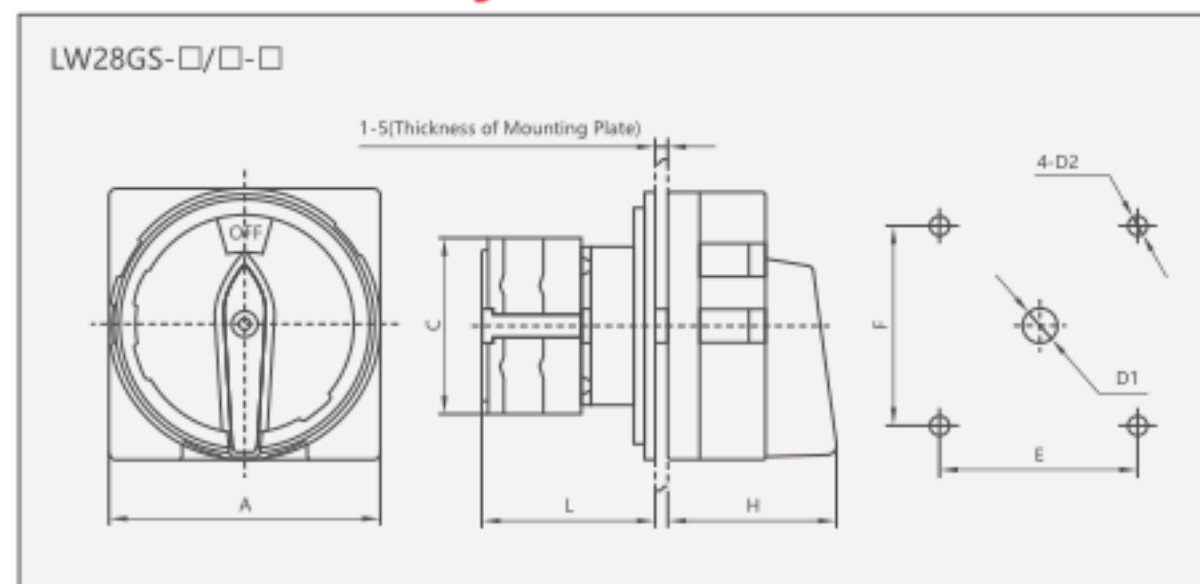
Scope

LW28GS series Padlock type Power cut off switch is derived product of LW28 universal changeover switch. The main use to the power cut-off switch of machine tool that can be locked by a padlock, in the open position("O" or "OFF")and on position ("1" or "ON")can be locked by a pedlock to prevent the misuse and operation control by unauthorized personnel.

The product comply with GB14048.3-2001, IEC60947-3.

Model specification	LW28GS-20	LW28GS-25	LW28GS-32	LW28GS-63	LW28GS-125	LW28GS-160
Rated operating voltage Ue V	440	440	440	440	440	440
Rated thermal current A	20	25	32	63	125	160
Rated operating current	AC-21A	20	25	32	63	150
	AC-22A	20	25	32	63	150
	AC-23A	15	22	30	57	135
Rated control frequency	AC-23A	7.5	11	15	30	45
Operating cycle P kW	No-load	8500	8500	8500	8500	8500
	Load	1500	1500	1500	1500	1500
	The total load	10000	10000	10000	10000	10000

Dimensions and Mounting Dimensions



Model specification	Panel specification	Dimensions(mm)				Mounting dimensions(mm)			
		A	C	L	H	E	F	D1	D2
LW28GS-20/04-1	M1	□48	43	42	33	36	36	φ8.5	φ4.5
LW28GS-20/04-2	M2	□64	43	43	42	48	48	φ10	φ4.5
LW28GS-25/04-1	M1	□48	45.2	50	33	36	36	φ8.5	φ4.5
LW28GS-25/04-2	M2	□64	45.2	51	42	48	48	φ10	φ4.5
LW28GS-32/04-2	M2	□64	58	55	42	48	48	φ10	φ4.5
LW28GS-32/04-3	M3	□88	58	55	52	68	68	φ13	φ6
LW28GS-63/04-2	M2	□64	66	72.5	42	48	48	φ10	φ4.5
LW28GS-63/04-3	M3	□88	66	72.5	52	68	68	φ13	φ6
LW28GS-125/04-3	M3	□88	84	88	52	68	68	φ13	φ6
LW28GS-160/04-3	M3	□88	88	100	52	68	68	φ13	φ6

D11-3P/4P Power Off the Combination Switch



25A-32A



40A-63A



40A-63A



80A-100A



Attached socket

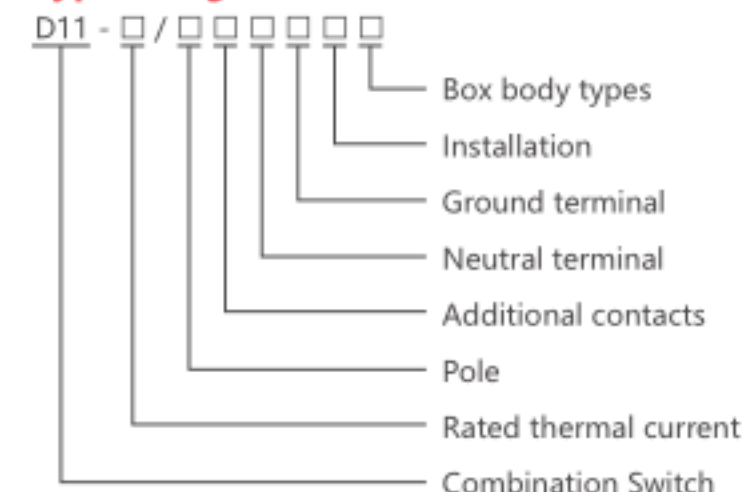
Scope

D11 is the product of introducing foreign advanced technology development, small volume ,most secure and reliable performance, it's a load breaker switch that suitable for ventilation, air conditioning and water pump system, and industrial equipment switch use for insulation and security isolation, equivalent foreign KG20-KG100 load breaker switch.

Normal Working Conditions

1. The ambient air temperature does not exceed +40°C, the average temperature within 24 hours and not more than +35°C.
2. The ambient air temperature is not lower than -5°C.
3. Installation site altitude does not exceed 2000m.
4. The relative humidity of the air no more than 50% when the maximum temperature is +40°C and at a lower temperature allows a higher relative humidity, such as when temperature is 20°C the relative humidity reach 90%. To condensation occasionally due to temperature changes should take special measures.

Type Designation



Product Features

1. Security
Insulation distance of the switch contact point is large, to achieve 13-14mm, exceeds the safety requirements VDE0113. in many cases, the security level of the switch exceeds the existing world of various circuit interrupter.
2. Flexible installation type
Switches can be applied panel type, you can also apply bottom mount, the base mounting type can be easily and securely with screws or 35mm rail mounting, switching system has strong flexibility and adaptability to add additional contacts and neutral terminals, you can not remove the switch could increase the adaptability additional contacts easily.
3. Easy installation
The built-in screw to prevent slipping manual, benefiting to pneumatic or electric tools to facilitate the best performance and ensure safety and speed at installation.

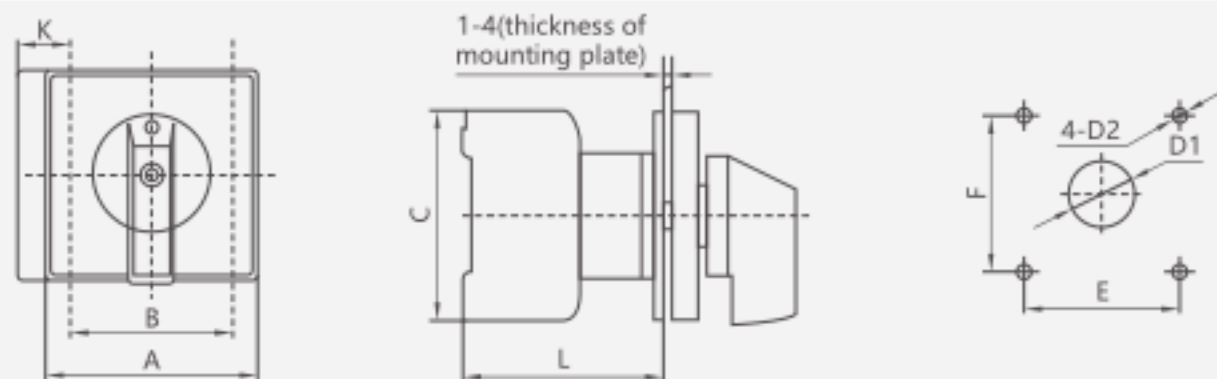
D11-3P/4P Power Off the Combination Switch

Fixed Pole Size

Switch	Type	Pole	A	B	Cam	D ₁	D ₂	F	G	H	L
D11-25 D11-32	ON-OFF	3P	64	48	4	4	22	42	-	54	62
	ON-OFF	4P	64	48	4	4	22	56	-	54	62
	ON-OFF	3P+N	64	48	4	4	22	56	-	54	62
	ON-OFF	3P+N+E	64	48	4	4	22	69	-	54	62
D11-40 D11-63	ON-OFF	6P	64	48	4	4	22	-	84	54	62
	ON-OFF	3P	64	48	4	4	22	50	-	64	67
	ON-OFF	4P	64	48	4	4	22	66	-	64	67
	ON-OFF	3P+N	64	48	4	4	22	66	-	64	67
D11-80 D11-100	ON-OFF	3P+N+E	64	48	4	4	22	82	-	64	67
	ON-OFF	6P	64	48	4	4	22	-	100	64	67
	ON-OFF	3P	64	48	4	5.5	22	70	-	80	82
	ON-OFF	4P	64	48	4	5.5	22	92	-	80	82
D11-80 D11-100	ON-OFF	3P+N+E	64	48	4	5.5	22	104	-	80	82
	ON-OFF	6P	88	68	4	5.5	22	-	140	80	82

Main Technical Parameters

Switch model	Use categories	IEC/BS/VDE Rated standard values					
		Rated thermal current I _{th}	Resistive load AC21	AC23 Accidental switching motors or high inductive loads		Direct link to start the motor	
				3×220 ~240V	3×380 ~440V	3×220 ~240V	3×380 ~440V
D11-25		25A	25A	4kW	7.5kW	3kW	5.5kW
D11-32		32A	32A	5.5kW	11kW	4kW	7.5kW
D11-40		40A	40A	7.5kW	15kW	7.5kW	11kW
D11-63		63A	63A	11kW	22kW	11kW	12.5kW
D11-80		80A	80A	18.5kW	30kW	15kW	22kW
D11-100		100A	100A	22kW	37kW	18.5kW	30kW



Panel Mounting

Model specification	Dimensions(mm)					Mounting dimensions(mm)			
	A	B	C	K	L	E	F	D1	D2
D11-25	□64	42	54	13.5	61	48	48	φ20	φ4.2
D11-32	□64	42	54	13.5	61	48	48	φ20	φ4.2
D11-40	□64	50	64	16	67	48	48	φ20	φ4.2
D11-63	□64	50	64	16	67	48	48	φ20	φ4.2
D11-80	□64	70	80	22.5	82	48	48	φ20	φ4.2
D11-100	□64	70	80	22.5	82	48	48	φ20	φ4.2

LW28,YCD12 Sealed Type Power Cut Off Switch

Main Technical Parameters

Model specification	Dimensions(mm)				Mounting dimensions(mm)	
	P	N	M	C	A1	A2
YCD12-16A	100	80	65	35	60	90
YCD12-20A	125	100	85	35	60	115
YCD12-25A	125	100	85	35	60	115
YCD12-32A	175	114	100	35	60	165
YCD12-40A	175	114	100	35	60	165
YCD12-63A	240	160	120	45	142	193
YCD12-100A	240	160	120	45	142	193



16A-20A

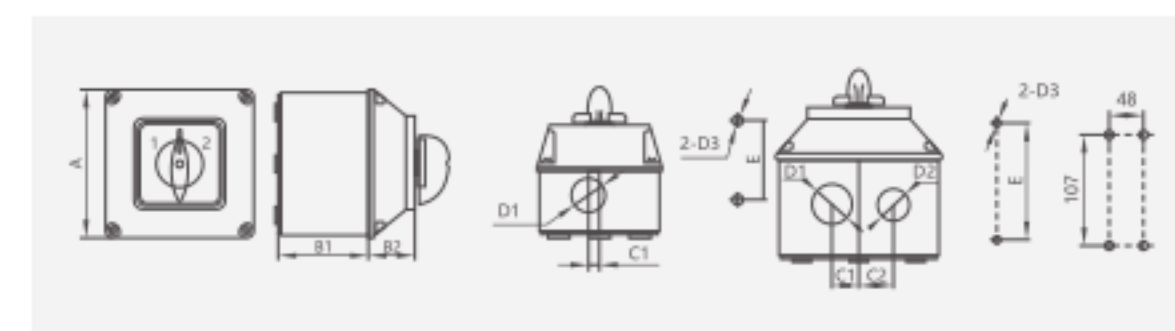


25A-32A




Main Technical Parameters

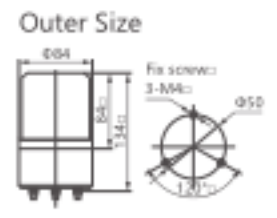
Model specification	Dimensions(mm)							Mounting dimensions(mm)		
	A	B1	B2	C1	C2	D1	D2	D3	E	F
LW28-20	□68.5	35.5	25.5	6.5		φ18		φ5	44	
LW28-20	□68.5	45	25.5	6.5		φ18		φ5	44	
LW28-20	□68.5	35.5	32.5	6.5		φ18		φ5	44	
LW28-20	□68.5	45	32.5	6.5		φ18		φ5	44	
LW28-25	□68.5	35.5	25.5	6.5		φ18		φ5	44	
LW28-25	□68.5	45	25.5	6.5		φ18		φ5	44	
LW28-25	□68.5	35.5	32.5	6.5		φ18		φ5	44	
LW28-25	□68.5	45	32.5	6.5		φ18		φ5	44	
LW28-32	□113	70.5	35.5	18	23.5	φ27	φ21	φ5	78	
LW28-63	□113	100.5	35.5	18	23.5	φ27	φ21	φ5	78	
LW28-125	148	92	45	22	25	φ30	φ21	φ5	107	48
LW28-160	148	152	45	22	25	φ30	φ21	φ5	107	48




Warning Light

1081 Warning Light $\Phi 80$


 Bulb/Revolving

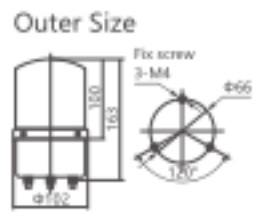
Outer Size 


Color 

Model	Voltage	Light power
LTE1081	DC12V	5W
LTE1081J	DC24V	
LTD1081	AC110V	
LTD1081J	AC220V	
LTD1081J	AC220V	

1101 Warning Light $\Phi 100$


 Bulb/Revolving

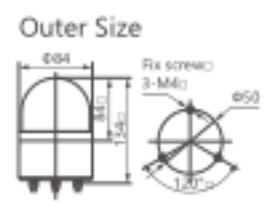
Outer Size 


Color 

Model	Voltage	Light power
LTE1101	DC12V	10W
LTE1101J	DC24V	
LTD1101	AC110V	
LTD1101J	AC220V	
LTD1101J	AC220V	

1082 Warning Light $\Phi 80$


 Bulb/Revolving

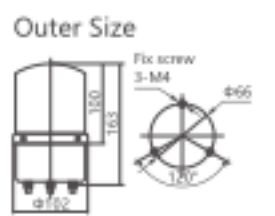
Outer Size 


Color 

Model	Voltage	Light power
LTE1082	DC12V	5W
LTE1082J	DC24V	
LTE1082J	AC110V AC220V	

5101 Warning Light $\Phi 100$


 LED/Strobe

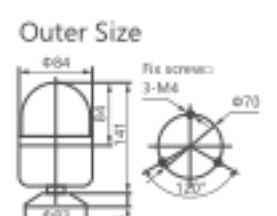
Outer Size 


Color 

Model	Voltage	Light power
LTE5101	DC12V	2W
LTE5101J	DC24V AC110V AC220V	

1083 Warning Light $\Phi 80$


 Bulb/Revolving

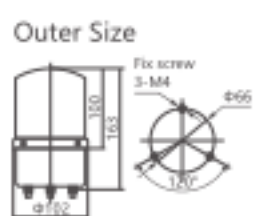
Outer Size 


Color 

Model	Voltage	Light power
LTE1083	DC12V DC24V AC110V AC220V	5W

1102 Warning Light $\Phi 100$


 Bulb/Revolving

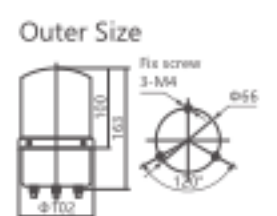
Outer Size 


Color 

Model	Voltage	Light power
LTE1102	DC12V	10W
LTE1102J	DC24V	
LTE1102J	AC110V AC220V	

5102 Warning Light $\Phi 100$

 LED/Strobe


Outer Size 

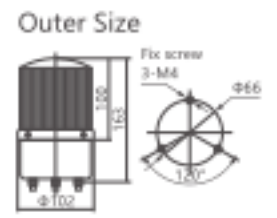
Color 


Model	Voltage	Light power
LTE5102	DC12V	2W
LTE5102J	DC24V AC110V AC220V	

Warning Light

1103 Warning Light $\Phi 100$


 Bulb/Revolving

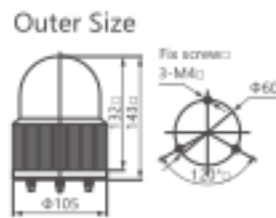
Outer Size 


Color 

Model	Voltage	Light power
LTE1103	DC12V	10W
LTE1103J	DC24V AC110V AC220V	

1105 Warning Light $\Phi 100$


 Bulb/Revolving

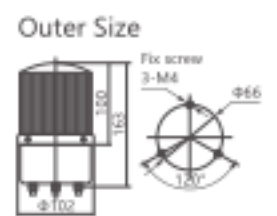
Outer Size 


Color 

Model	Voltage	Light power
LTE1105	DC12V	5W
LTE1105J	DC24V	
LTE1105J	AC110V AC220V	

5103 Warning Light $\Phi 100$


 LED/Strobe

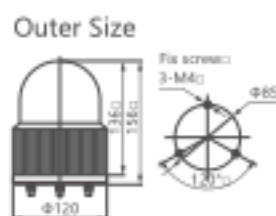
Outer Size 


Color 

Model	Voltage	Light power
LTE5103	DC12V	2W
LTE5103J	DC24V AC110V AC220V	

1122 Warning Light $\Phi 120$


 Bulb/Revolving

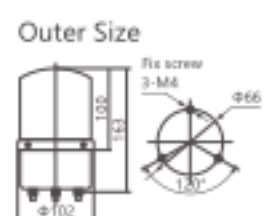
Outer Size 


Color 

Model	Voltage	Light power
LTE1122	DC12V	10W
LTE1122J	DC24V AC110V AC220V	

1104 Warning Light $\Phi 100$


 Bulb/Revolving

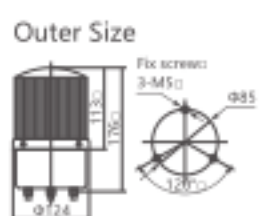
Outer Size 


Color 

Model	Voltage	Light power
LTE1104	DC12V	10W
LTE1104J	DC24V AC110V AC220V	

1121 Warning Light $\Phi 120$


 Bulb/Revolving

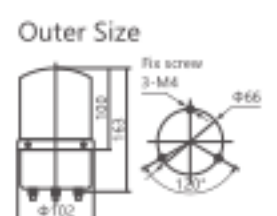
Outer Size 


Color 

Model	Voltage	Light power
LTE1121	DC12V	10W
LTE1121J	DC24V	
LTD1121	AC110V	
LTD1121J	AC220V	

5104 Warning Light $\Phi 100$


 LED/Strobe

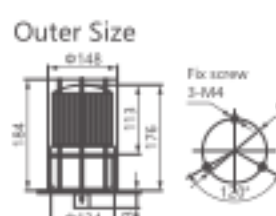
Outer Size 


Color 

Model	Voltage	Light power
LTE5104	DC12V	2W
LTE5104J	DC24V AC110V AC220V	

1121 Warning Light $\Phi 120$

 Bulb/Revolving


Outer Size 

Color 

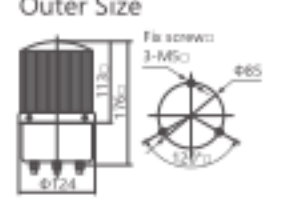
Model	Voltage	Light power
LTG1121S	DC12V	10W
LTG1121S	DC24V	
LTG1121S	AC110V	
LTG1121S	AC220V	

Warning Light

5121 Warning Light $\Phi 120$

 LED/Strobe

Outer Size




Color

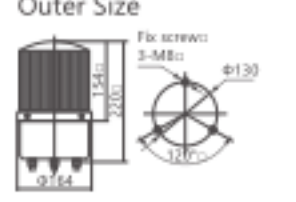
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE5121	DC12V DC24V	2W
LTE5121J	AC110V AC220V	

5161 Warning Light $\Phi 160$

 LED/Strobe

Outer Size




Color

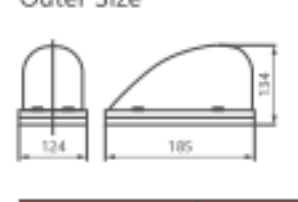
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE5161	DC12V DC24V	3W
LTD5161	AC110V AC220V	

1201 Warning Light

 Bulb/Revolving

Outer Size




Color

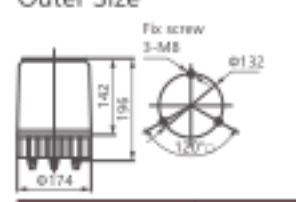
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTD1201	DC12V DC24V	23W

1181 Warning Light $\Phi 180$

 Bulb/Revolving

Outer Size




Color

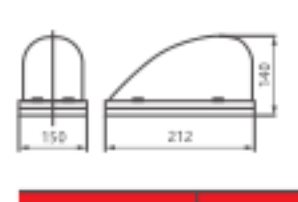
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE1181	DC12V DC24V	35W
LTD1181	AC110V AC220V	

1201J Warning Light

 Bulb/Revolving

Outer Size




Color

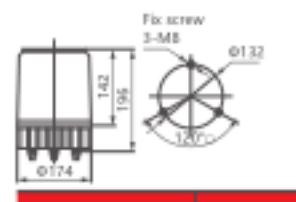
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTD1201J	DC12V DC24V	23W

5181 Warning Light $\Phi 180$

 LED/Strobe

Outer Size




Color

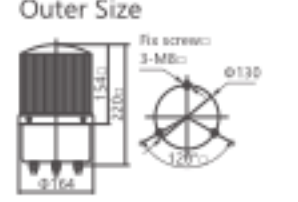
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE5181	DC12V DC24V	3W
LTD5181	AC110V AC220V	

1161 Warning Light $\Phi 160$

 Bulb/Revolving

Outer Size




Color

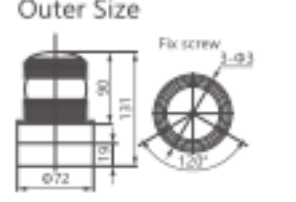
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE1161	DC12V DC24V	35W
LTD1161	AC110V AC220V	

5072 Flash Beacon $\Phi 70$

 Bulb/Flashing

Outer Size




Color

- Red
- Yellow
- Green
- Blue

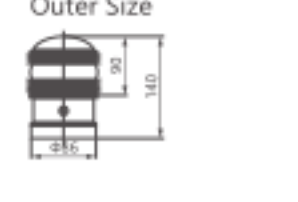
Model	Voltage	Light power
LTD5072	DC6V	2W

Warning Light

5088 Flash Beacon $\Phi 80$

 Bulb/Flashing

Outer Size




Color

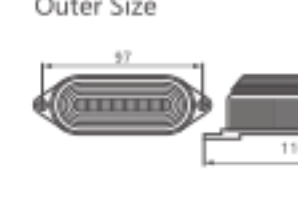
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTD5088	DC6V	2W

3051 Strobe Beacon

 LED/Flashing

Outer Size




Color

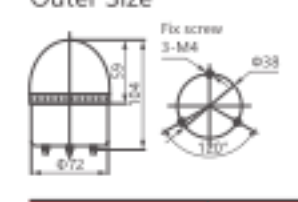
- Red
- Yellow
- Green
- Blue
- White

Model	Voltage	Light power
LED3051	DC12V DC24V AC220V	2W

2071 Flash Beacon $\Phi 70$

 Bulb/Flashing

Outer Size




Color

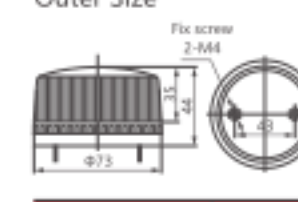
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE2071	DC12V DC24V	15W
LTD2071	AC220V	

3071 Strobe Beacon $\Phi 70$

 Xenon Strobe

Outer Size




Color

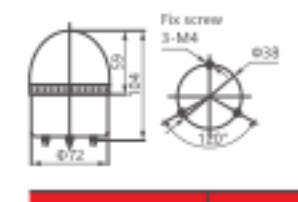
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE3071	DC12V DC24V AC220V	10W

5071 Flash Beacon $\Phi 70$

 Bulb/Flashing

Outer Size




Color

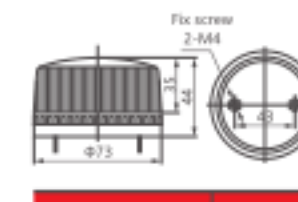
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE5071	DC12V DC24V	2W
LTD5071	AC220V	

3071 Strobe Beacon

 LED/Flashing

Outer Size




Color

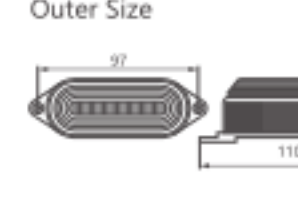
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LED3071	DC12V DC24V AC220V	2W

3051 Strobe Beacon

 Xenon Strobe

Outer Size




Color

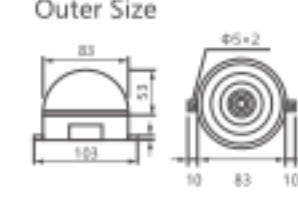
- Red
- Yellow
- Green
- Blue
- White

Model	Voltage	Light power
LTE3051	DC12V DC24V AC220V	10W

3072 Strobe Beacon $\Phi 80$

 Xenon Strobe

Outer Size



Color


- Red
- Yellow
- Green
- Blue
- White

Model	Voltage	Light power
LTE3072	DC12V DC24V AC220V	10W

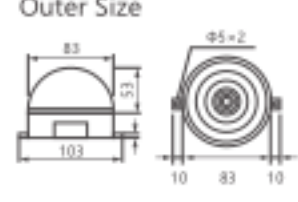
Warning Light

3072 Strobe Beacon $\Phi 80$

LED/Flashing



Outer Size




Color

- Red
- Yellow
- Green
- Blue
- White

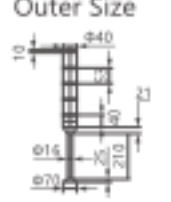
Model	Voltage	Light power
LED3072	DC12V DC24V AC220V	2W

204 Signal Tower $\Phi 40$

Bulb Steady Burn Flashing



Outer Size




Color

- Red
- Yellow
- Green
- Blue

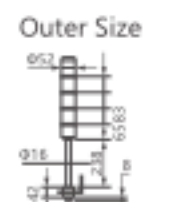
Model	Voltage	Light power	Function
LTA204-1	DC12V DC24V	3W	T-Steady burn W-Flash J-With buzzer
LTA204-2		6W	
LTA204-3		9W	
LTA204-4		12W	

205 Signal Tower $\Phi 52$

Bulb Steady Burn Flashing



Outer Size



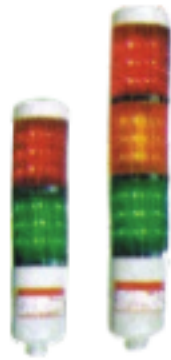
Color

- Red
- Yellow
- Green
- Blue
- White


Model	Voltage	Light power	Function
LTA205-1	DC12V DC24V AC110V AC220V	5W	T-Steady burn W-Flash J-With buzzer
LTA205-2		10W	
LTA205-3		15W	
LTA205-4		20W	
LTA205-5		25W	

505 Signal Tower $\Phi 52$

Bulb Steady Burn Flashing



Outer Size


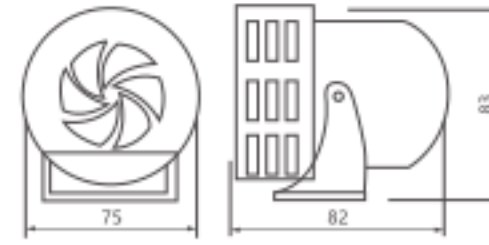


Color

- Red
- Yellow
- Green
- Blue
- White


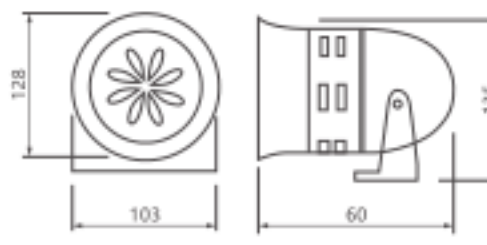
Model	Voltage	Light power	Function
LTA505-1	DC12V DC24V AC110V AC220V	2W	T-Steady burn W-Flash J-With buzzer
LTA505-2		4W	
LTA505-3		6W	
LTA505-4		8W	
LTA505-5		10W	

MS-190 Mini Motor Siren


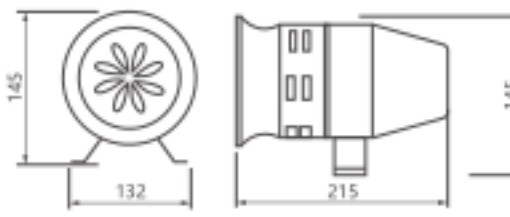
Voltage: DC12V, 24V, AC110V, 220V

MS-290 Motor Siren

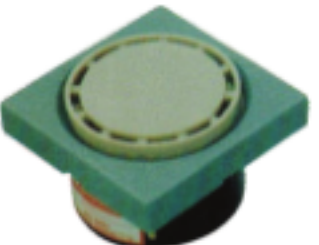
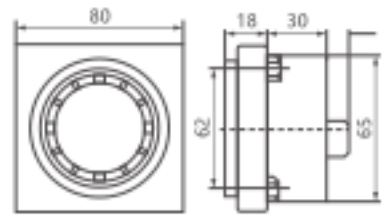
Voltage: DC12V, 24V, AC110V, 220V

MS-390 Motor Siren

Voltage: DC12V, 24V, AC110V, 220V


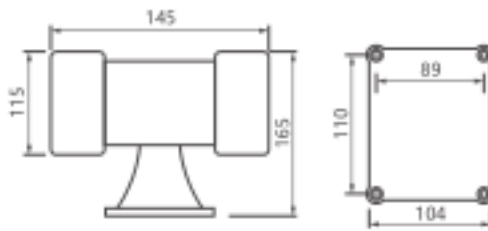
HRB-P80 Buzzer

Voltage: DC12V, 24V, AC110V, 220V


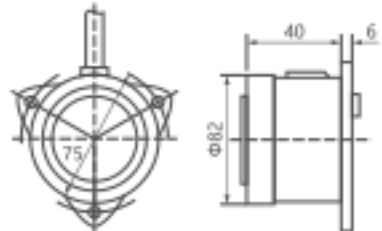
Siren & Buzzer

MS-490 Double Motor Siren


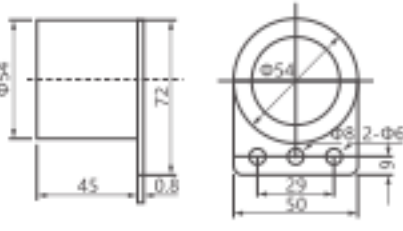
Voltage: AC110V, 230V

HRB-N80 Buzzer


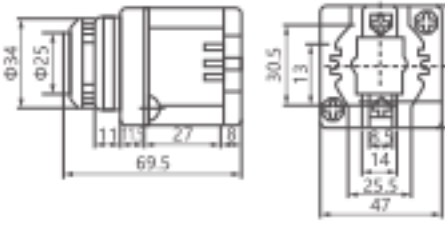
Voltage: DC12V, 24V, AC110V, 220V

BJ-1 Buzzer

Voltage: DC6V, 12V, 24V, AC110V, 220V

HPB-PS30 Buzzer

Voltage: DC12V, 24V, AC110V, 220V

WB electric bell



Model	Size	Voltage	Diz (mm)
WB-4"	4	DC6V DC12V DC24V AC110V	100
WB-6"	6	AC120V AC130V AC220V	150
WB-8"	8	AC230V AC240V	200
WB-10"	10		250

UC4 electric bell



Model	Size	Voltage	Diz (mm)
UC4-55MM	2	DC6V	$\Phi 55$
UC4-75MM	3	DC12V DC24V	$\Phi 75$
UC4-100MM	4	AC110V	$\Phi 100$
UC4-150MM	6	AC120V	$\Phi 150$
UC4-200MM	8	AC130V AC220V	$\Phi 200$
UC4-250MM	10	AC230V	$\Phi 250$
UC4-300MM	12	AC240V	$\Phi 300$

SCF electric bell



Model	Size	Voltage	Diz (mm)
SCF-75MM	3	AC110V AC120V AC130V AC220V AC230V AC240V	$\Phi 75$
SCF-100MM	4		$\Phi 100$
SCF-125MM	5		$\Phi 125$
SCF-150MM	6		$\Phi 150$
SCF-200MM	8		$\Phi 200$
SCF-250MM	10		$\Phi 250$
SCF-300MM	12		$\Phi 300$