

Industrial Equipment & Switches

Push-button switch



Page E01
LAY5



Page E11
LAY4



Page E14
XB5



Page E17
COB



Page E17
COB

Indicator light



Page E18
AD22



Page E21
AD16



Page E23
BD8070

Digital display indicator



Page E24
AD16



Page E28
YCGB

Limit switch



Page E32
XCK-M



Page E34
XCK-J



Page E41
XCK-P



Page E43
XCK-T



Page E40
XCK-S



Page E43
ME



Page E45
MEA



Page E47
HL



Page E49
WL

Industrial Equipment & Switches

Micro switch



Page E47
Z-15



Page E56
D4MC



Page E57
AZ



Page E59
V-15

Pedal switch



Page E61



Page E63
LW28



Page E65
LW26



Page E67
EP



Page E69
CS-68

Padlock type power cut off switch



Page E70
LW28GS
Padlock Type Power
Cut Off Switch



Page E70
LW26GS
Padlock Type Power
Cut Off Switch



Page E72
D11-3P/4P
Power Off the
Combination Switch

Sealed type power cut off switch



Page E74
LW28, YCD12
(IP54) (IP65)

Warning light



Page E77
Warning Light

Siren & buzzer


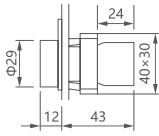

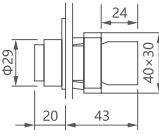



Page E82
Siren & Buzzer

Industrial Equipment & Switches

LAY5 Push-button Switch

Button switch

	Elucidation	Color	Contact type		Model	Weight	Size
			NO	NC			
 <p>LAY5-BA..</p>	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	
 <p>LAY5-BL..</p>	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	
		 <p>LAY5-BP..</p>	Button with waterproof button	Black	1	-	
Green	1			-	LAY5-BP31	0.0572	
Yellow	1			-	LAY5-BP51	0.0572	
Blue	1			-	LAY5-BP61	0.0572	
Red	-			1	LAY5-BP42	0.0592	
Green	1			1	LAY5-BP35	0.0706	
Red	1			1	LAY5-BP45	0.0706	


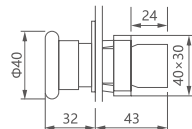

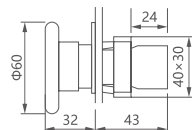

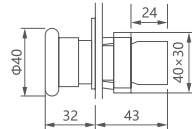

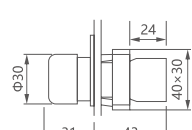

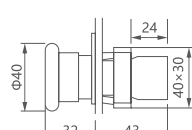

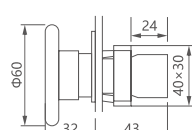

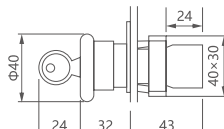
Button with sign and self-locking button

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

Industrial Equipment & Switches

LAY5 Push-button Switch



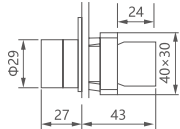



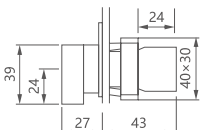



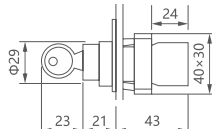

Mushroom head emergency stop button

	Elucidation	Color	Contact type		Model	Weight	Size
			NO	NC			
 <p>LAY5-BC..</p>	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	
 <p>LAY5-BR..</p>	Φ60mm Mushroom head button	Black	1	-	LAY5-BR21	0.0901	
		Green	1	-	LAY5-BR31	0.0901	
		Red	-	1	LAY5-BR42	0.0901	
		Green	1	1	LAY5-BR35	0.0985	
		Red	1	1	LAY5-BR45	0.0985	
 <p>LAY5-BT..</p>	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	
 <p>LAY5-BT..</p>	Emergency stop push button	Φ30	-	1	LAY5-BS442	0.0767	
		Φ30	1	1	LAY5-BS445	0.0781	
 <p>LAY5-BS..</p>	Emergency stop push button	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	
 <p>LAY5-BS..</p>	Emergency stop push button	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	
 <p>LAY5-BS..</p>	Emergency stop push button with key	Φ40	-	1	LAY5-BS142	0.1097	
		Φ40	1	1	LAY5-BS145	0.1235	
		Φ40	1	1	LAY5-BS9445	0.1235	


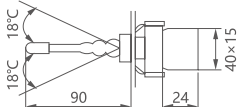


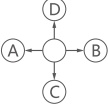



LAY5 Push-button Switch

Selector switch

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

Cross main command 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	



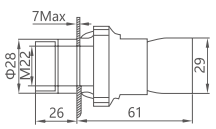

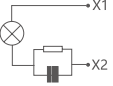
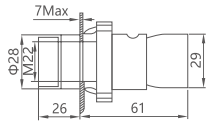

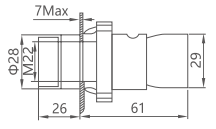
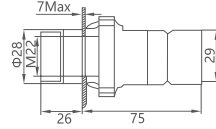
Industrial Equipment & Switches

LAY5 Push-button Switch



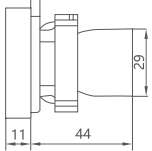


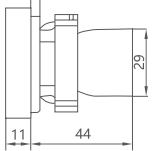

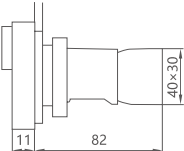
Selector switch with light

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

Push button switch with light

 LAY5-BW..	The direct type		NO	NC	Model	Weight	
						(kg)	
 LAY5-BZ..	RC type		White	-	LAY5-BW3161	0.0769	
			Green	-	LAY5-BW3361	0.0799	
			Red	1	LAY5-BW3462	0.0769	
			Yellow	-	LAY5-BW3561	0.0769	
			Blue	-	LAY5-BW3661	0.0769	
	Lamp stop		White	-	LAY5-BW3171	0.0832	
			Green	-	LAY5-BW3371	0.0832	
			Red	1	LAY5-BW3472	0.0832	
			Yellow	-	LAY5-BW3571	0.0832	
			Blue	-	LAY5-BW3671	0.0382	
			White	-	LAY5-BZ3161	0.0982	
			Green	-	LAY5-BZ3361	0.0982	
			Red	1	LAY5-BZ3462	0.0982	
			Yellow	-	LAY5-BZ3561	0.0982	
			Blue	-	LAY5-BZ3661	0.0982	


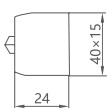

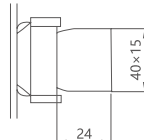
Double key button switch

 LAY5-BL..	Double key button switch		NO	NC	Model	Weight		
						(kg)		
 LAY5-BW..			1	1	LAY5-BL8325	0.0721		
			1	1	LAY5-BL8425	0.0721		
	Double key square head light button switch			1	1	LAY5-BW8365	0.0986	
				1	1	LAY5-BW8465	0.0986	


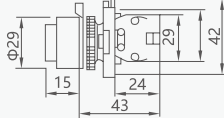

Industrial Equipment & Switches

LAY5 Push-button Switch

Accessories of the button

	Elucidation	Contact type		Model	Weight (kg)	Size
		NO	NC			
 <p>LAY5-BE..</p>	Auxiliary/Replaceable contact. Spiral pressing electronic	1	-	LAY5-BE101		
		-	1	LAY5-BE102		
 <p>LAY5-BZ..</p>	The base with 1/2 contact module is for button, 2-bit selector switch and key switch	1	-	LAY5-BZ101		
		-	1	LAY5-BZ102		
		2	-	LAY5-BZ103		
		-	2	LAY5-BZ104		
		1	1	LAY5-BZ105		

Cross main command switch

	Elucidation	Contact type		Model	Weight	Size	
		NO	NC				
 <p>LAY5-EA..</p>	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	
 <p>LAY5-EL..</p>	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	
		 <p>LAY5-EP..</p>	Push button with waterproof	Black	1	-	
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	



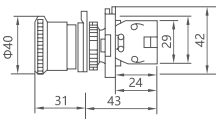








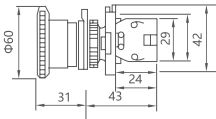




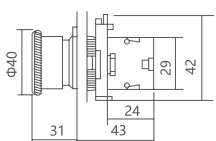

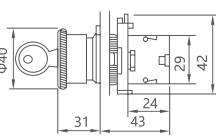
Industrial Equipment & Switches

LAY5 Push-button Switch

Button with sign

	Elucidation	Color	Contact type		Model	Weight (kg)	Size
			NO	NC			
 <p>LAY5-EA..</p>	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	

Mushroom head emergency stop button


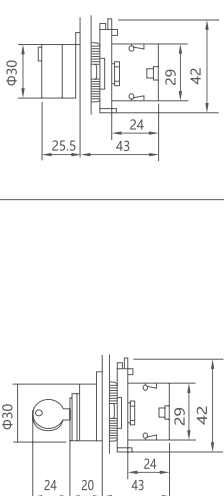

 <p>LAY5-EC..</p>	Φ40mm Mushroom head button	 Black	1	-	LAY5-EC21	0.0500	
		 Green	1	-	LAY5-EC31	0.0500	
		 Yellow	1	-	LAY5-EC51	0.0500	
		 Blue	1	-	LAY5-EC61	0.0500	
		 Red	-	1	LAY5-EC42	0.0505	
		 Green	1	1	LAY5-EC35	0.0641	
		 Red	1	1	LAY5-EC45	0.0641	
 <p>LAY5-ES..</p>	Φ60mm Mushroom head button	 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	
 <p>LAY5-ES..</p>	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	
 <p>LAY5-ES..</p>	Emergency stop switch with key	Φ40	-	1	LAY5-ES142	0.0800	
		Φ40	1	1	LAY5-ES145	0.0912	





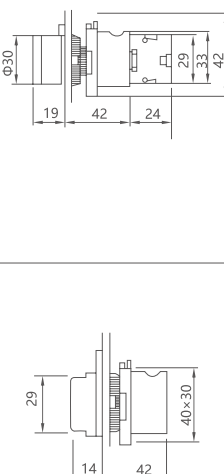
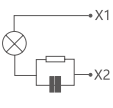


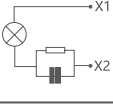
Industrial Equipment & Switches

LAY5 Push-button Switch

Selector switch

	Elucidation	Color	Contact type		Model	Weight (kg)	Size
			NO	NC			
 <p>LAY5-ED..</p>	2 position maintain	V	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	V	2	-	LAY5-ED33	0.0511	
3 position self-return	∩	2	-	LAY5-ED53	0.0511		
 <p>LAY5-EG..</p>	2 position maintain key switch	V	1	-	LAY5-EG21	0.0599	
			1	1	LAY5-EG25	0.0731	
		∩	1	-	LAY5-EG41	0.0599	
			1	1	LAY5-EG45	0.0731	
			1	-	LAY5-EG61	0.0599	
	3 position maintain key switch	V	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	


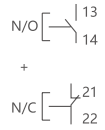

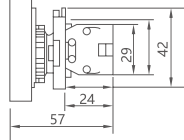




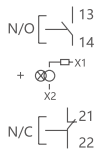

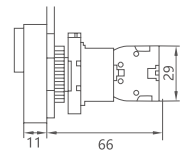



The spring type button with light

	Direct	Color	Contact type		Model	Weight (kg)	Size
			NO	NC			
 <p>LAY5-EW..</p>		Green	1	-	LAY5-EW3361	0.0583	
		Red	-	1	LAY5-EW3462	0.0527	
		Yellow	1	-	LAY5-EW3561	0.0583	
		Blue	1	-	LAY5-EW3661	0.0583	
		Green	1	-	LAY5-EW3371	0.0583	
		Red	1	-	LAY5-EW3471	0.0583	
		Blue	1	-	LAY5-EW3671	0.0583	
 <p>LAY5-EV..</p>		Green			LAY5-EV63	0.0616	
		Red			LAY5-EV64	0.0388	
		Yellow			LAY5-EV65	0.0388	
		Blue			LAY5-EV66	0.0388	
		Green			LAY5-EV73	0.0750	
		Red			LAY5-EV74	0.0750	
		Yellow			LAY5-EV75	0.0750	
		Blue			LAY5-EV76	0.0750	


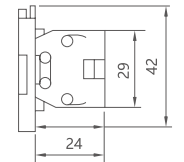
Industrial Equipment & Switches

LAY5 Push-button Switch



Double key button switch

	Elucidation	Color	Contact type		Model	Weight (kg)	Size
			NO	NC			
 <p>LAY5-EL8..</p>	Double key button switch 	IP40 			LAY5-EL8325	0.0485	
		IP40 			LAY5-EL8325	0.0497	
	IP40 				LAY5-EL8325	0.0485	
	IP40 				LAY5-EL8325	0.0485	
 <p>LAY5-EW8..</p>	Double key square head light/button direct type 	IP40 			LAY5-EL8325	0.0485	
		IP40 				LAY5-BK2565	
	IP40 				LAY5-BK2565	0.0497	
	IP40 				LAY5-BK2565	0.0497	

Accessories of the button

 <p>LAY5-EZ..</p>	The base with 1/2 contact module is for button, 2-bit selector 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 type button

 <p>LAY5-EA..</p>	The spring 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	

Industrial Equipment & Switches

LAY5 Push-button Switch

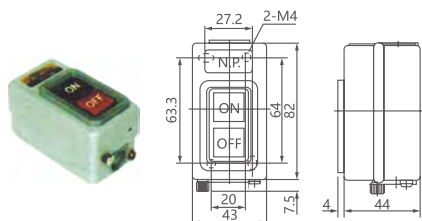
Button switch box

	Type	Configuration	Mark
	LAY5-B101H29	Green flat button, 1NO	Sign mark: START
	LAY5-B102	Green flat button, 1NO	Switch mark: I
	LAY5-B103	Green flat button, 1NO	Switch mark: START
	LAY5-B111H29	Red flat button, 1NC	Sign mark: STOP
	LAY5-B112	Red flat button, 1NC	Switch mark: ○
	LAY5-J174	Red Φ 40 mushroom auto-locking, turn	
	LAY5-B211H29	Green flat button, 1NO; Red flat button, 1NO	Sign mark: START,STOP
	LAY5-B213	Green flat button, 1NO; Red flat button, 1NO	Switch mark: I ○
	LAY5-B215	Green flat button, 1NO; Red flat button, 1NO	Switch mark: START,STOP
	LAY5-B222	White flat button, 1NO; Black flat button, 1NO	Sign mark: ↑ ↓
	LAY5-B341H29	Green flat button, 1NO; Red flat button, 1NC; Green flat button, 1NO	Switch mark: FORWRD, STOR, REVERSE
	LAY5-B339	Green flat button, 1NO; Red flat button, 1NC; Green flat button, 1NO	Switch mark: OPEN, STOP, CLOSE
	LAY5-B324	Green flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: I ○ II
	LAY5-B334	White flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: ↑ ○ ↓
	LAY5-B311H29	White flat button, 1NO; Red flat button, 1NC; Black flat button, 1NO	Switch mark: → ○ ←

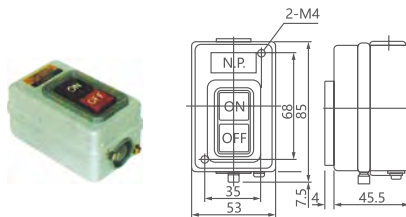
E

Industrial Equipment & Switches

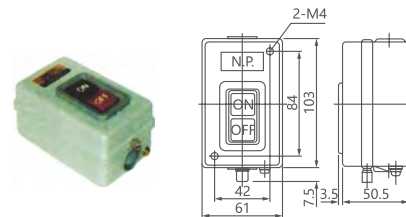
LAY5 Push-button Switch



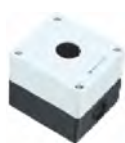
BS216



BS230



BS211



Button box for single hole
IP40
φ22, φ25

LAY5-BOX1



Button box for two holes
IP40
φ22, φ25

LAY5-BOX2



Button box for three holes
IP40
φ22, φ25

LAY5-BOX3



Button box for four holes
IP40
φ22, φ25

LAY5-BOX4



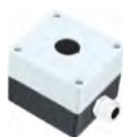
Button box for five holes
IP40
φ22, φ25

LAY5-BOX5



Button box for six holes
IP40
φ22, φ25

LAY5-BOX6



Button box for single hole
IP40/54
φ22, φ25

LAY5-BP04



Button box for two holes
IP40/54
φ22, φ25

LAY5-BP02



Button box for three holes
IP40/54
φ22, φ25

LAY5-BP03



Button box for five holes
IP40/54
φ22, φ25

LAY5-BP05



Button box for six holes
IP40/54
φ22, φ25

LAY5-BP06




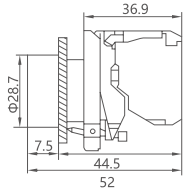

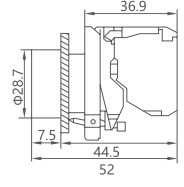

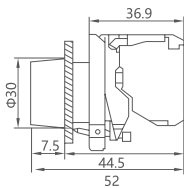

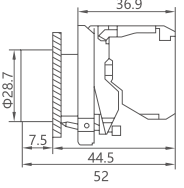

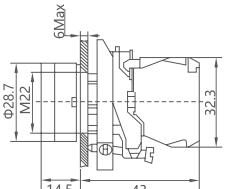
Button box for four holes
IP40/54
φ22, φ25

LAY5-BP04



LAY4 Push-button Switch



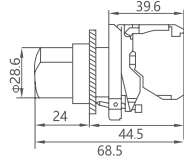







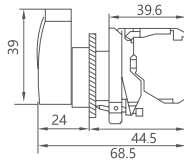







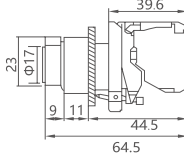








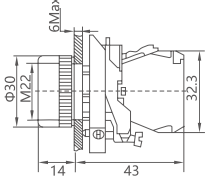







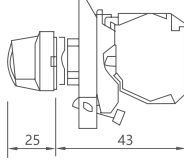


















Button switch

	Elucidation	Color	Contact type		Model	Weight	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	
		Black	-	1	LAY4-BA42	0.0684	
		Red	1	1	LAY4-BA25	0.0774	
		Green	1	1	LAY4-BA35	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	Green	1	-	LAY4-BA3311	0.0589	
		Green	1	-	LAY4-BA3341	0.0589	
		Green	1	-	LAY4-BA3351	0.0589	
		Red	-	1	LAY4-BA4322	0.0590	
		Red	-	1	LAY4-BA4342	0.0590	
		Red	1	1	LAY4-BA4325	0.068	
		Red	1	1	LAY4-BA4345	0.068	
 <p>LAY4-BW3....</p>	Push button with light (include LED) ≤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	

Industrial Equipment & Switches

LAY4 Push-button Switch


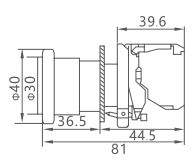

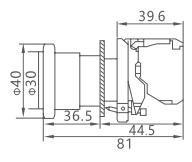

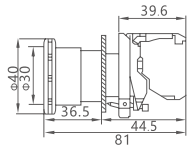

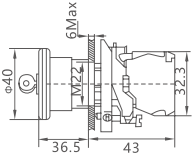
Selector switch

	Elucidation	Color	Contact type		Model	Weight	Size
			NO	NC			
	2 position switch		1	-	LAY4-BD21	0.083	
			1	1	LAY4-BD25	0.0925	
	3 position switch		1	-	LAY4-BD41	0.083	
			1	1	LAY4-BD45	0.0925	
			2	-	LAY4-BD33	0.0925	
			2	-	LAY4-BD53	0.0925	
	2 position switch with long handle		1	-	LAY4-BJ21	0.083	
			1	1	LAY4-BJ25	0.0925	
			1	1	LAY4-BJ45	0.0925	
	3 position switch		1	-	LAY4-BJ33	0.0925	
			1	1	LAY4-BJ53	0.0925	
			1	-	LAY4-BJ73	0.0925	
	2 position switch with key		1	1	LAY4-BG21	0.106	
			2	-	LAY4-BG25	0.1154	
			2	-	LAY4-BG41	0.106	
			2	-	LAY4-BG45	0.1154	
			1	-	LAY4-BG61	0.106	
		1	1	LAY4-BG65	0.1154		
3 position switch with key		1	-	LAY4-BG33	0.1154		
	Push button with light (include LED) ≤220V	 White			LAY4-BV61	0.0639	
		 Green			LAY4-BV63	0.0639	
		 Red			LAY4-BV64	0.0639	
		 Yellow			LAY4-BV65	0.0639	
		 Blue			LAY4-BV66	0.0639	
	Push button with light (include LED) ≤220V B: AC/DC24V M: AC/DC220V	  Green	1	1	LAY4-BK123B5	0.105	
		  Red	1	1	LAY4-BK124B5	0.105	
		  Yellow	1	1	LAY4-BK125B5	0.105	
		  Green	1	1	LAY4-BK133M5	0.105	
		  Red	1	1	LAY4-BK134M5	0.105	
		  Yellow	1	1	LAY4-BK135M5	0.105	
		  Green	1	1	LAY4-BK153M5	0.105	
		  Red	1	1	LAY4-BK154M5	0.105	
		  Yellow	1	1	LAY4-BK155M5	0.105	
		  Red	1	1	LAY4-BK143M5	0.105	
3 Position switch with LED							



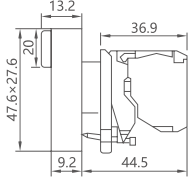



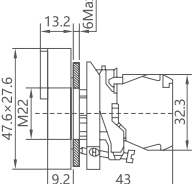



LAY4 Push-button Switch

Button switch

	Elucidation	Color	Contact type		Model	Weight	Size
			NO	NC			
 <p>LAY4-BC..</p>	Φ40mm Mushroom head button	Black	1	-	LAY4-BC21	0.116	
		Green	1	-	LAY4-BC31	0.116	
		Red	-	1	LAY4-BC42	0.116	
		Green	1	1	LAY4-BC35	0.1211	
		Red	1	1	LAY4-BC45	0.1211	
 <p>LAY4-BT..</p>	Push-pull button	Φ40	-	1	LAY4-BT42	0.12	
		Φ40	1	1	LAY4-BT45	0.12	
 <p>LAY4-BS..</p>	Emergency stop push button	Φ40	-	1	LAY4-BS542	0.105	
		Φ40	1	1	LAY4-BS545	0.1154	
 <p>LAY4-BS..</p>	Emergency stop push button with key	Φ40	1	-	LAY4-BS142	0.0800	
		Φ40	1	1	LAY4-BS145	0.0912	


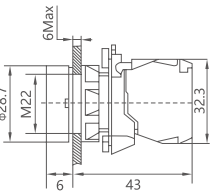

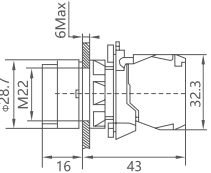
Double key button switch

 <p>LAY4-BL8...</p>	Double button		1	1	LAY4-BL8325		
					LAY4-BL8425		
 <p>LAY4-BW8...</p>	Double square head with light button/Direct type with LED		1	1	LAY4-BW8365	0.0450	
					LAY4-BW8465	0.0417	


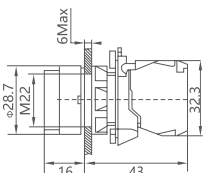

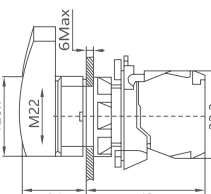
Industrial Equipment & Switches

XB5 Push-button Switch

Button switch

	Elucidation	Color	Contact type		Model	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..	push button	White	1	-	XB5-AL11	0.029	
		Black	1	-	XB5-AL21	0.029	
		Green	1	-	XB5-AL31	0.029	
		Yellow	1	-	XB5-AL51	0.029	
		Blue	1	-	XB5-AL61	0.029	
		Red	-	1	XB5-AL42	0.029	
		Green	1	1	XB5-AL35	0.040	
		Red	1	1	XB5-AL45	0.040	



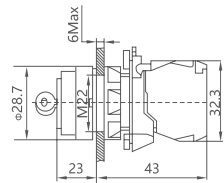



Selector switch

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





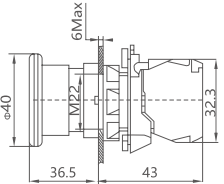






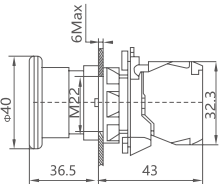

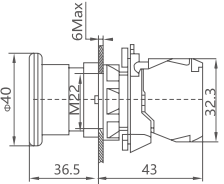

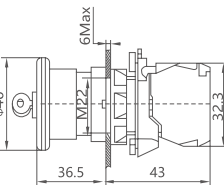
XB5 Push-button Switch and Indicator Light

Selector switch with key

	Elucidation	Color	Contact type		Model	Weight	Size	
			NO	NC				
 <p>XB5-AJ..</p>	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				


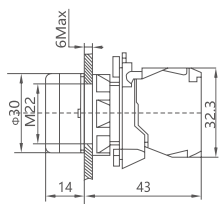

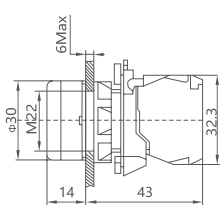


Mushroom head emergency stop button



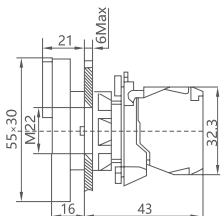





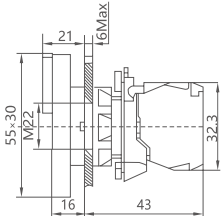

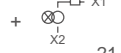


 <p>XB5-AC..</p>	Φ40mm Mushroom head button	 Black	1	-	XB5-AC21	0.050	
		 Green	1	-	XB5-AC31	0.050	
		 Yellow	1	-	XB5-AC51	0.050	
		 Red	-	1	XB5-AC42	0.050	
		 Green	1	1	XB5-AC35	0.061	
		 Red	1	1	XB5-AC45	0.061	
 <p>XB5-AS...</p>	Emergency stop switch	Φ40	-	1	XB5-AS542	0.045	
		Φ40	1	1	XB5-AS545	0.056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

XB5 Push-button Switch

Push button with light

	Elucidation	Color	Contact type	Model	Weight	Size
 <p>XB5-AW..</p>	Direct≤220V	White	NO NC	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	
 <p>XB5-AV..</p>		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

 <p>XB5-AL...</p>	Double key button switch	IP40 		XB5-AL8325	0.038	
	N/O  + N/C 	IP40 		XB5-AL8425	0.038	
 <p>XB5-AW...</p>	Double key square head button switch with light/ Direct type	IP40 		XB5-AW8465	0.051	
	N/O  +  N/C 	IP40 		XB5-AW8365	0.051	

COB Push-button Switch



COB-61



COB-62



COB-61A/COB-62
COB-62A/COB-63
COB-63A/COB-64



COB-64A

General

COB series is suitable for using in the circuit whose frequency is 50/60Hz, rated voltage is 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.

Operating conditions

1. Ambient temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$, average temperature $\leq+35^{\circ}\text{C}$ in 24h
2. Altitude $\leq 2000\text{m}$
3. Air condition: when temperature is up to 40°C , the humidity should be $\leq 50\%$, and higher humidity is allowed for lower temperature, for example, humidity would be 90% when temperature is $+20^{\circ}\text{C}$. When occasional condensation occurs due to temperature changes, special measures should be take.
4. Pollution degree :
5. Mounting type: Type II
6. No significant shake, shock and vibration
7. In the absence of explosive medium, where the medium should be not enough to corrode metal and damage the insulation.

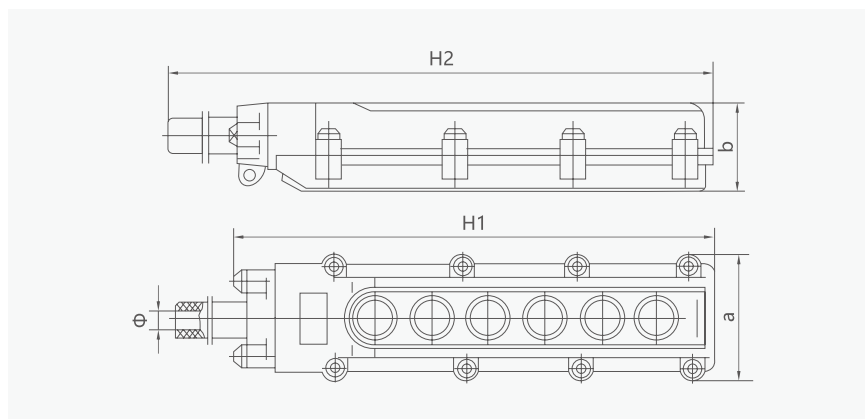
Technical data

Contact capacity


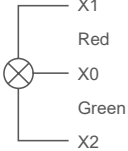
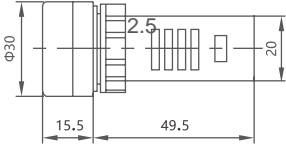

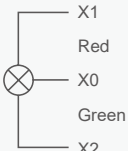
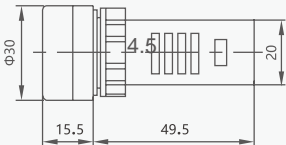

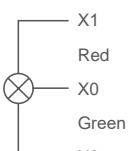
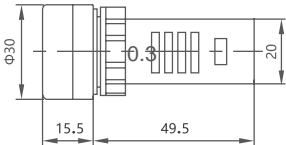

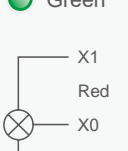
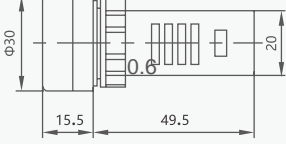
Using category	Rated working voltage $U_e(\text{V})$	Rated working current $I_e(\text{A})$
AC-15	380	2.5
	220	4.5
DC-13	220	0.3
	110	0.6

Overall and mounting dimensions(mm)

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





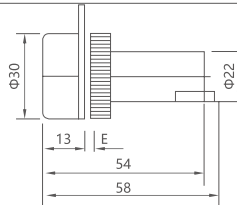






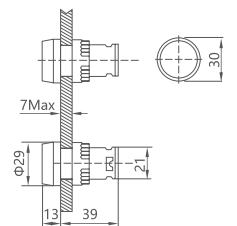






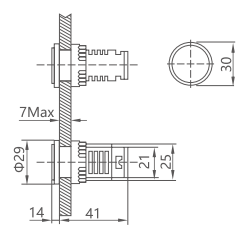






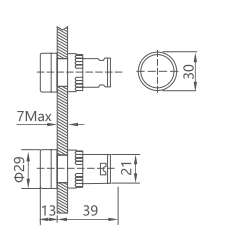






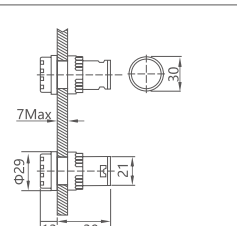






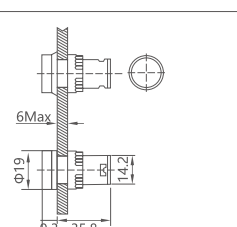




AD22 Indicator Light

	Elucidation	Model	Color	Data range	Size
	Grounding indicator	AD22-22W/N	<p>● Red</p> <p>● Green</p> 	<p>21-DC.AC 6V</p> <p>22-DC.AC 12V</p> <p>23-DC.AC 24V</p> <p>24-DC.AC 36V</p> <p>25-DC.AC 48V</p> <p>26-DC.AC 110V</p> <p>27-DC.AC 127V</p> <p>28-DC.220V</p> <p>29-FD.380V</p> <p>31-AC.220V</p> <p>32-AC.380V</p>	
	Isolation brake position indicator	AD22-22W/G	<p>● Red</p> <p>● Green</p> 	<p>21-DC.AC 6V</p> <p>22-DC.AC 12V</p> <p>23-DC.AC 24V</p> <p>24-DC.AC 36V</p> <p>25-DC.AC 48V</p> <p>26-DC.AC 110V</p> <p>27-DC.AC 127V</p> <p>28-DC.220V</p> <p>29-FD.380V</p> <p>31-AC.220V</p> <p>32-AC.380V</p>	
	Circuit breaker position indicator	AD22-22W/D	<p>● Red</p> <p>● Green</p> 	<p>21-DC.AC 6V</p> <p>22-DC.AC 12V</p> <p>23-DC.AC 24V</p> <p>24-DC.AC 36V</p> <p>25-DC.AC 48V</p> <p>26-DC.AC 110V</p> <p>27-DC.AC 127V</p> <p>28-DC.220V</p> <p>29-FD.380V</p> <p>31-AC.220V</p> <p>32-AC.380V</p>	
	Double color indicator light	AD22-22SS	<p>● Red</p> <p>● Green</p> 	<p>21-DC.AC 6V</p> <p>22-DC.AC 12V</p> <p>23-DC.AC 24V</p> <p>24-DC.AC 36V</p> <p>25-DC.AC 48V</p> <p>26-DC.AC 110V</p> <p>27-DC.AC 127V</p> <p>28-DC.220V</p> <p>29-FD.380V</p> <p>31-AC.220V</p> <p>32-AC.380V</p>	





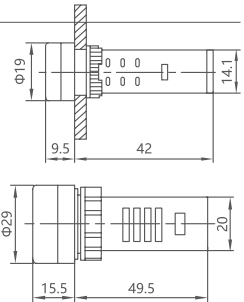







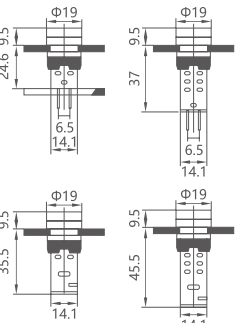






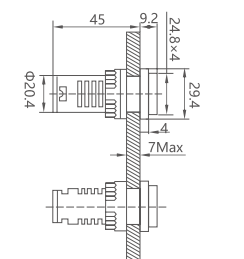






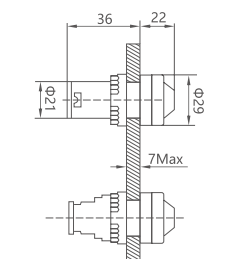






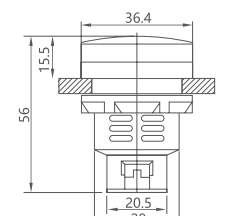




AD22 Indicator Light

Semi-conductor economy energy indicator (LED)

	Elucidation	Color	Model	Weight (kg)	Size
 <p>AD22-22AS</p>	Contain LED New type	 Green	AD22-22AS G	0.0193	
		 Red	AD22-22AS R	0.0193	
		 Yellow	AD22-22AS Y	0.0193	
		 Blue	AD22-22AS B	0.0193	
		 White	AD22-22AS W	0.0193	
 <p>AD22-22BS</p>	The LED electronics economy energy indicator Install size $\Phi 22$ (The LED has been preinstalled as one and cannot be split)	 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	0.0203	
 <p>AD22-22CS</p>	The LED electronics economy energy indicator Install size $\Phi 22$ (The LED has been preinstalled as one and cannot be split)	 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	
 <p>AD22-22DS</p>	The LED electronics economy energy indicator Install size $\Phi 22$ (The LED has been preinstalled as one and cannot be split)	 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	
 <p>AD22-22ES</p>	The LED electronics economy energy indicator Install size $\Phi 22$ (The LED has been preinstalled as one and cannot be split)	 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	
 <p>AD16-16DS</p>	The LED electronics economy energy indicator Install size $\Phi 16$ (The LED has been preinstalled as one and cannot be split)	 Green	AD16-16DS G	0.0182	
		 Red	AD16-16DS R	0.0182	
		 Yellow	AD16-16DS Y	0.0182	
		 Blue	AD16-16DS B	0.0182	
		 White	AD16-16DS W	0.0182	




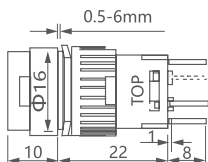
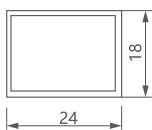





AD22 Indicator Light

Semi-conductor economy energy indicator (LED)



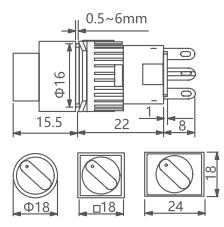


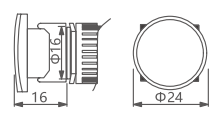


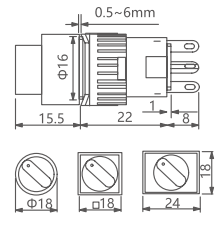









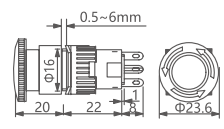

	Elucidation	Color	Model	Weight (kg)	Size
 <p>AD22-16SM AD22-22SM</p>	Φ16M type Buzzer	 Green	AD22-16SM	0.0024	
	Buzzer	 Red	AD22-22SM		
	Flash Buzzer	 Yellow	AD22-22SM		
	Flash Buzzer	 Blue	AD22-22SM		
	Flash Buzzer	 White	AD22-22SM		
Note: The color of AD16-22SM Buzzer is only  Black.					
 <p>AD22-16CS</p>	The LED electronics economy energy indicator Install size Φ16 (The LED has been preinstalled as one and cannot be split)	 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	
 <p>AD22-22F</p>	The LED electronics economy energy indicator Install size Φ22 (The LED has been preinstalled as one and cannot be split)	 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	
 <p>AD22-22HS</p>	The LED electronics economy energy indicator Install size Φ22 (The LED has been preinstalled as one and cannot be split)	 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	
 <p>AD22-30D</p>	The LED electronics economy energy indicator Install size Φ30 (The LED has been preinstalled as one and cannot be split)	 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	



AD16 Indicator Light

		Elucidation		Model	Color	Action type	Size
E		Indicator Φ16	Round Square Rectangle	AD16-YXD AD16-FXD AD16-JXD	<ul style="list-style-type: none"> ● White ● Green ● Red ● Yellow ○ Blue 	Indicator light	
		Push button switch Φ16	Round Square Rectangle	AD16-11Y AD16-22Y 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	AD16-11TY AD16-22TY AD16-11TF AD16-22TF AD16-11TJ AD16-22TJ	<ul style="list-style-type: none"> ● White ● Green ● Red ● Yellow ○ Blue 	Self-locking	   
	  	Push button switch with light Φ16 Self-locking button with light Φ16	Round Square Rectangle Round Square Rectangle	AD16-11YD AD16-22YD AD16-11FD AD16-22FD AD16-11JD AD16-22JD AD16-11TYD AD16-22TYD AD16-11TFD AD16-22TFD AD16-11TJD AD16-22TJD	<ul style="list-style-type: none"> ● White ● Green ● Red ● Yellow ○ Blue 	Push button with light Self-locking with light	

AD16 Indicator Light

Elucidation		Model	Color	Action type	Size	
	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	AD16-11Y/2		2 key All keys generic Protection degree IP40 	
		2 position	AD16-22Y/2			
	3 position	AD16-22Y/3				
	Square key push button switch Φ16	2 position	AD16-11FY/2	● Black		
		2 position	AD16-22FY/2			
	3 position	AD16-22FY/3				
	Rectangle key push button switch Φ16	2 position	AD16-11JY/2			
		2 position	AD16-22JY/2			
3 position		AD16-22JY/3				
	Push button switch with light Φ16 Round Square Rectangle	AD16-11ZS	● Green ● Red		Auto-locking type	
		AD16-22ZS				
	Buzzer Φ16	AD16-Y-B	● Black	-	Normal <24V	
		AD16-F-B		-		
		AD16-J-B		-		



BD8070 Series Explosion-proof Indicator Light



General

The BD8070 series accessories are designed to be used in conjunction with increased safety enclosures, forming a structurally complete explosion-proof product. These accessories should not be used independently in explosive environments and are suitable for explosion-proof distribution, control, and starting products in production.

Type designation

BD8070 AC220V/380V IP66

Model	Voltage	Water proof rating
BD8070	AC220V/380V	IP66
/	/	/

Use environment

- Environmental temperature: -40°C to +60°C
- Operating temperature: -40°C to +100°C
- Protection degree: IP66

Technical data


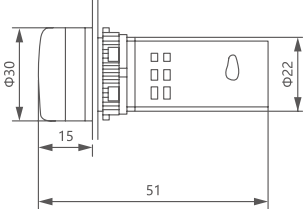

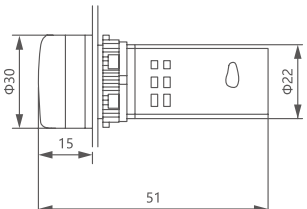

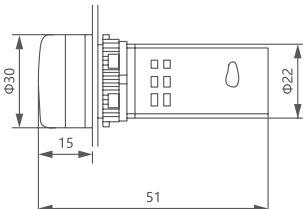

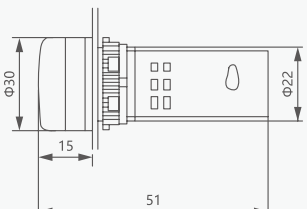
- Explosion protection marking: Ex db eb IIC Gb;Ex tb IIIC Db
- Voltage: AC/DC12V,24V,36V,110V,220V,AC220-380V
- Color codes: R for red, G for green, Y for yellow, W for white, B for blue

Overall and mounting dimensions




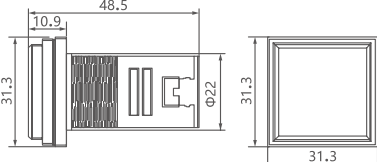

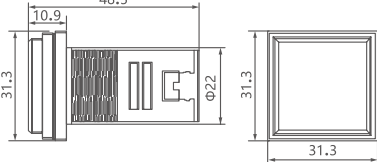

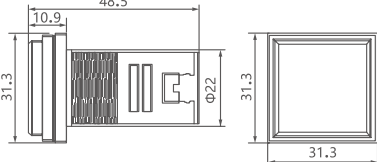

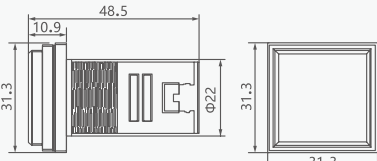
Industrial Equipment & Switches

AD16 Digital Display Indicator

	Elucidation	Model	Color	Date range	Size
	Indicator Voltmeter	AD16-22DV	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	AC20~500V	
	Indicator Ammeter	AD16-22DA	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	0~100A Max AC380	
	Indicator Frequency Meter	AD16-22DHZ	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	0~99Hz	
	Indicator Thermometer	AD16-22DT	<ul style="list-style-type: none"> ○ White ○ Green ○ Red ○ Yellow ○ Blue 	-20°C~+199°C	




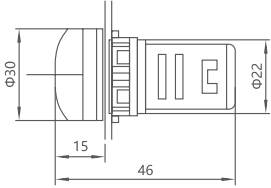

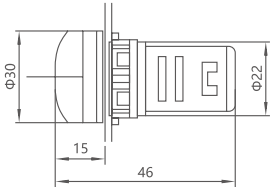

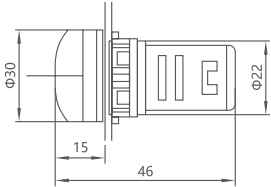

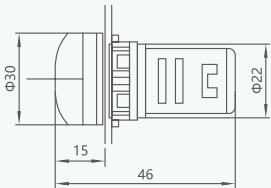
AD16 Digital Display Indicator

	Elucidation	Model	Color	Date range	Size
	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	

E

Industrial Equipment & Switches


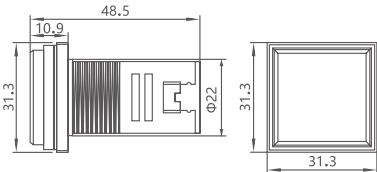

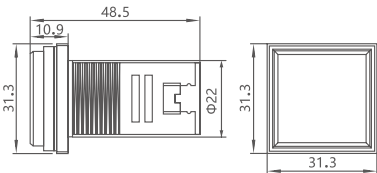

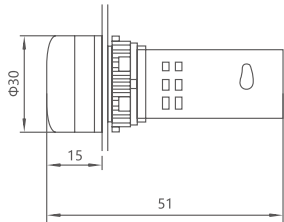

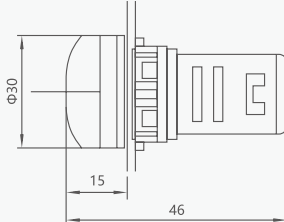
AD16 Digital Display Indicator

	Elucidation	Model	Color	Date range	Size
	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	



Industrial Equipment & Switches

AD16 Digital Display Indicator

	Elucidation	Model	Color	Date range	Size
	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	

E

YCGB Series Metal Buttons



General

The YCGB series metal buttons are suitable for industrial control, instruments and meters, and household appliances with an operating frequency of 50Hz (60Hz) for AC voltages up to 220V and DC voltages up to 220V. They are used for controlling electrical circuits such as contactors, relays, and other signal circuits. Buttons with indicator lights are also suitable for light signal indication scenarios.

Standard: IEC 60947-5-1.

Type designation

YCGB - □ □ □ □ □ □ □

Series number	Installation dimension	Header type	Number of contacts
YCGB	□	□	□
YCGB	/	P: Flat head button Q: Ball head button G: High head button Y: Key button J: Emergency stop button X: Rotary button CJ: Connector Plug	10: 1NO 11: 1NO+1NC Note: Some products can be customized 1NC
With indicator light	Operating method	Color code	Part with light
□	□	□	□
E: Ring light Note: Signs can be customized DT: Power sign with light EDT: Power ring sign with light	Z: Self-locking Note: No annotation indicates self-resetting."	W: white R: red G: green Y: yellow S: blue	Voltage code

Note: Wiring method - J indicates terminal connection, no annotation indicates soldering foot.

Operating conditions

- Operating Temperature: -25°C to +55°C (no freezing); adequate air circulation around the light switch body is necessary.
- Operating Environment Humidity: 45-85% RH (no condensation).
- Contact Resistance: ≤50mΩ
- Insulation Resistance: ≥1000mΩ
- Maximum Voltage Resistance: 2500V, AC 50Hz, for 5 seconds.
- Vibration Resistance: 50Hz, amplitude approximately 12mm.
- Shock Resistance: Greater than 10g.
- Soldering Heat Resistance: Not exceeding 2 seconds at 320°C (or 30-watt soldering iron).
- Protection Degree: IP65



Industrial Equipment & Switches

YCGB Series Metal Buttons

Technical data

Rated insulation voltage(Ui)			250V			
Ith Heating current			3A Current allowed when temperature does not exceed maximum rated value			
Rated voltage(Ue)			12V	24V	110V	220V
Operating current (In)	AC50/60Hz	AC-12 Resistive load and semiconductor load control	-	-	5A	3A
		AC-15 Electromagnetic load control (>72VA)	-	-	3A	2A
	DC	DC-12 Resistive load and semiconductor load control	5A	5A	1A	0.5A
		DC-13 Electromagnetic load control	2A	2A	0.2A	0.2A
Contact material			Copper-based composite silver			

Minimum applicable load: 3VAC/DC, 5mA (the applicable range depends on the working conditions and load type)

	Light bulb type	Bidirectional ED bulb (AC/DC universal)
	Emitting color	W B R G Y S
	Service time	About 30000 hours
	Rated current	About 15mA
	Step-down method	Built-in resistor

Note: If unidirectional DC ED bulbs are required, they can be customized. Other voltage specifications can be customized as per requirements.

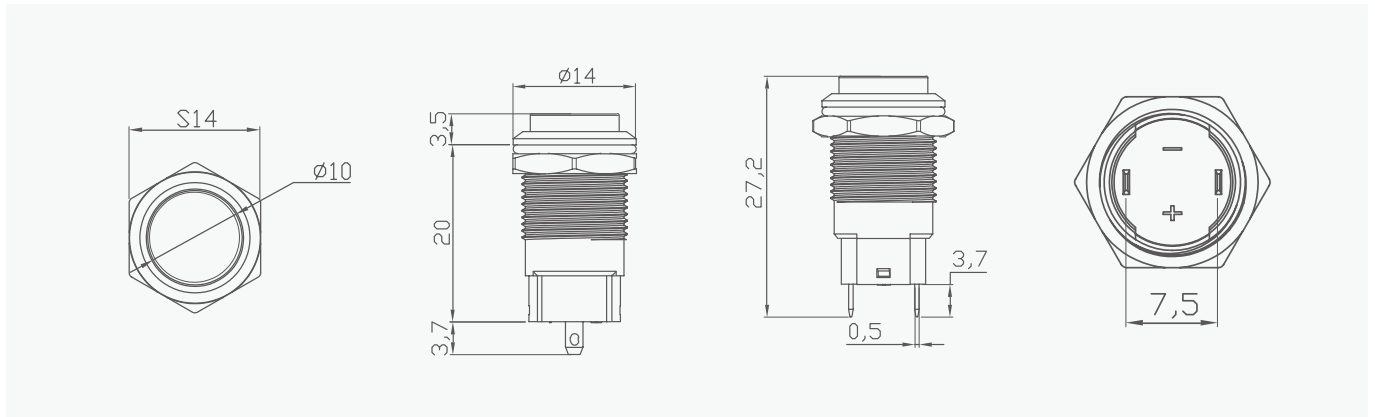
E

Industrial Equipment & Switches

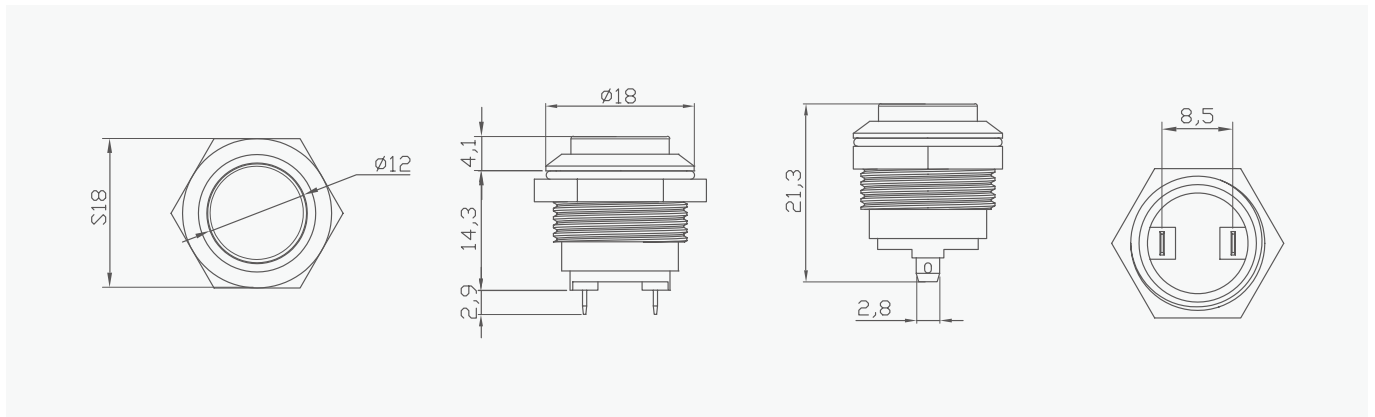
YCGB Series Metal Buttons

Overall and mounting dimensions(mm)

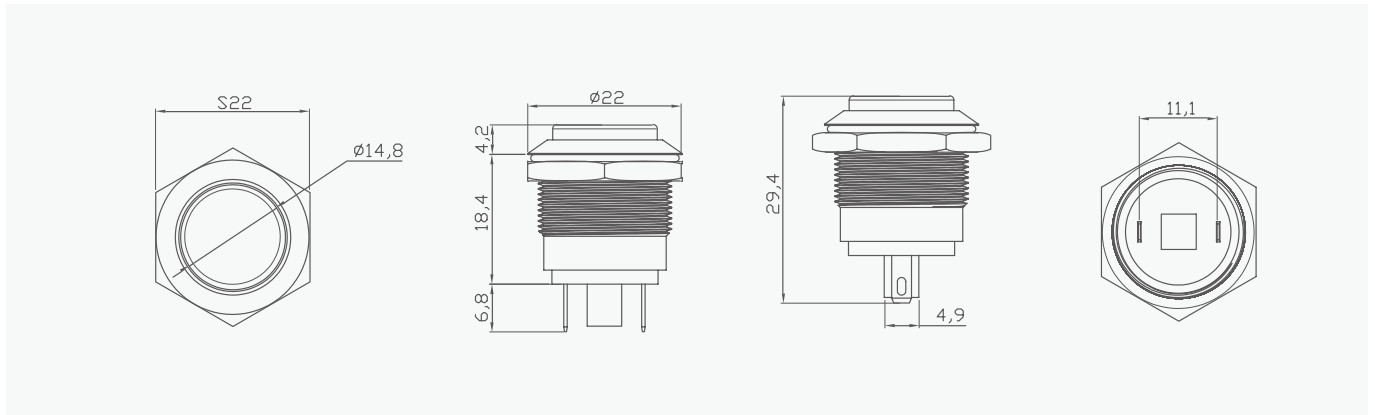
YCGB12G10



YCGB16G10



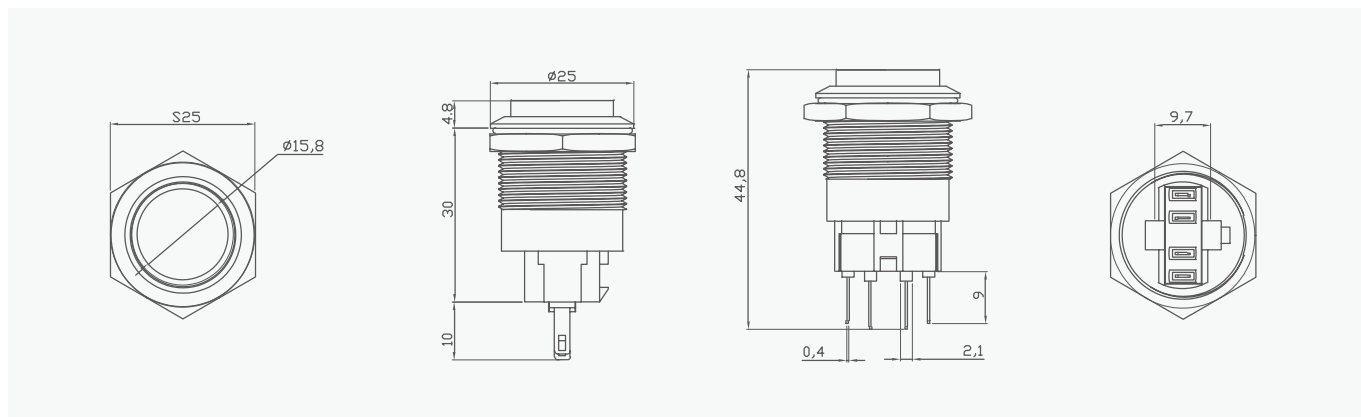
YCGB19G10



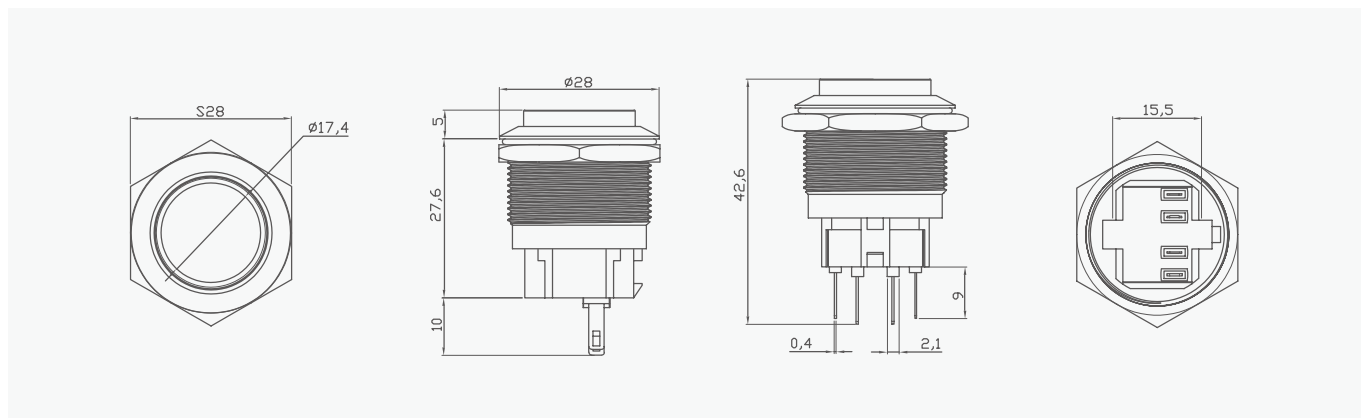
Industrial Equipment & Switches

YCGB Series Metal Buttons

YCGB22G11

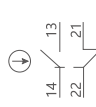








YCGB25G11



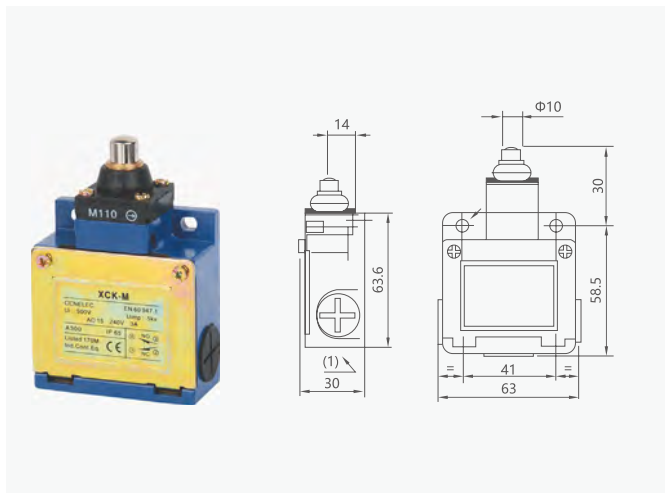
XCK-M Limit Switch

Technical data

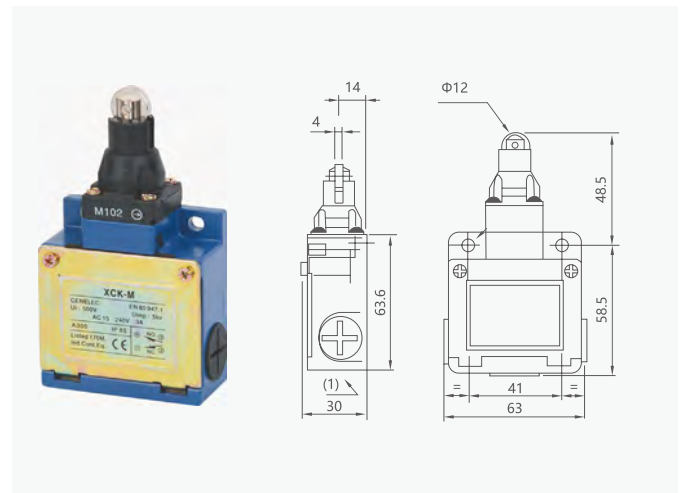
Item	XCK-M mode, metal three line incoming mouths					
 <p>2-pole contact terminal Quick</p>	Metal head directacting type	Meta steel-roller directacting type	Metal thermoplastic roller tumbler directacting type, Single direction with horizontal movement	Adjustable length and thermoplastic rooler tumbler 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-open, quick)	XCK-M110 	XCK-M102 	XCK-M121 	XCK-M141 XCK-M139 	XCK-M115 	XCK-M106 XCK-M108 

Overall and mounting dimensions(mm)

XCK-M110

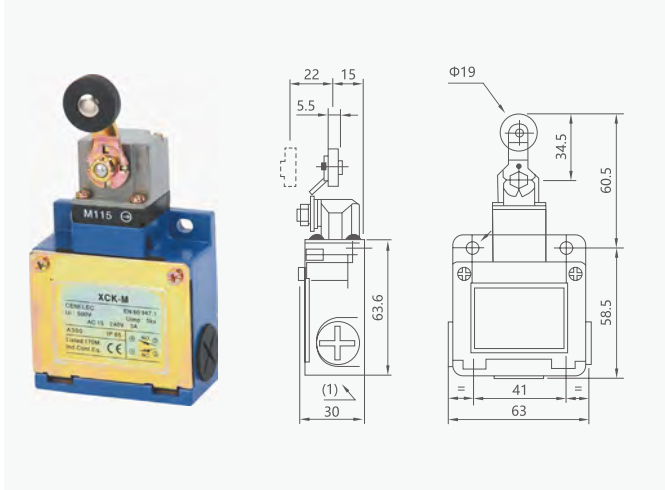


XCK-M102

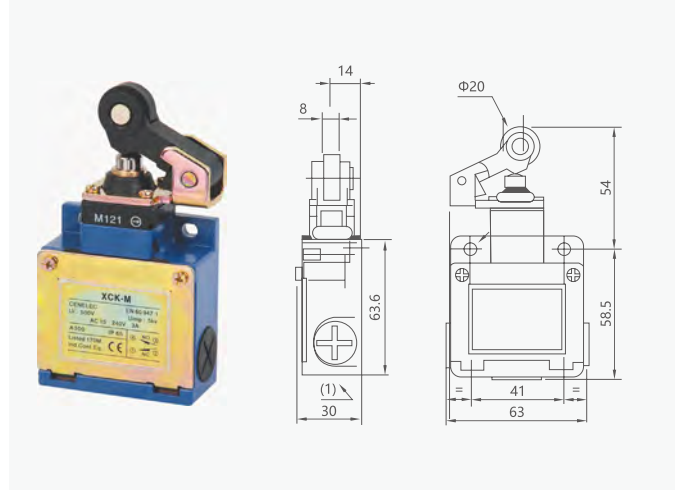


XCK-M Limit Switch

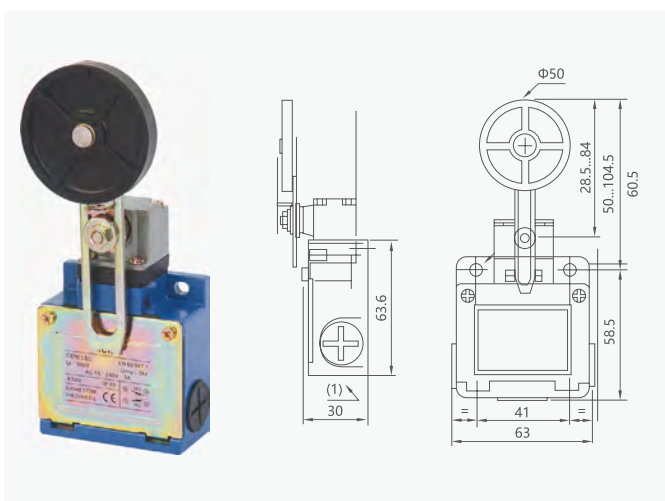
XCK-M115



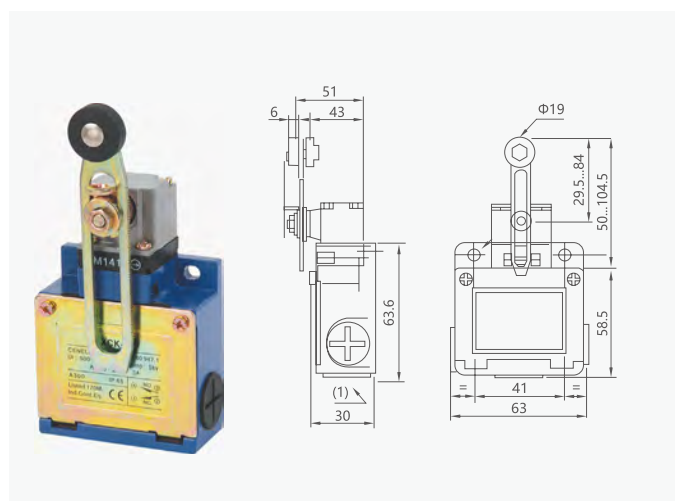
XCK-M121



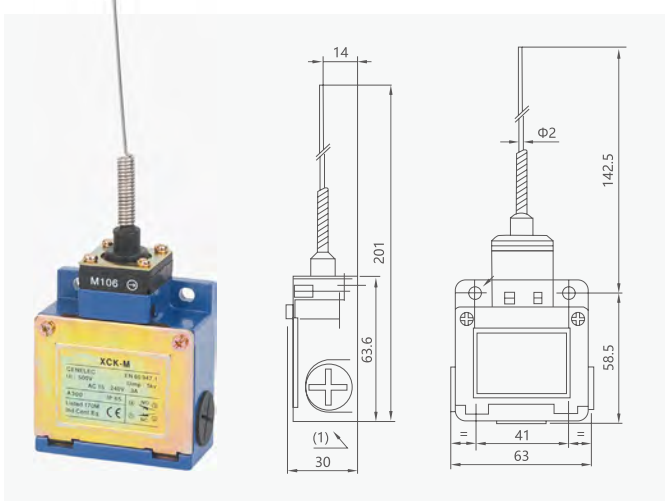
XCK-M139



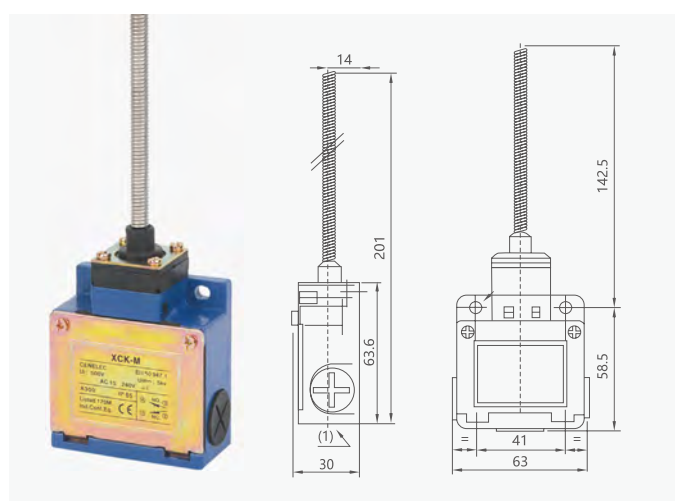
XCK-M141



XCK-M106

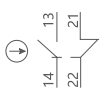


XCK-M108



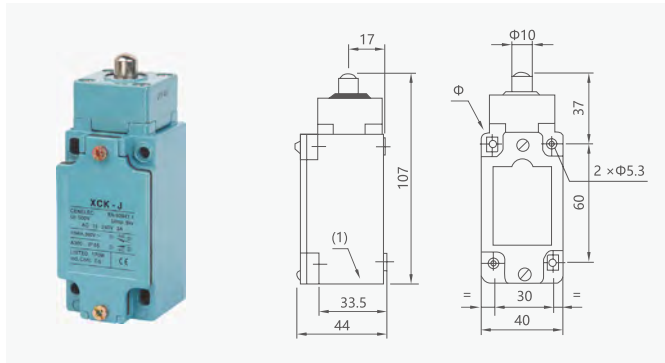
XCK-J Limit Switch

Technical data

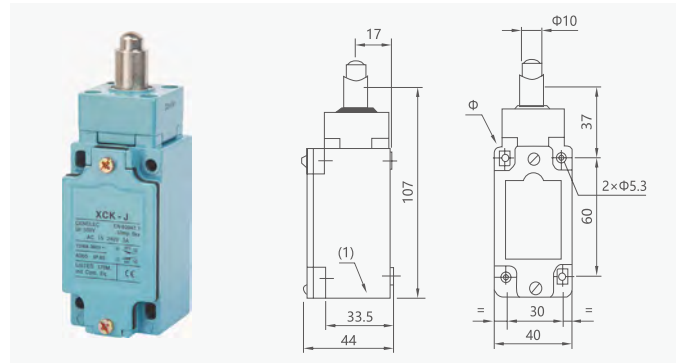
Item	XCK-J mode double insulation, according to standard EN50041						
 <p>2-pole contact terminal Quick</p>	Metal head directacting type	Meta steel-roller directacting type	Metal thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic rooler tumbler type	Metal thermoplastic 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-open, quick)	XCK-J161 XCK-J1161 ⊙	XCK-J167 ⊙	XCK-J10511 XCK-J10531 ⊙	XCK-J10541 XCK-J139 ⊙	XCK-J10559 ⊙	XCK-J121 ⊙	XCK-J108 ⊙

Overall and mounting dimensions(mm)

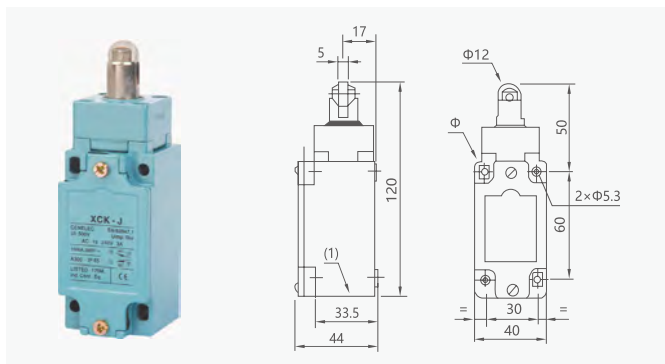
XCK-J161



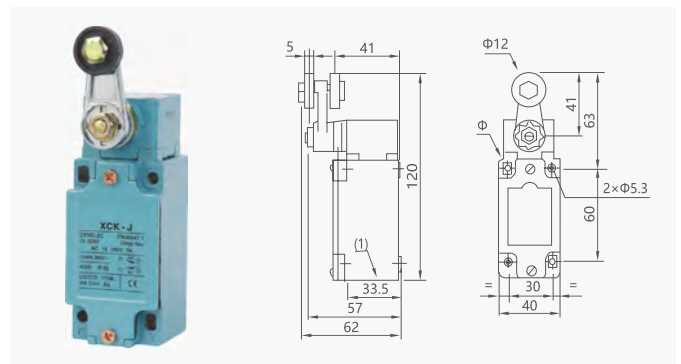
XCK-J1161



XCK-J167

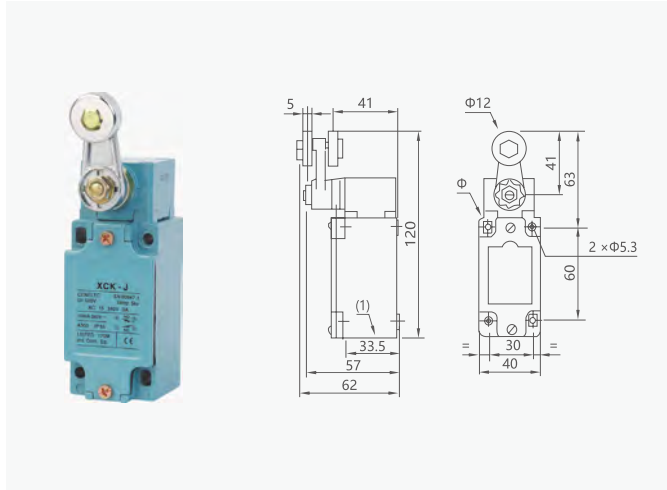


XCK-J10511

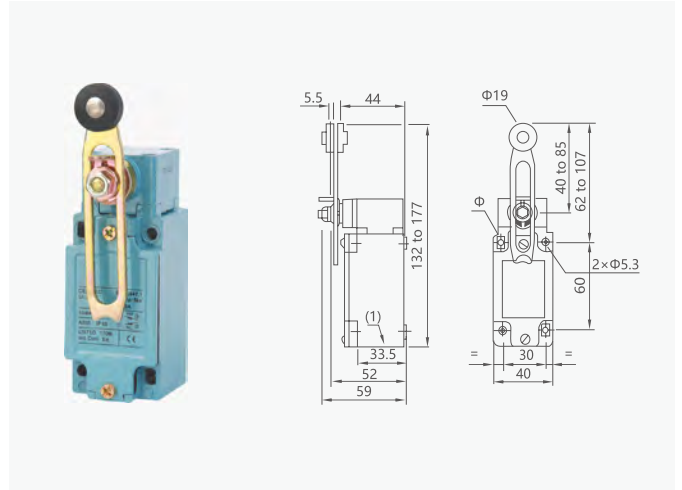


XCK-J Limit Switch

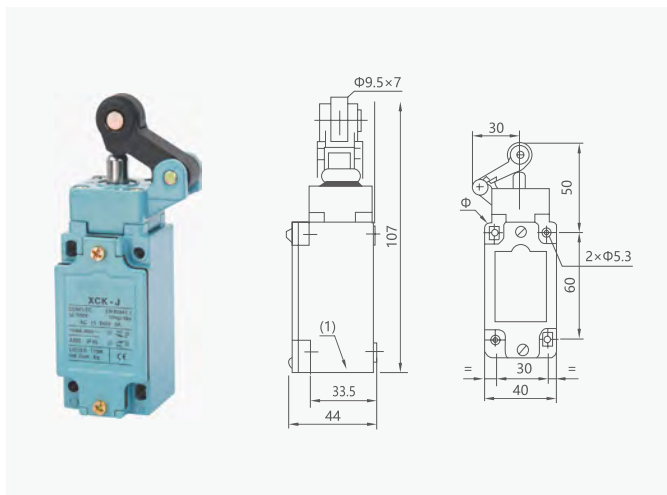
XCK-J10531



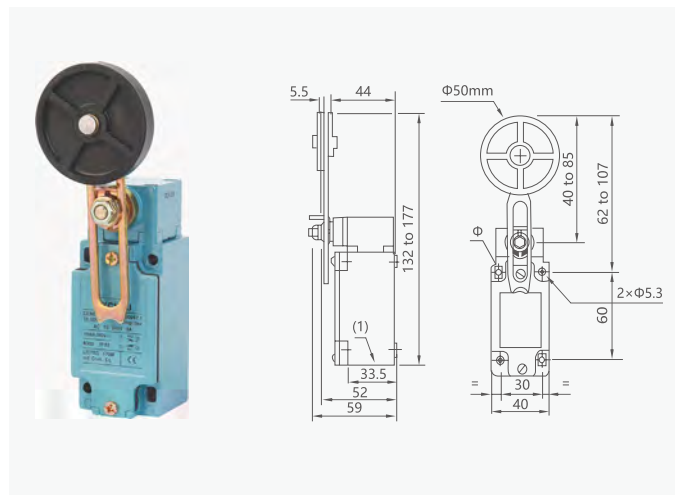
XCK-J10541



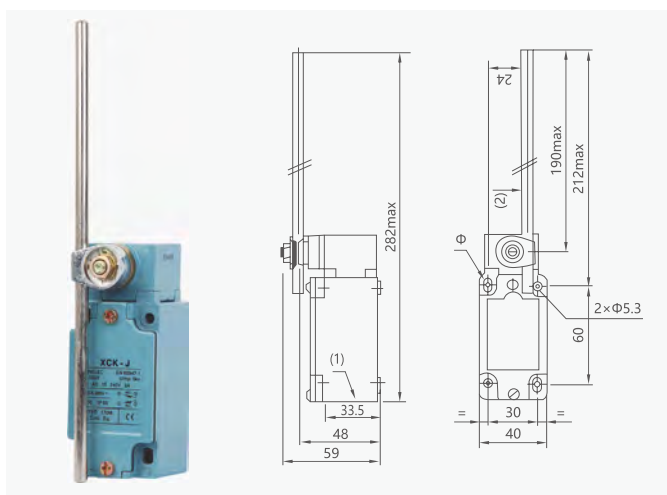
XCK-J121



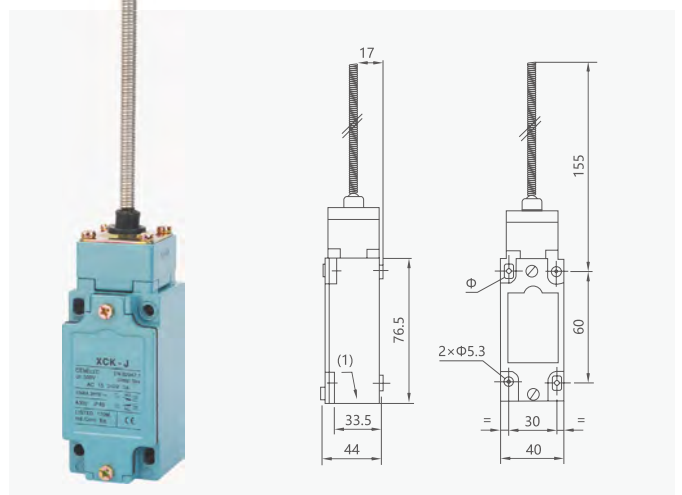
XCK-J139



XCK-J10559

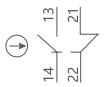


XCK-J108



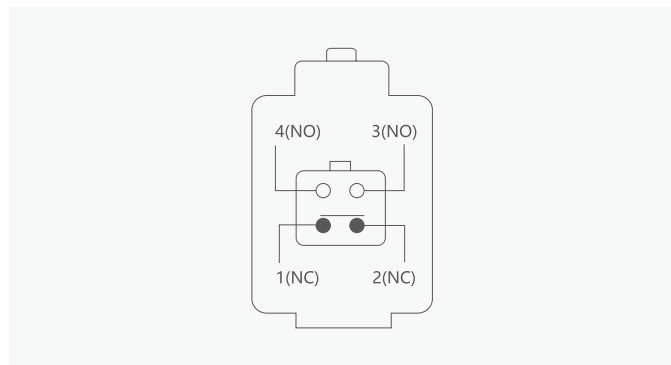
XCK-P Limit Switch

Technical data

Item	XCK-P mode double insulation, according to standard EN50047 on-line incoming mouth						
 <p>2-pole contact terminal Quick</p>	Metal head directacting type	Meta steel-roller directacting type	Metal thermo-plastic roller directacting type, Single direction with horizontal movement	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-open, quick)	XCK-P110 ⊙	XCK-P102 ⊙	XCK-P118 ⊙	XCK-P121 XCK-P128 ⊙	XCK-P139 XCK-P145 ⊙	XCK-P155 ⊙	XCK-P106 ⊙

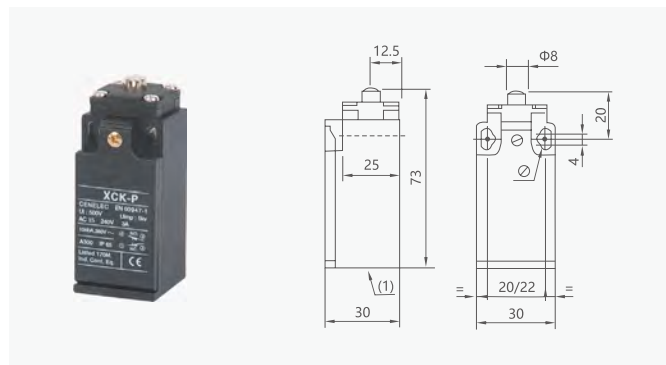


Wiring diagram

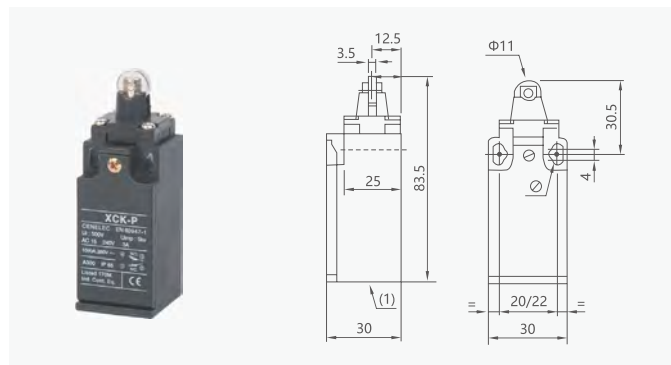


Overall and mounting dimensions(mm)

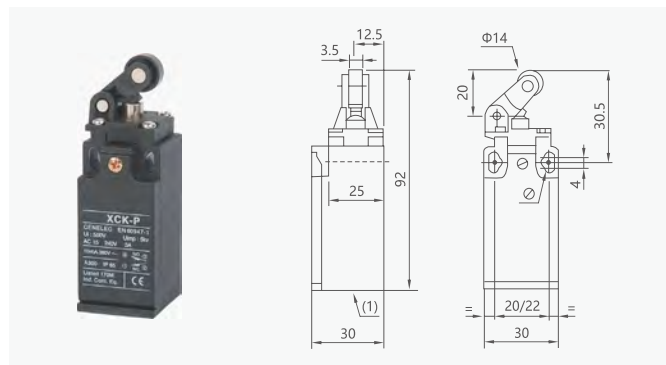
XCK-P110



XCK-P102

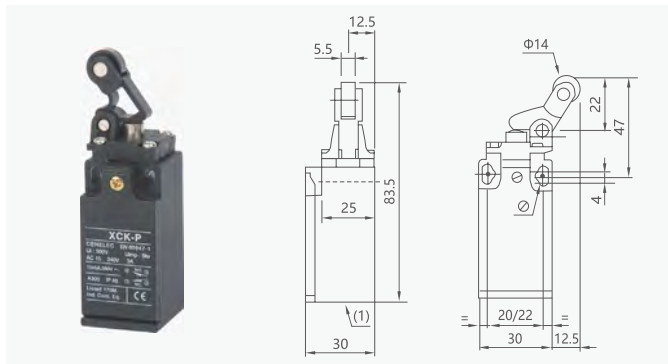


XCK-P121

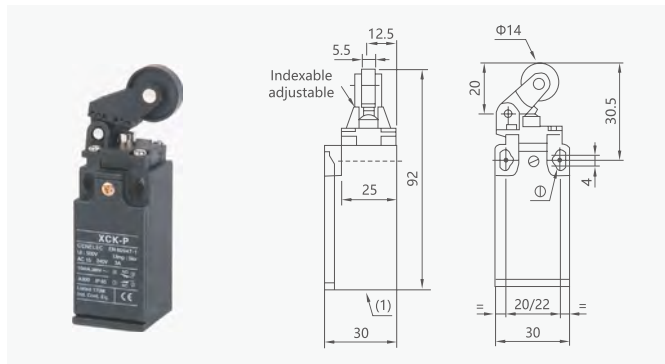


XCK-P Limit Switch

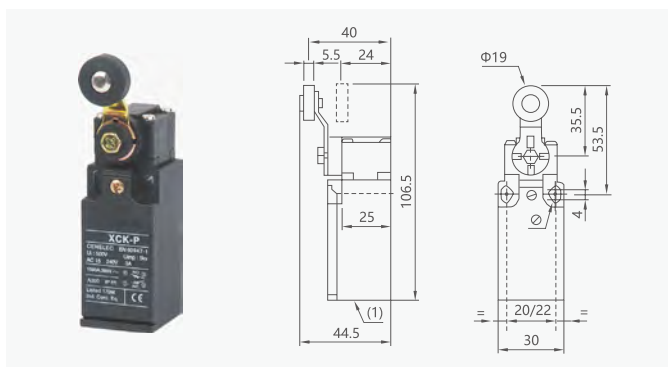
XCK-P127



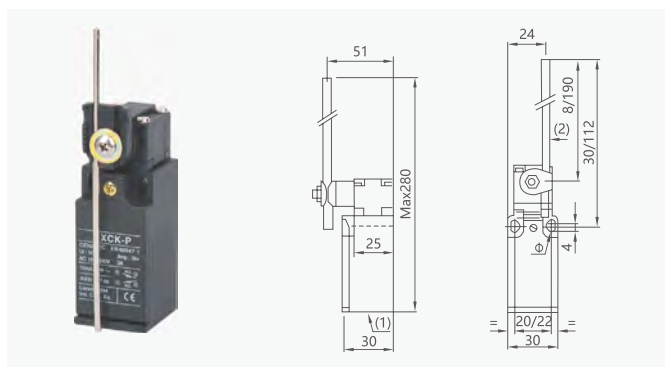
XCK-P128



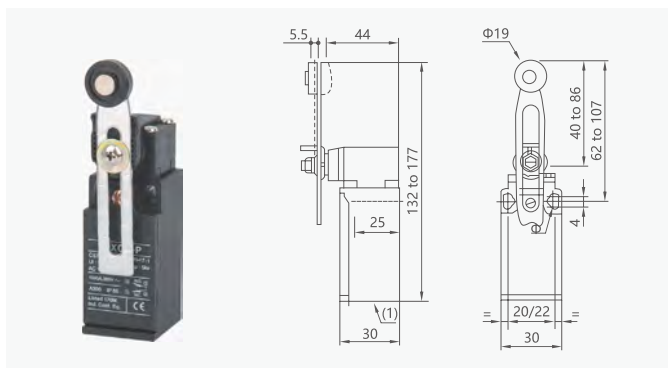
XCK-P118



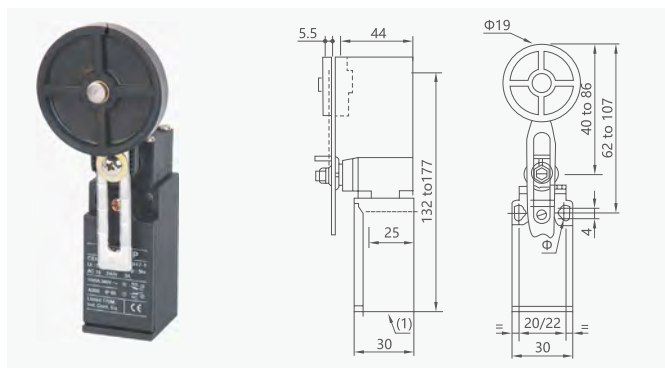
XCK-P155



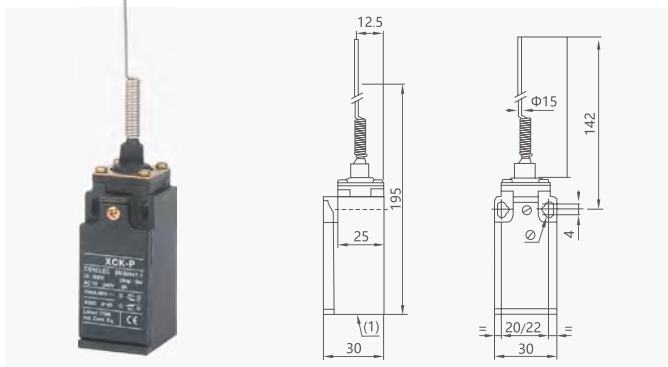
XCK-P145



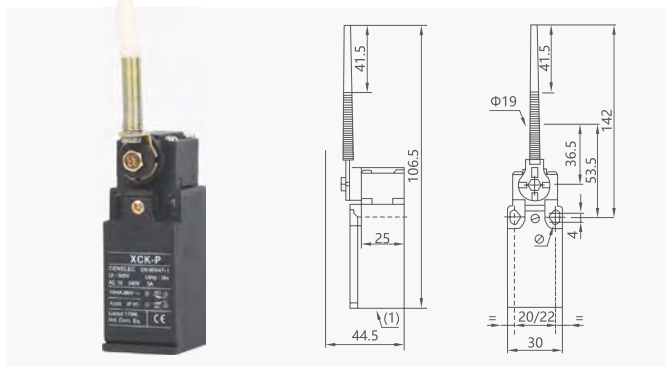
XCK-P139



XCK-P106



XCK-P181



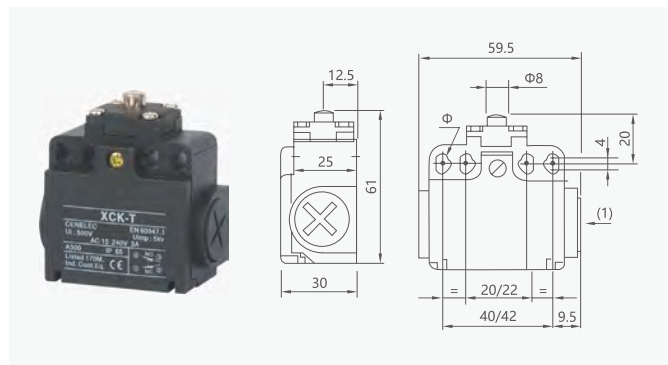
XCK-T Limit Switch

Technical data

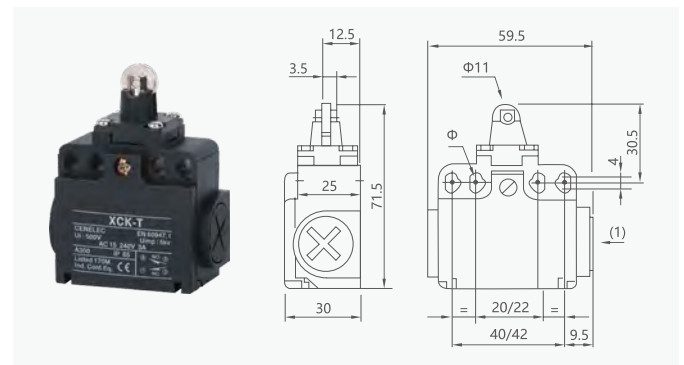
Item	XCK-T mode double insulation, according to standard EN50047 oneline incoming mouth							
	2-pole contact terminal Quick	Metal head directacting type	Thermoplas- tic roller directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Cylindrical 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-open, quick)	XCK-T110 ⊕	XCK-T102 ⊕	XCK-T118 ⊕	XCK-T139 XCK-T145 ⊕	XCK-T155 ⊕	XCK-T121 XCK-T128 ⊕	XCK-T106 ⊕	

Overall and mounting dimensions(mm)

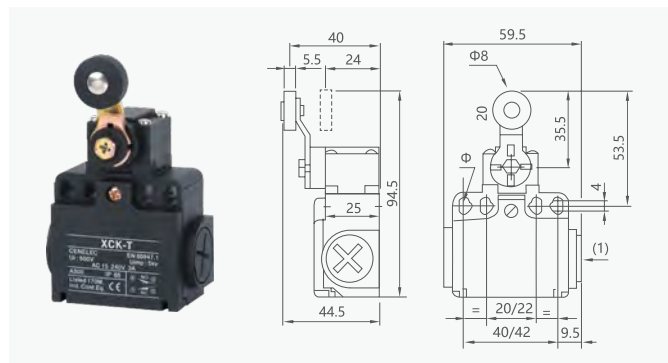
XCK-T110



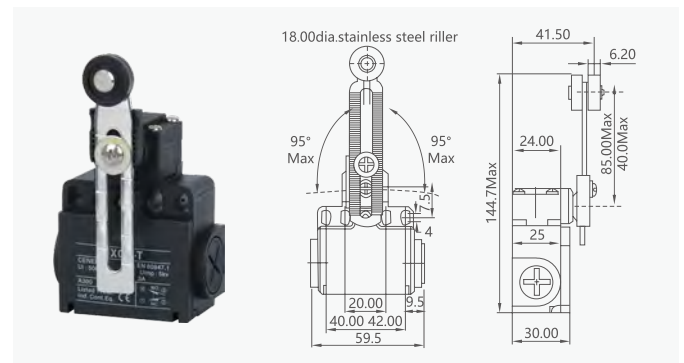
XCK-T102



XCK-T118

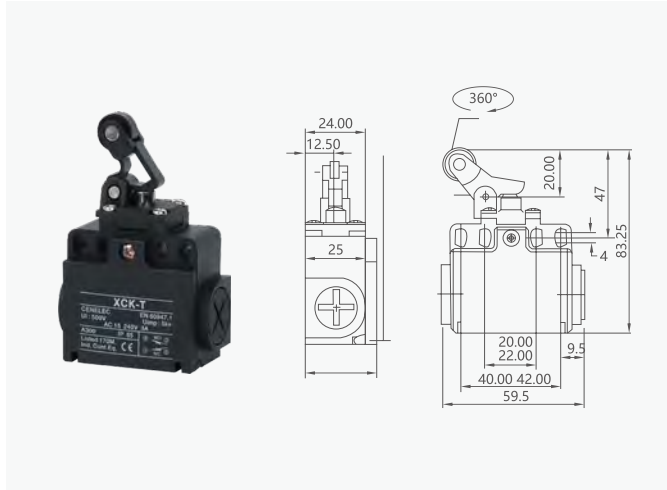


XCK-T145

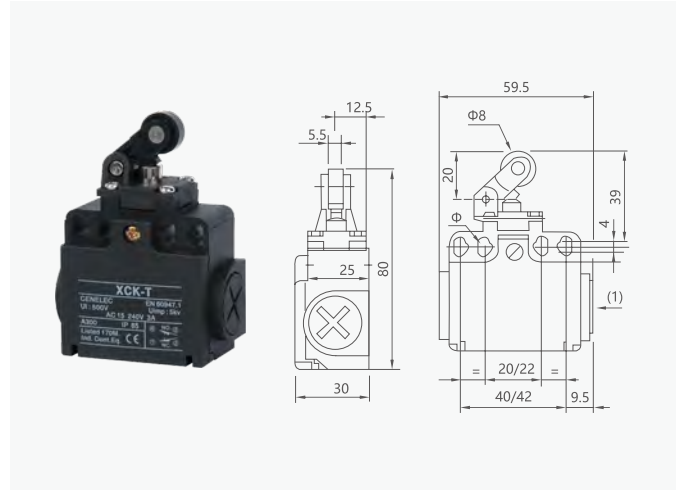


XCK-T Limit Switch

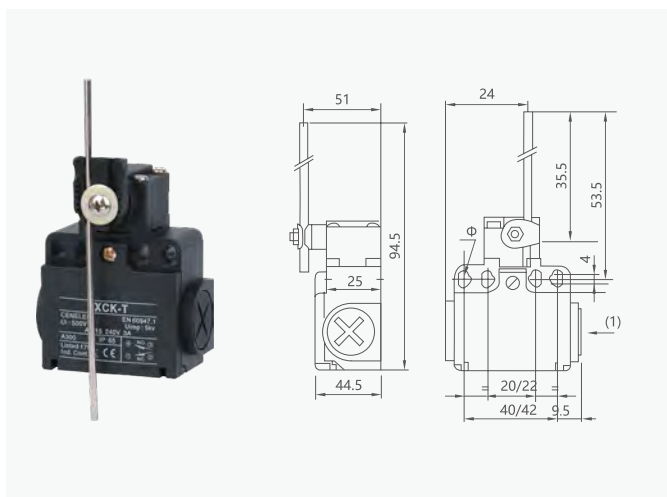
XCK-T127



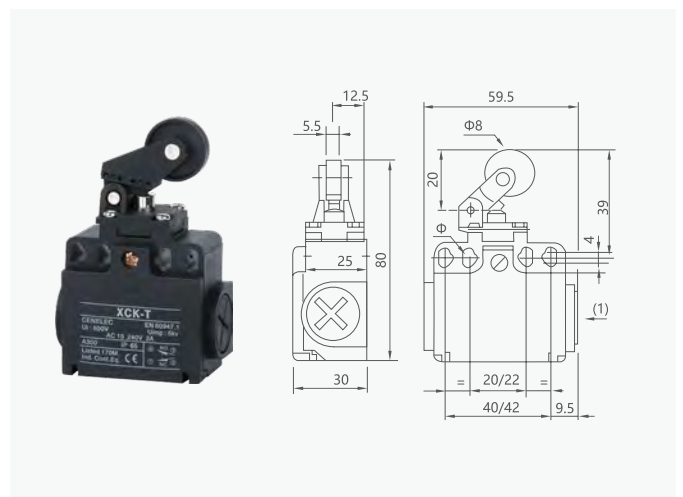
XCK-T121



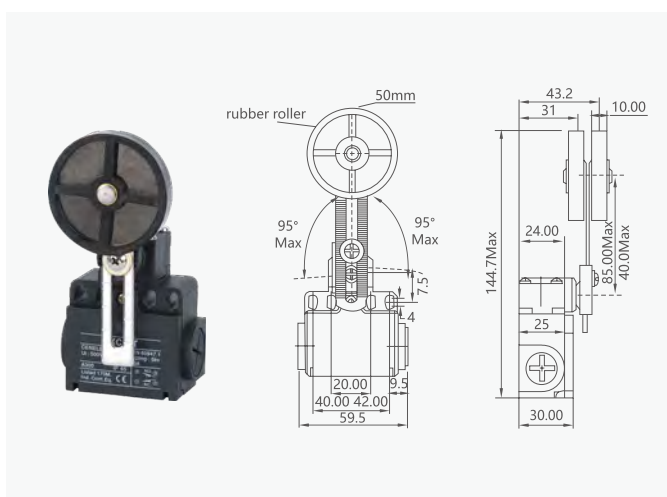
XCK-T155



XCK-T128



XCK-T139

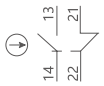


XCK-T106



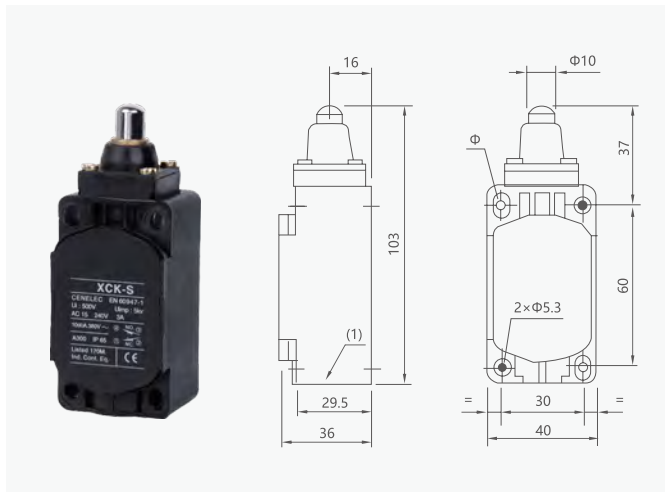
XCK-S Limit Switch

Technical data

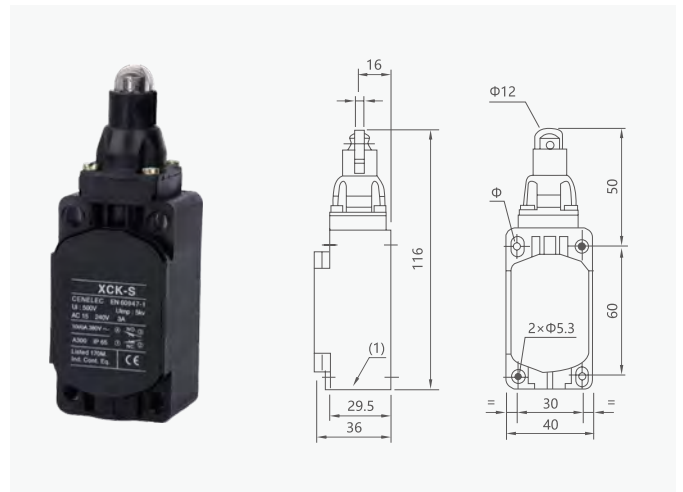
Item	XCK-S mode double insulation, according to standard EN50041						
 <p>2-pole contact terminal Quick</p>	Multidirection type	Metal head directacting type	Steel-roller directacting type	Thermoplastic roller tumbler directacting type	Adjustable length and thermoplastic roller tumbler type	Adjustable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

Overall and mounting dimensions(mm)

XCK-S101

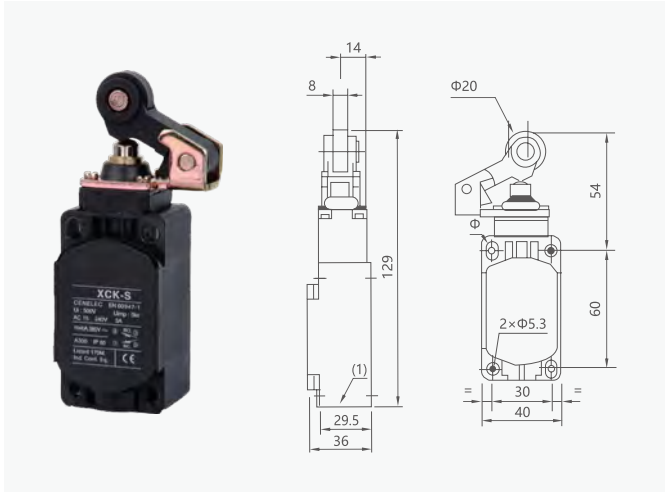


XCK-S102

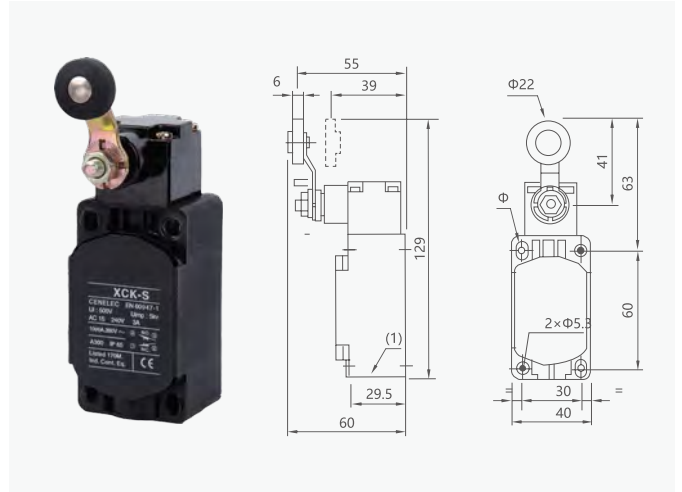


XCK-S Limit Switch

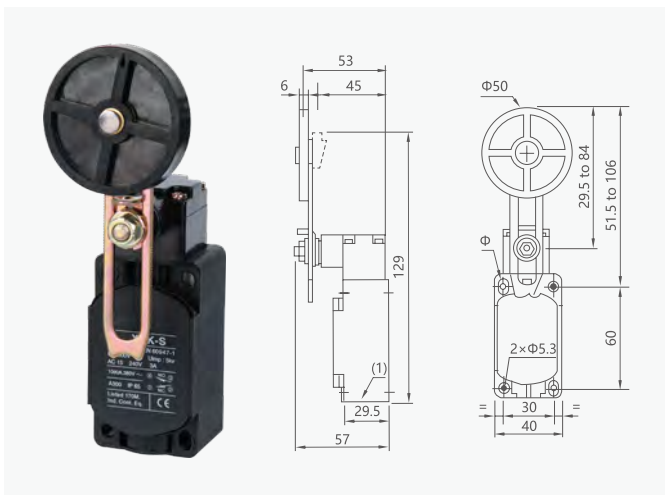
XCK-S121



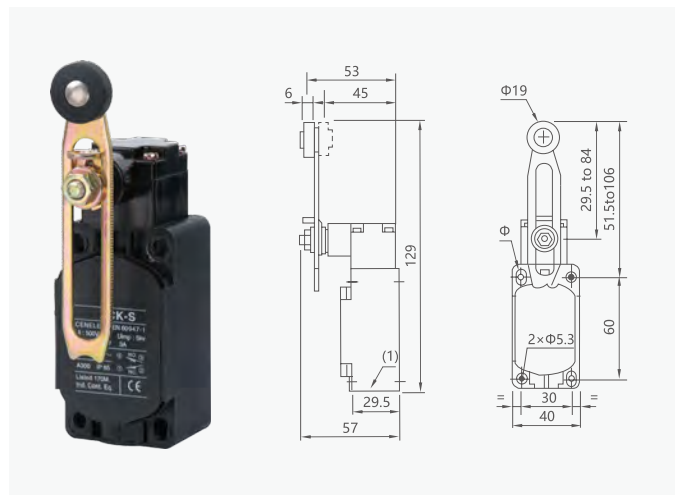
XCK-S131



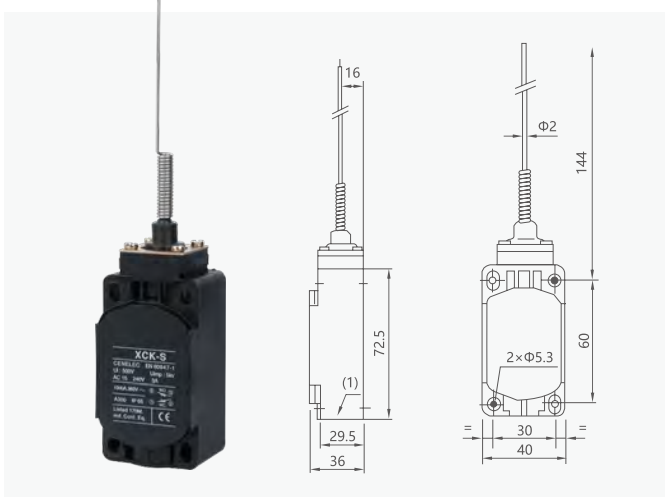
XCK-S139



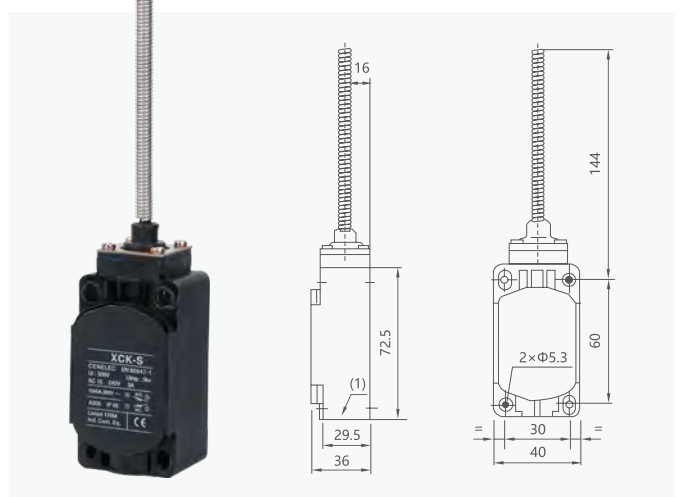
XCK-S141



XCK-S106



XCK-S108



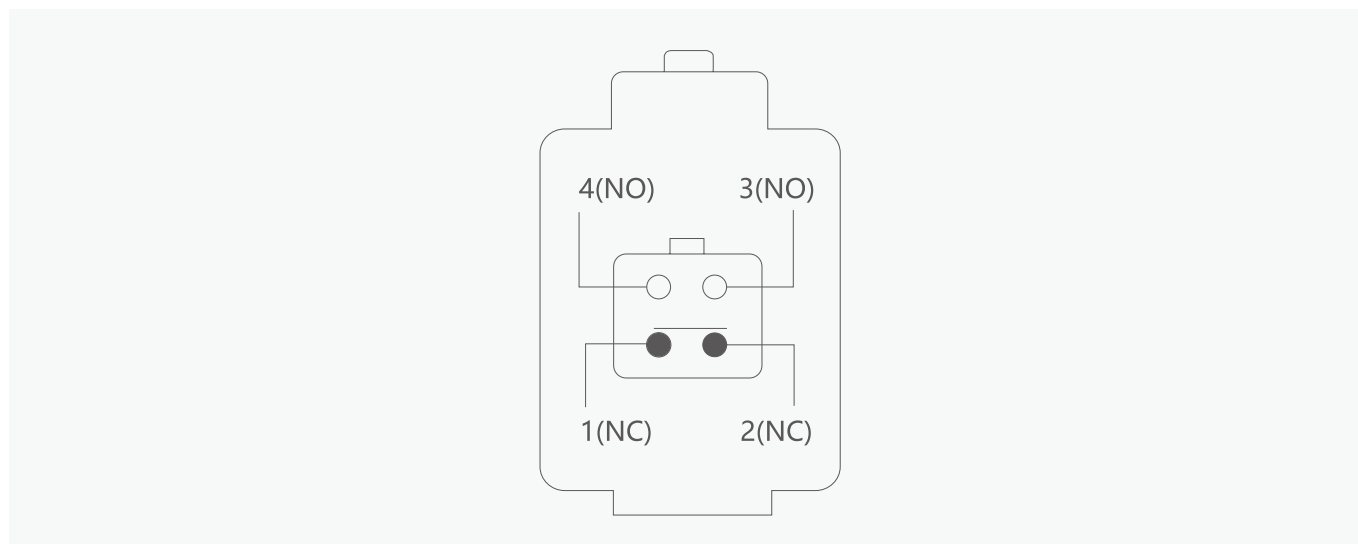
ME Limit Switch

Technical data

Item	Data	
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	Max. 55Hz
Vibration resistance	Standard type	30G
Life (min. operations)	Mechanical: 107 (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	

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

Wiring diagram



ME Limit Switch

Operating characteristics

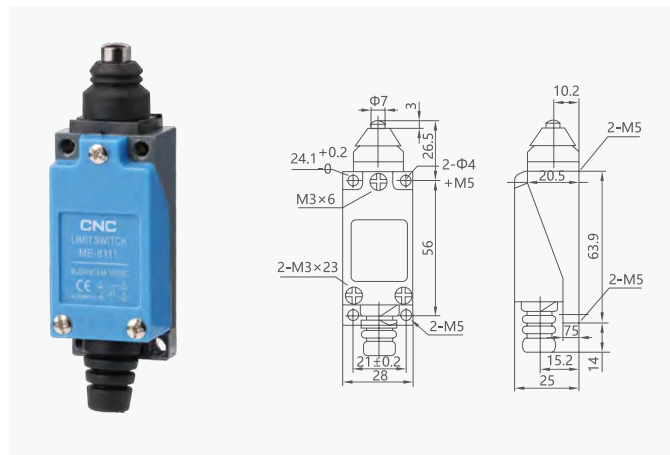
Mode	ME-8104	ME-8108 ME-8108-L	ME-8107
Operation speciality			
OF (max)	750g	750g	750g
RF (min)	100g	100g	100g
PT (max)	20°	20°	20°
OT (min)	50°	50°	50°
MD (max)	12°	12°	12°
OP			

Mode	ME-8111	ME-8112 ME-8122	ME-8166 ME-9101
Operation speciality			
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	-

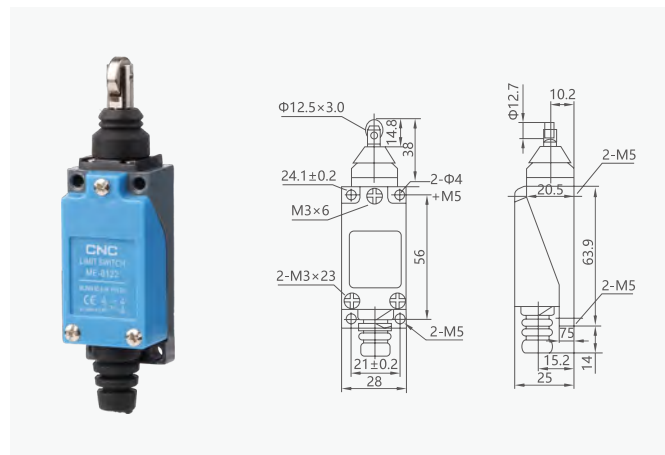


Overall and mounting dimensions(mm)

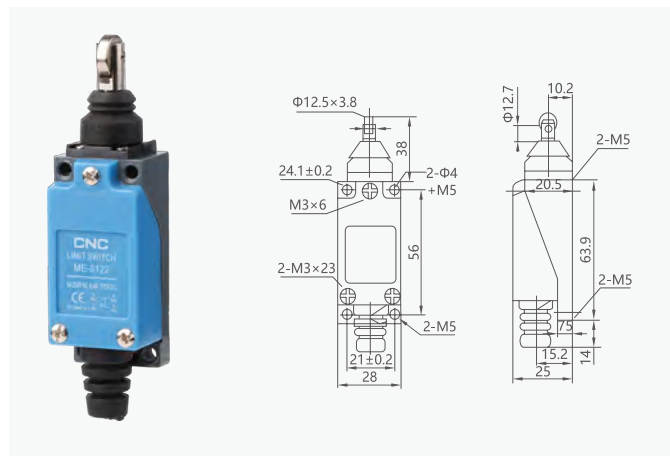
ME-8111



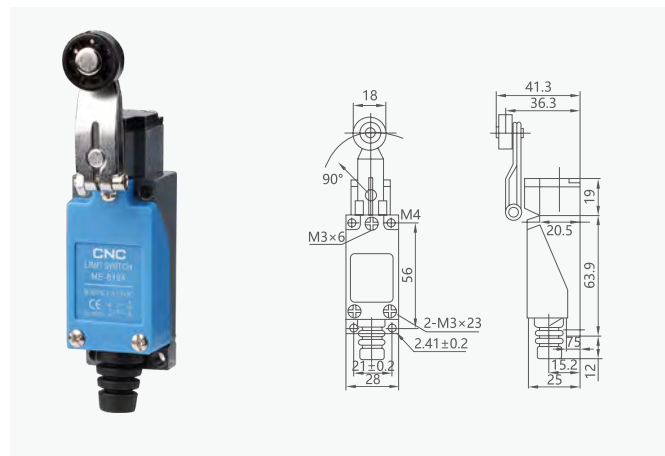
ME-8112



ME-8122

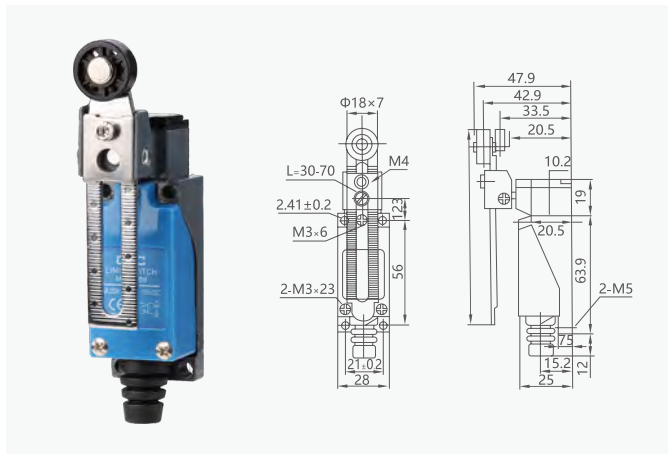


ME-8104

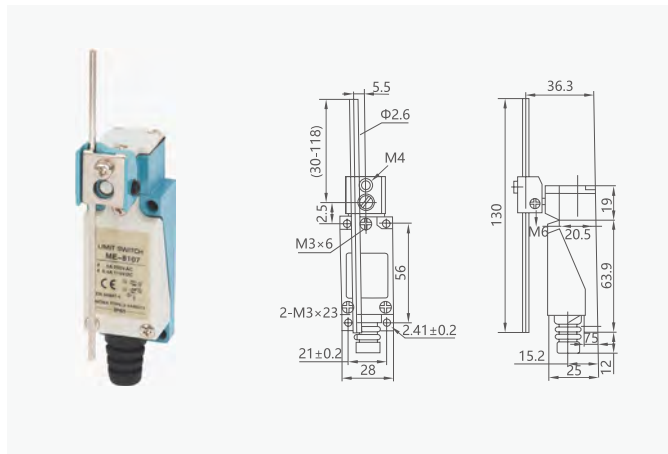


ME Limit Switch

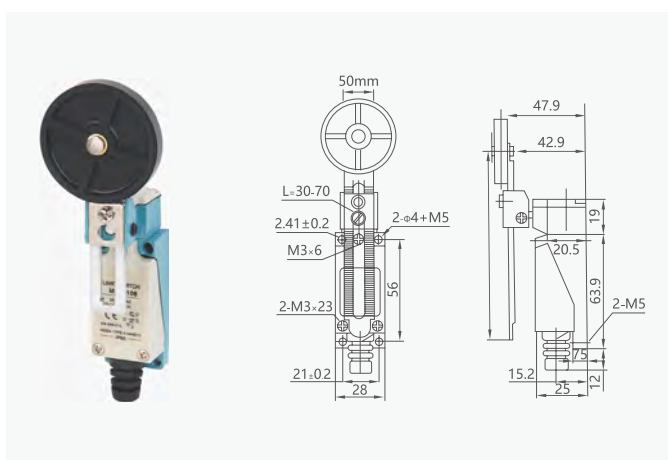
ME-8108



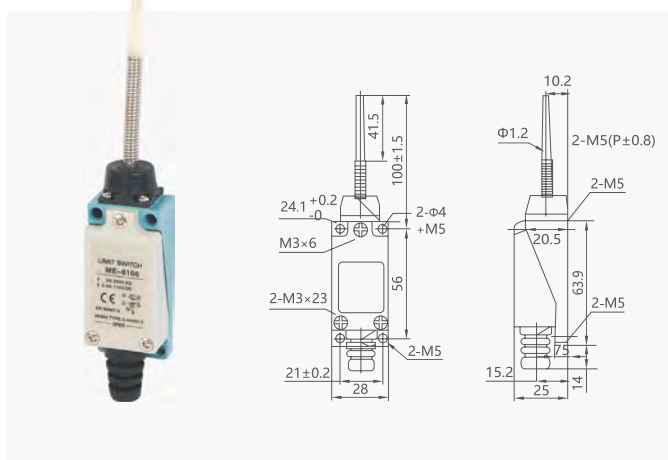
ME-8107



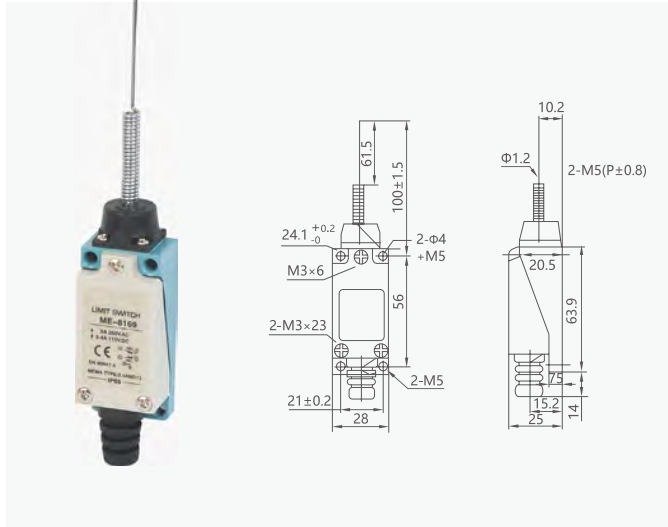
ME-8108-L



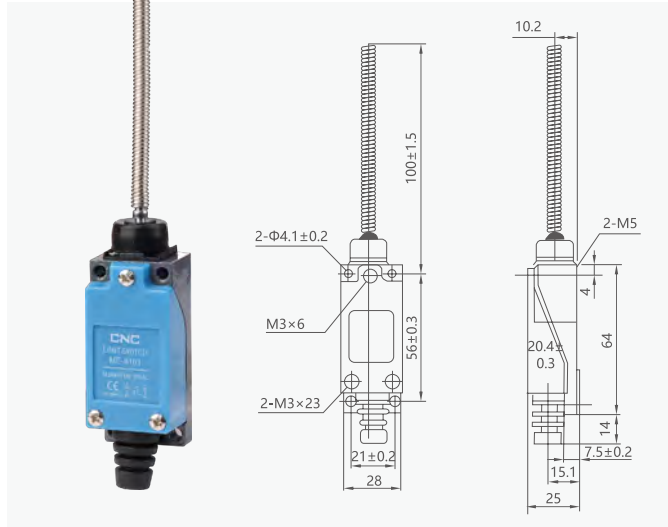
ME-8166



ME-8169



ME-9101



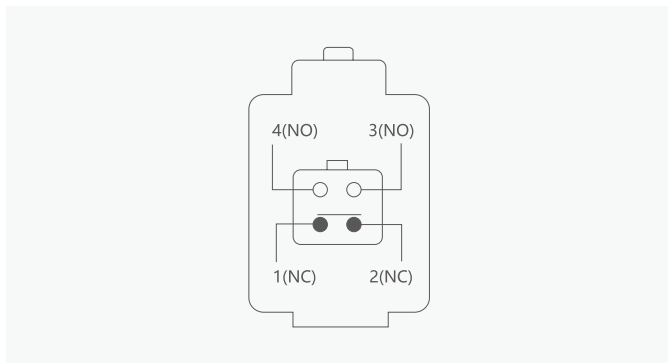
MEA Limit Switch

Technical data

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

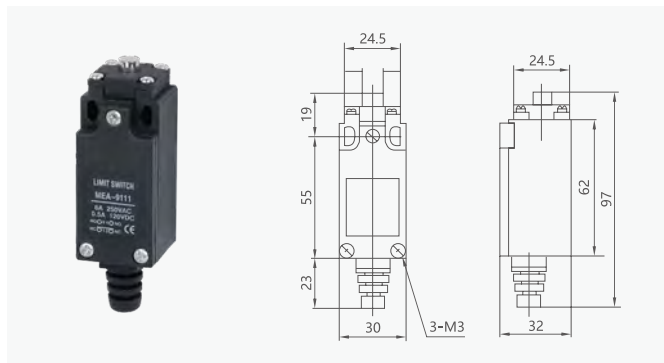
E

Wiring diagram

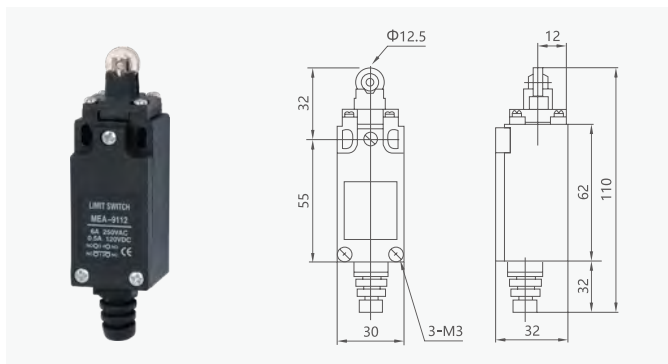


Overall and mounting dimensions(mm)

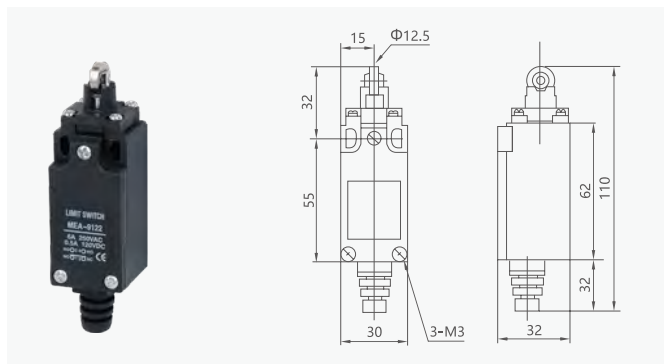
MEA-9111



MEA-9112



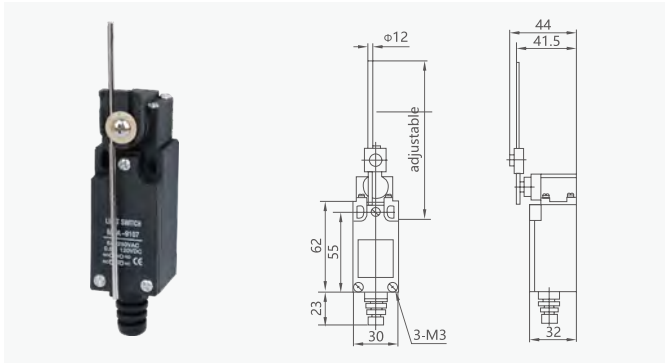
MEA-9122



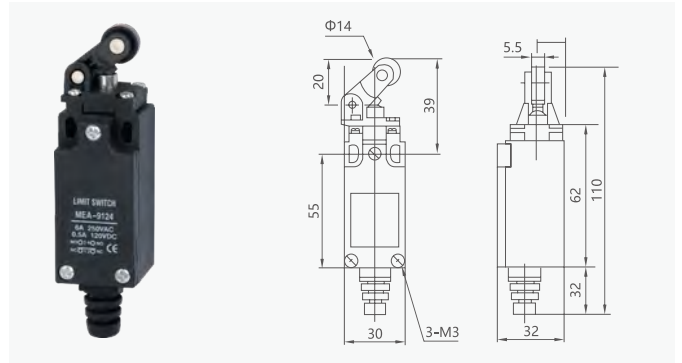
Industrial Equipment & Switches

MEA Limit Switch

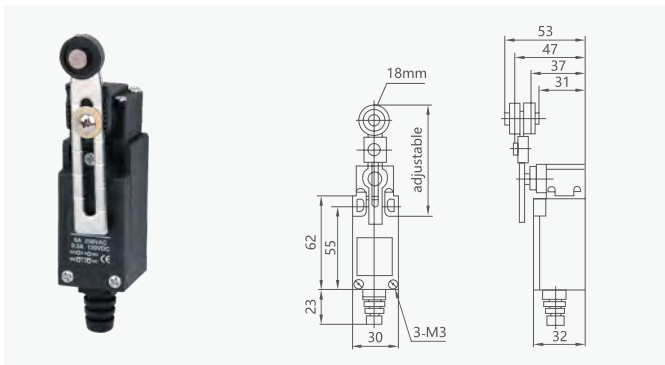
MEA-9107



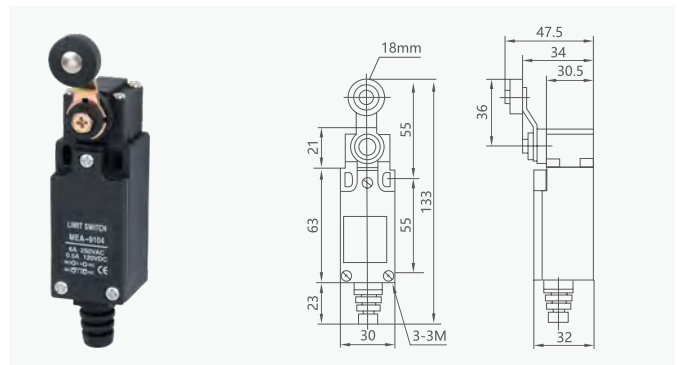
MEA-9124



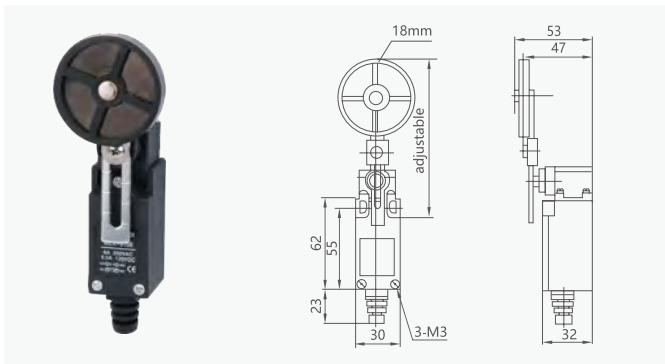
MEA-8108



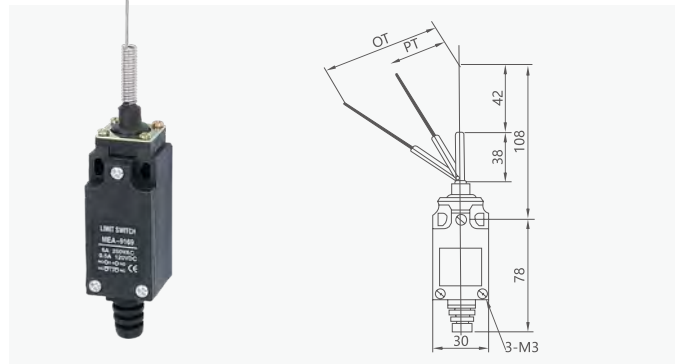
MEA-9104



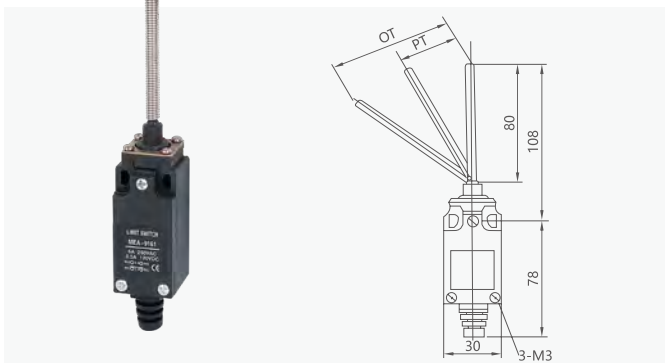
MEA-9108-L



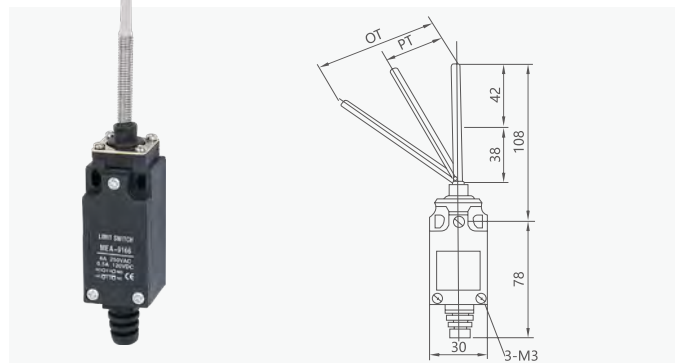
MEA-9169



MEA-9161



MEA-9166

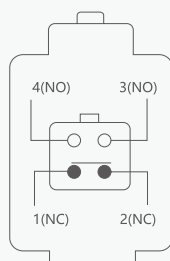


HL Limit Switch

Operating characteristics

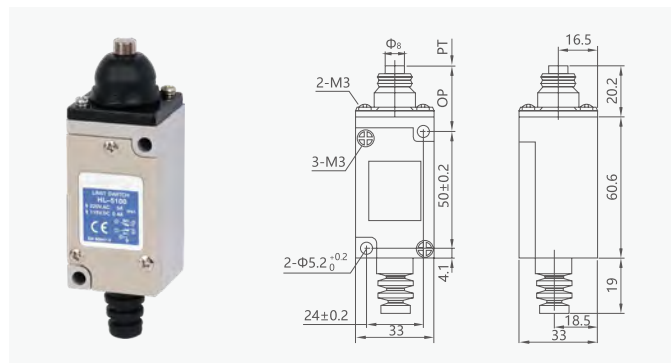
Mode	HL-5000	HL-5030	HL-5050	HL-5100	HL-5200	HL-5300
Operation speciality						
OF (max)	750g	750g	750g	900g	900g	150g
RF (min)	100g	100g	100g	150g	150g	-
PT (max)	20°	20°	20°	1.5mm°	1.5mm°	3mm
OT (min)	50°	50°	50°	4mm	4mm	-
MD (max)	12°	12°	12°	1mm	1mm	-
OP	-	-	-	30±0.8mm	30±0.8mm	-

Item	Data	
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

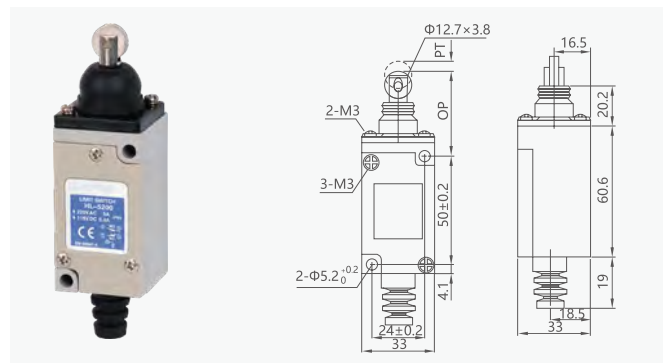


Overall and mounting dimensions(mm)

HL-5100

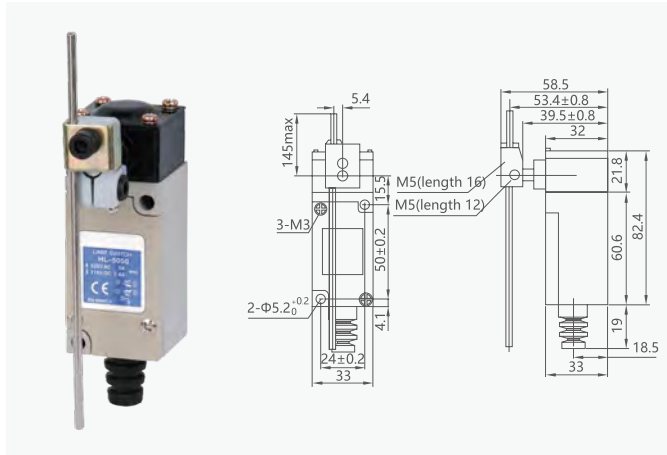


HL-5200

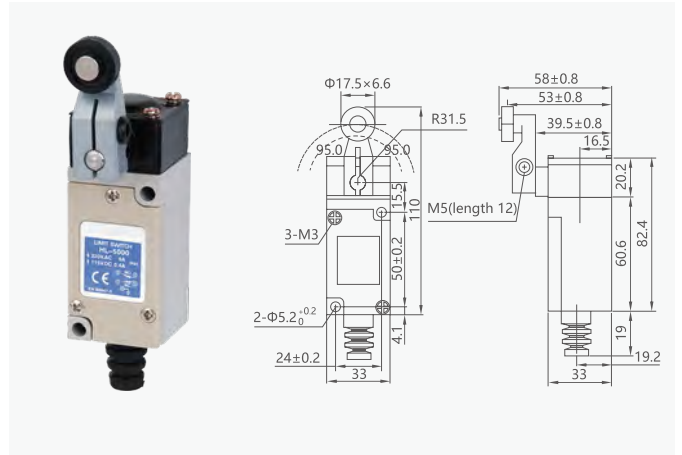


HL Limit Switch

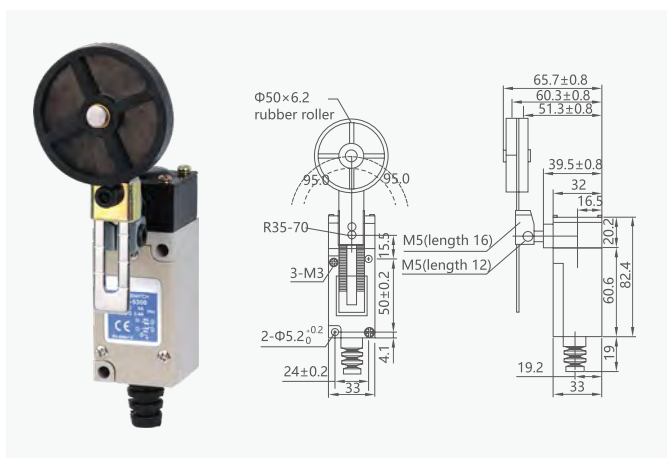
HL-5050



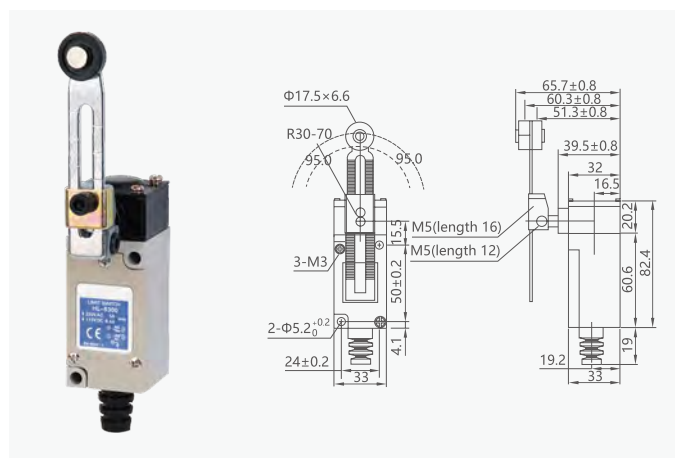
HL-5000



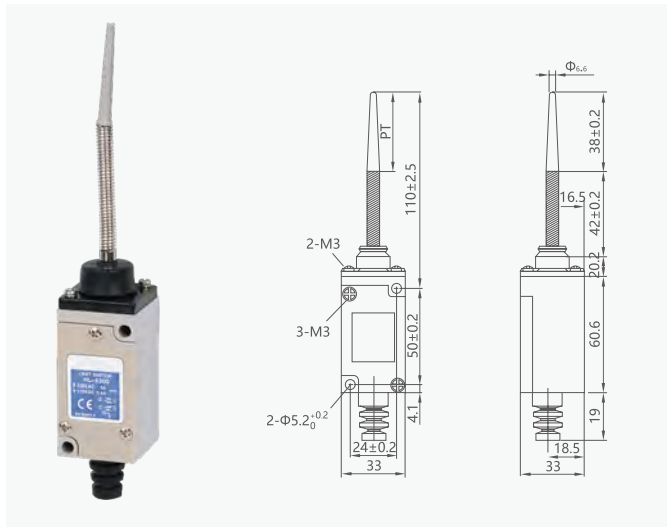
HL-5030-L



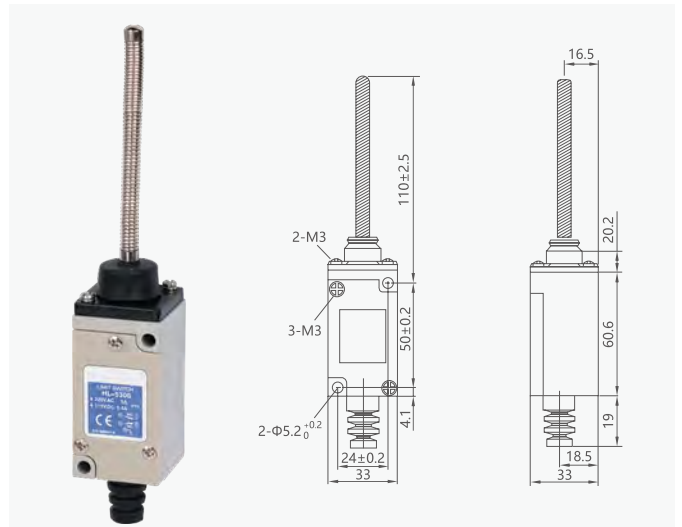
HL-5030



HL-5300



HL-5301



WL Limit Switch

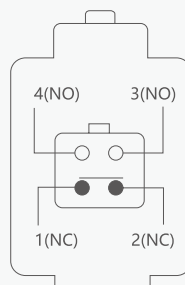
Technical data

Item	Data	
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	100MΩ (DC 500V)
Insulation resistance	Under 15MΩ (Initial value)	
Contact resistance	20 times/m	
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%	

General

1. Double-circuit limit switch is widely used
2. Firm aluminum alloy enclosure
3. High emchanical strength
4. Oil-proof, waterproof and pressure-proof structure
5. Indicating plate with setting position is installed in it, so it is easy to maintain
6. A variety of actuators, easy to use
7. Built-in contact stand has double-reed, so it has long mechanical life

Wiring diagram

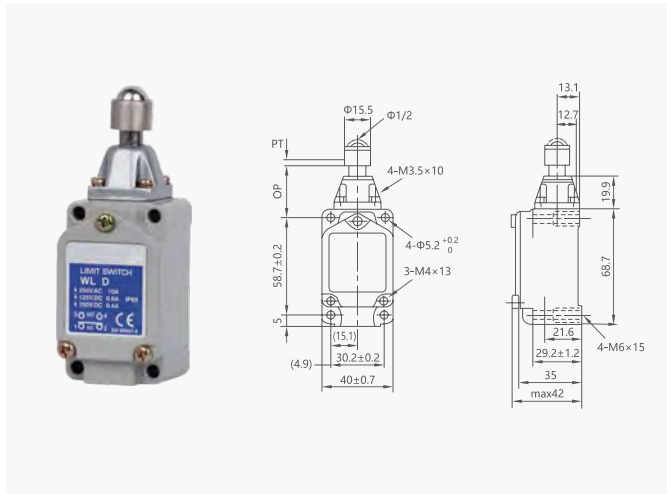


Industrial Equipment & Switches

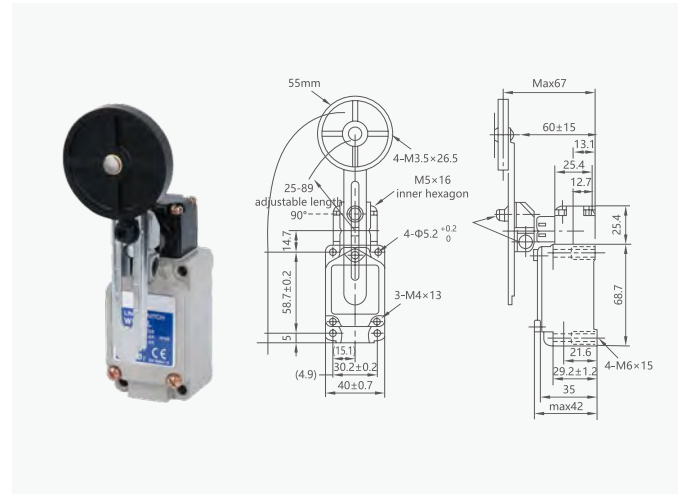
WL Limit Switch

Overall and mounting dimensions(mm)

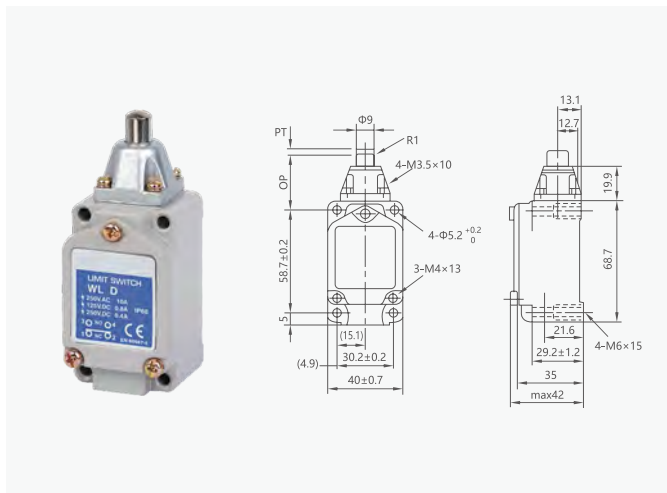
WL D3



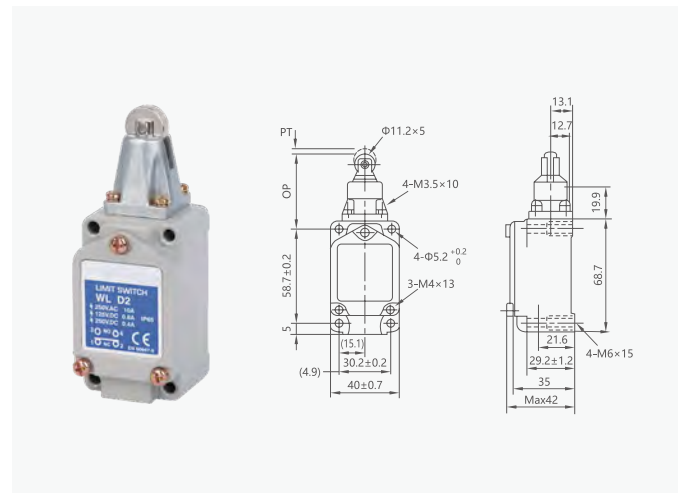
WL CA12-L



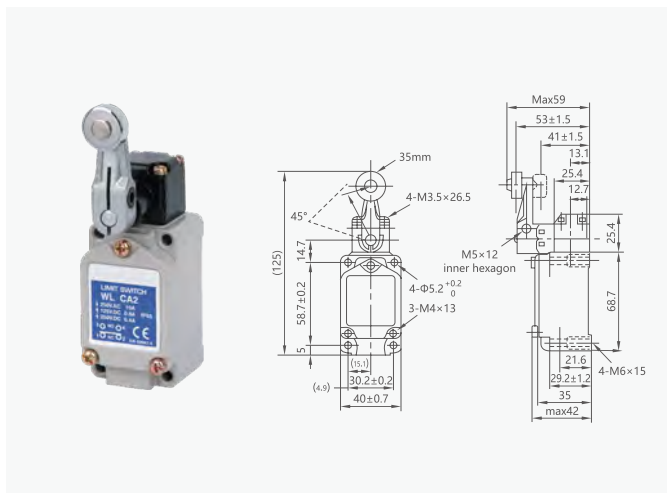
WL D



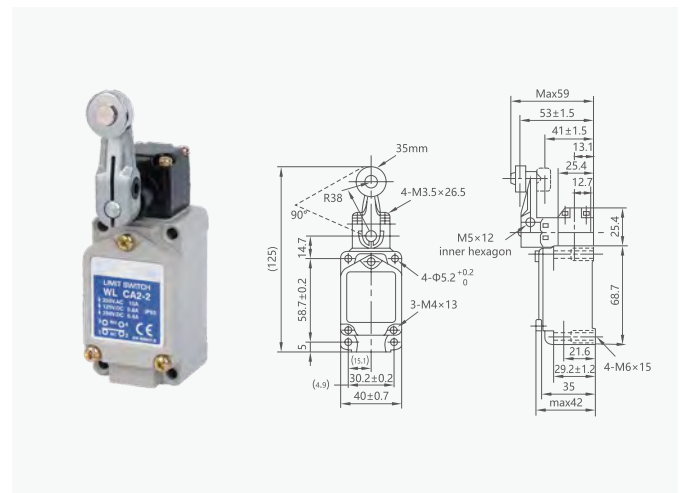
WL D2



WL CA2

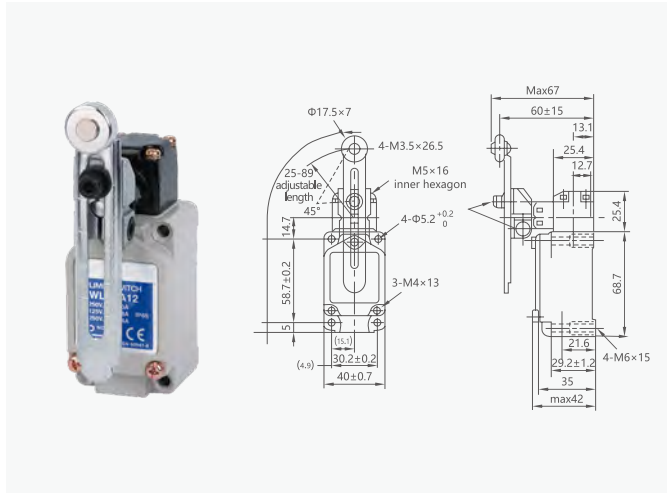


WL CA2-2

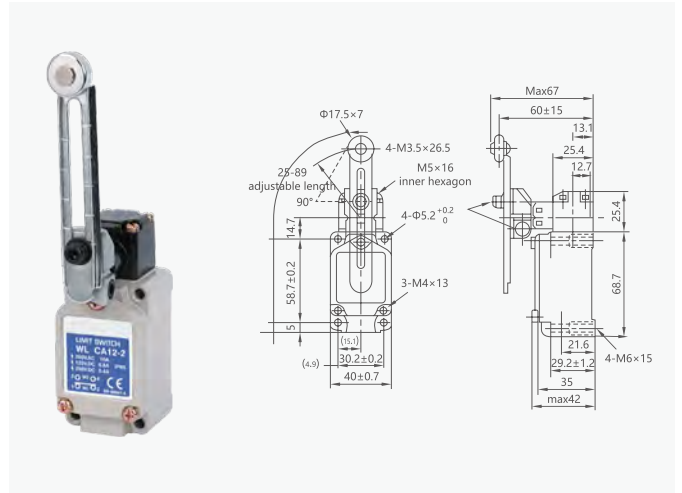


WL Limit Switch

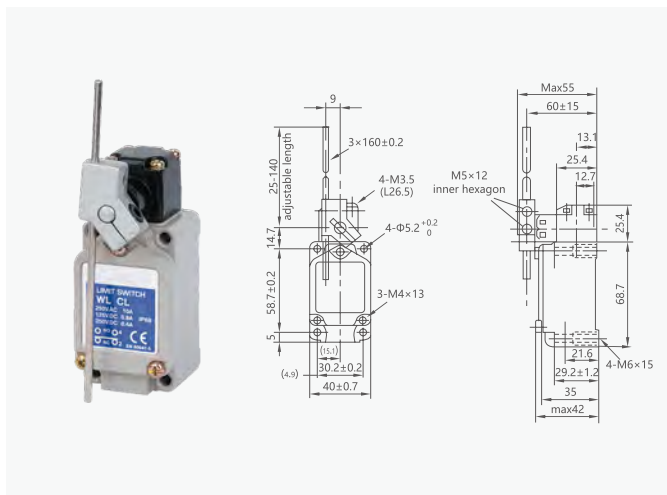
WL CA12



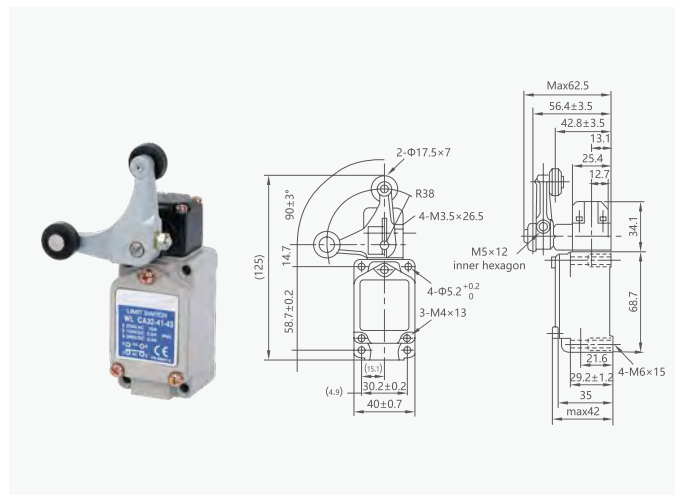
WL CA12-2



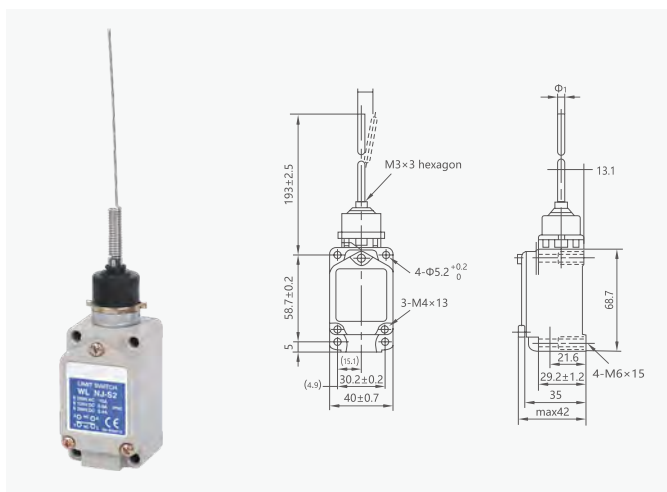
WL CL



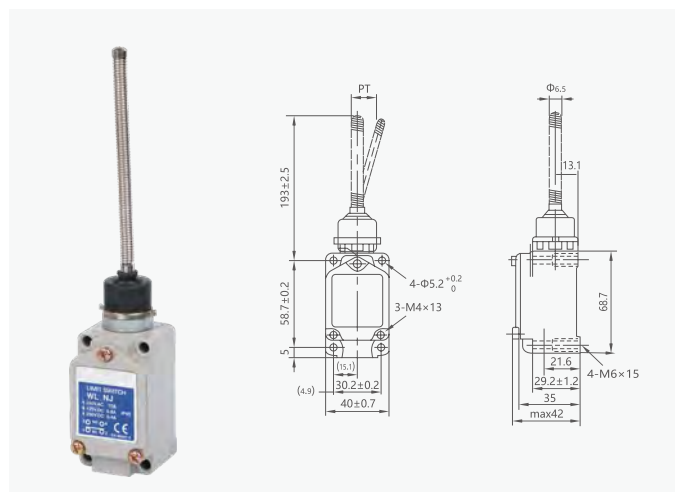
WL CA32-41-43



WL NJ-S2



WL NJ

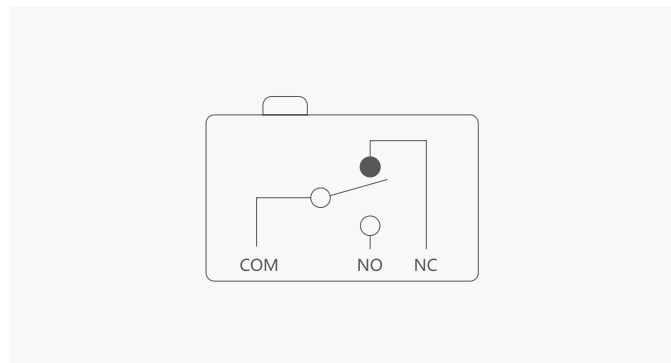


Z-15 Micro Switch

Technical data

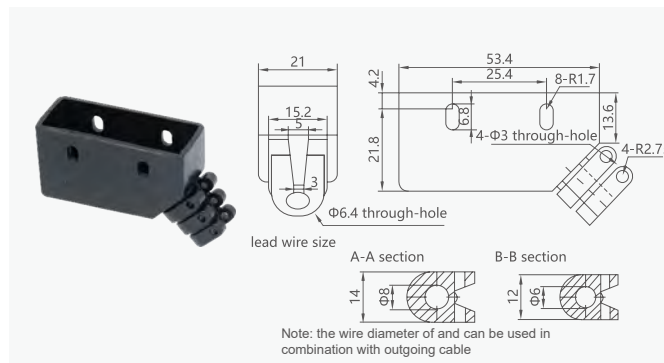
Item	Data
Operation speed	0.1mm to 1m/Sec
Contact resistance	Mechanically: 240 times/minute Electically: 20 times/Minute
Insulation resistance	100mΩ above(at 500VDC)
Vibration	Under 20mΩ(initial)
Humidity	Non-contact end: 1000VAC, 50/60Hz for one minute Current parts and noncurrent parts and end and connect oposition: 2000VAC, 50/60Hz for one minute
Service life	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
Bearing voltage	Below 85%RH
Action frequency	Mechanical: 20000000 times above (at rated ot) Electrical: 500000 times above

Wiring diagram

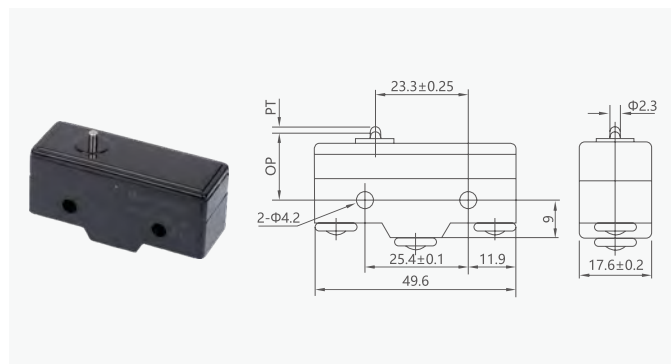


Overall and mounting dimensions(mm)

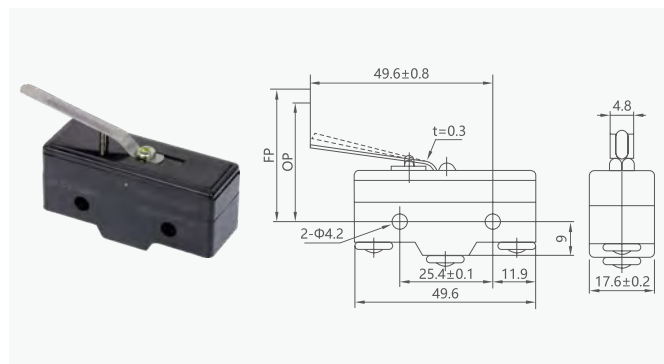
JM-COVER



Z-15G-B

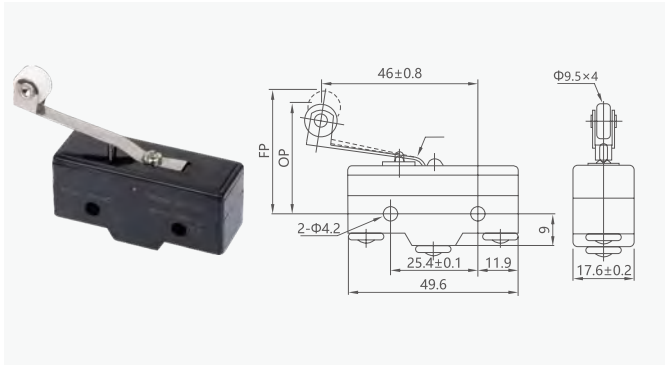


Z-15GL-B

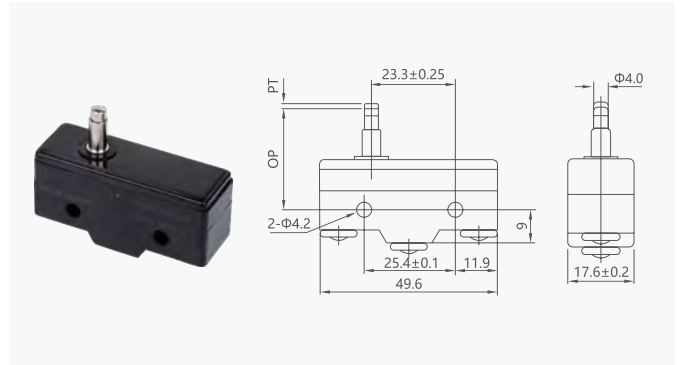


Z-15 Micro Switch

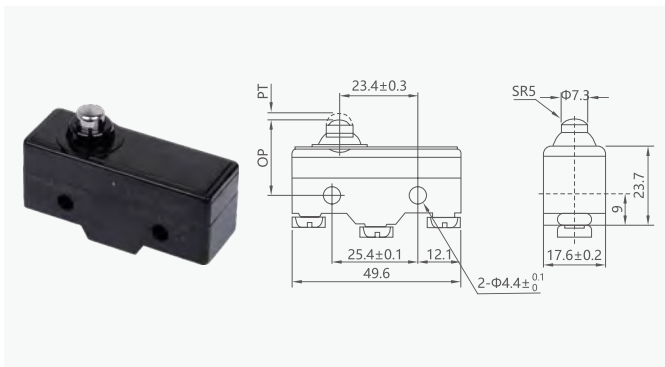
Z-15GL2-B



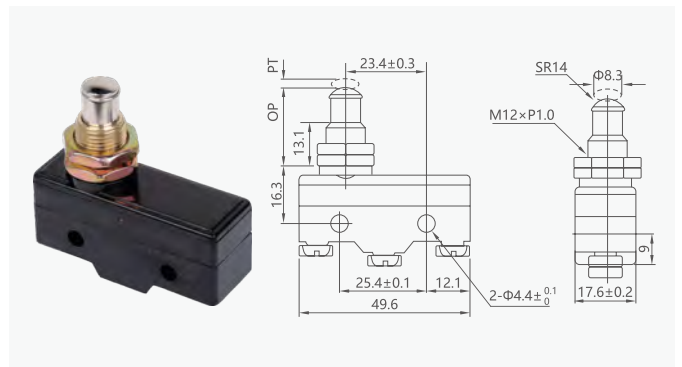
Z-15GS-B



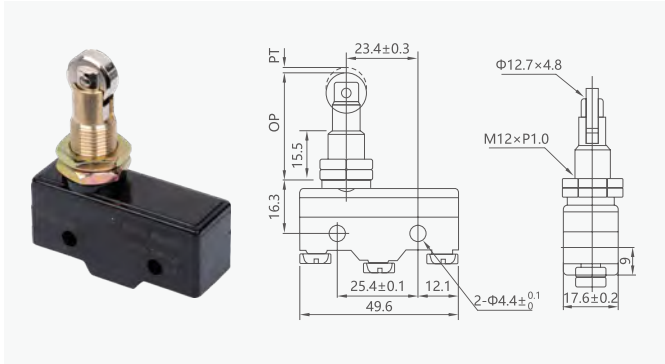
Z-15GD-B



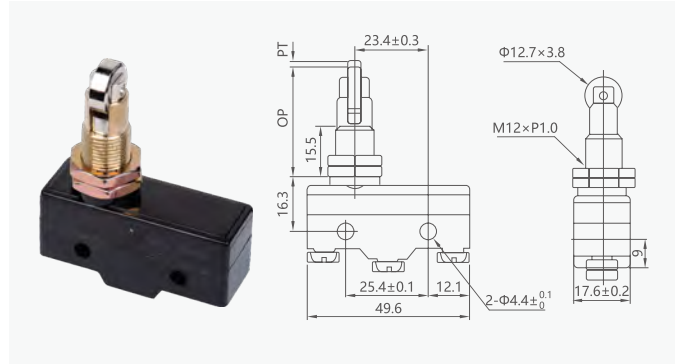
Z-15GQ-B



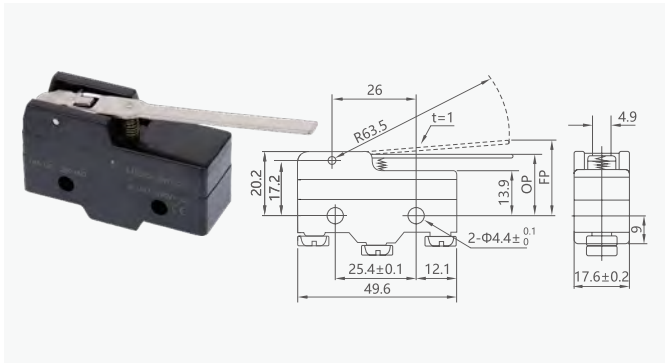
Z-15GQ22-B



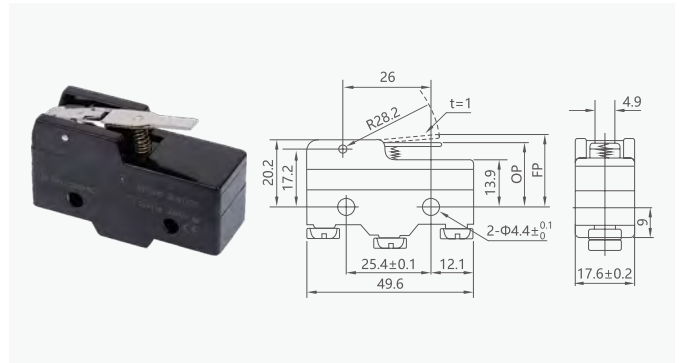
Z-15GQ21-B



Z-15GW-B



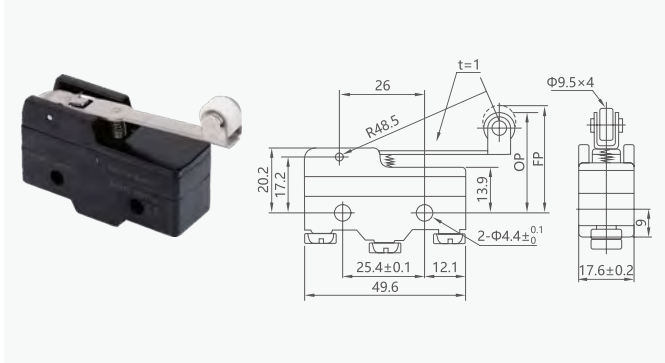
Z-15GW21-B



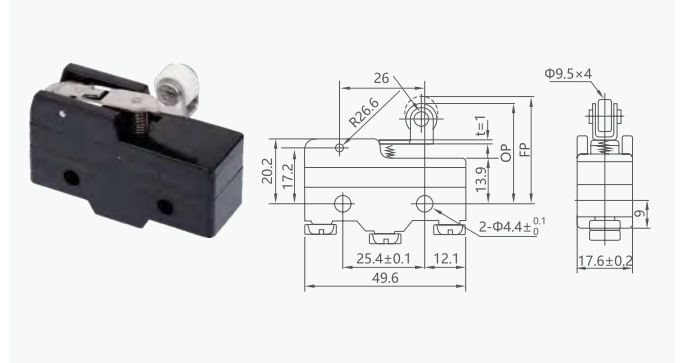
Industrial Equipment & Switches

Z-15 Micro Switch

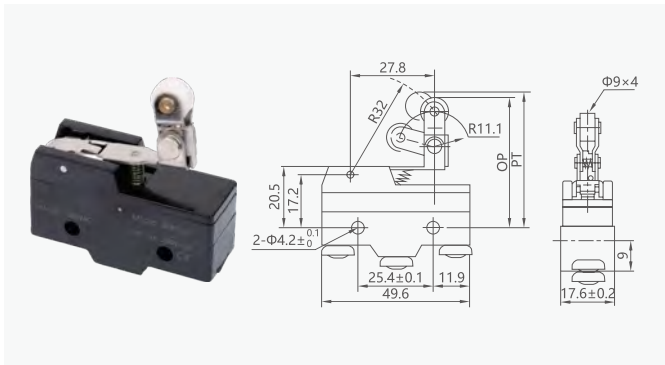
Z-15GW2-B



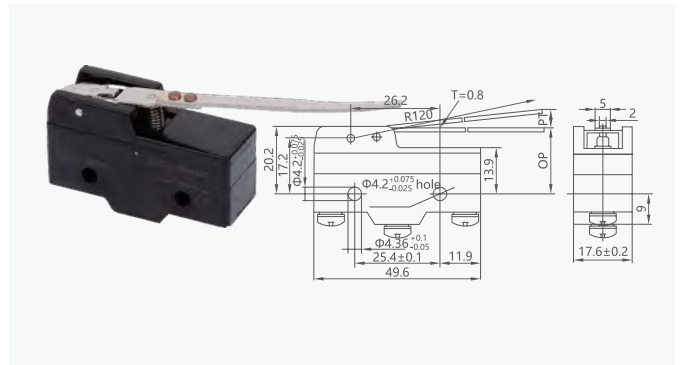
Z-15GW22-B



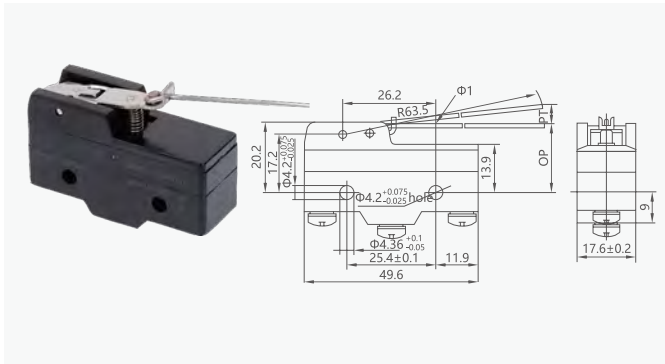
Z-15GW2277-B



Z-15HW24-B



Z-15HW78-B



Industrial Equipment & Switches

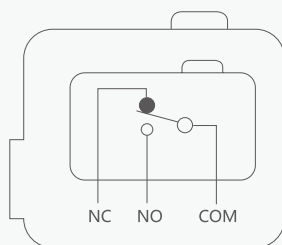
D4MC Micro Switch

Technical data

Item		Data
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 frequenc	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

Operation speciality	Mode							
	D4MC-5000	D4MC-5020	D4MC-5040	D4MC-1020	D4MC-1000	D4MC-2000	D4MC-2020	
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	
OP								
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	

Wiring diagram

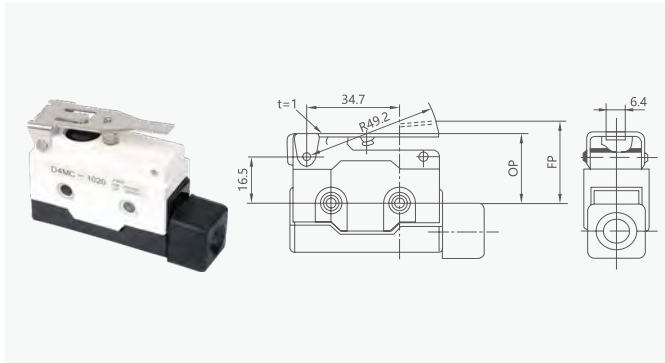


Industrial Equipment & Switches

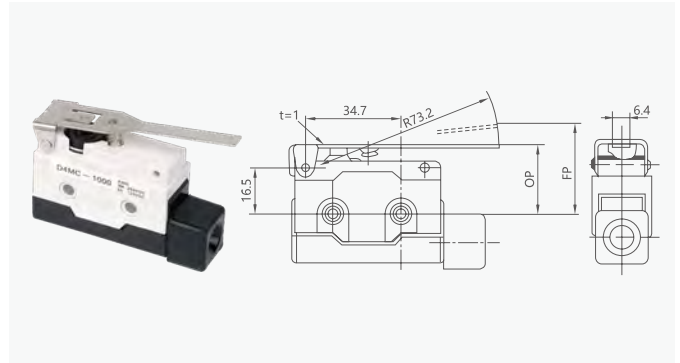
D4MC Micro Switch

Overall and mounting dimensions(mm)

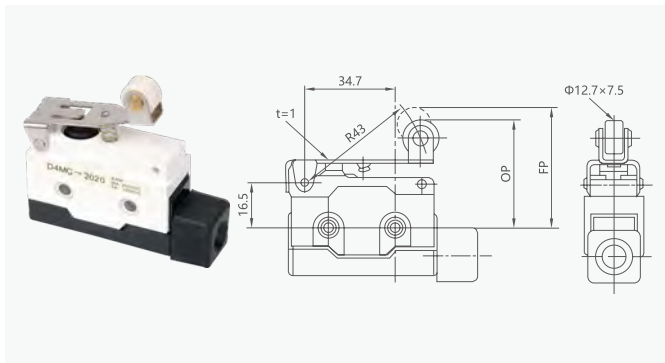
D4MC-1020



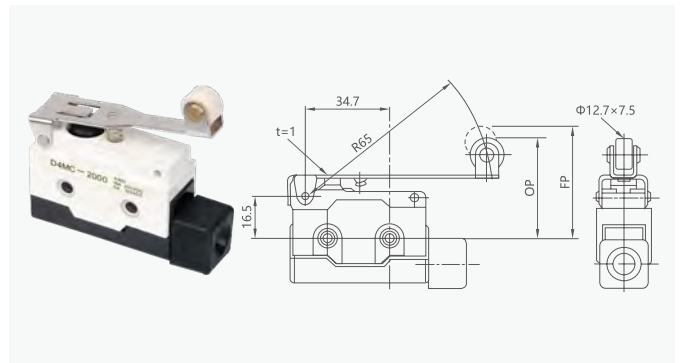
D4MC-1000



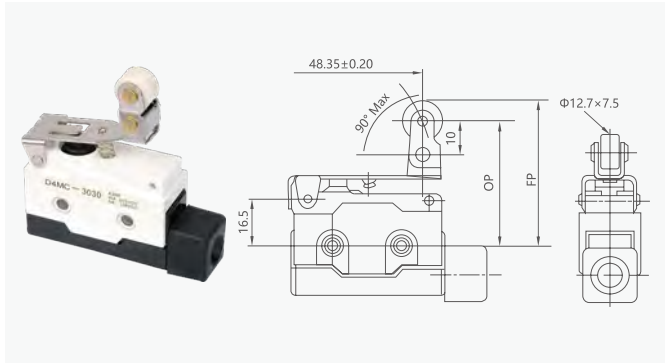
D4MC-2020



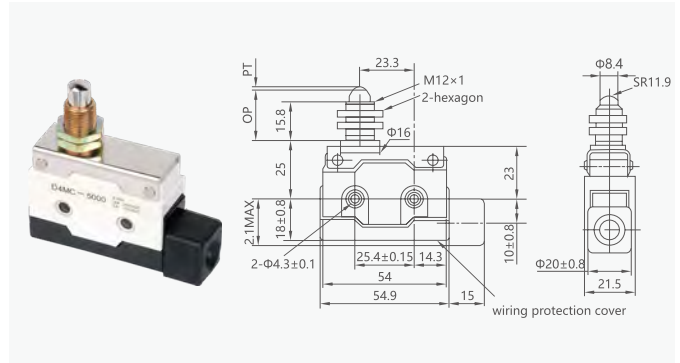
D4MC-2000



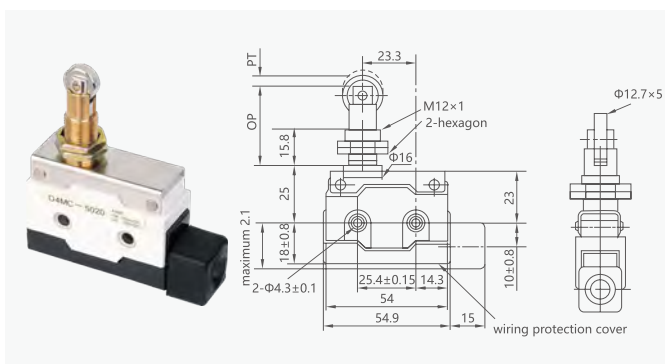
D4MC-3030



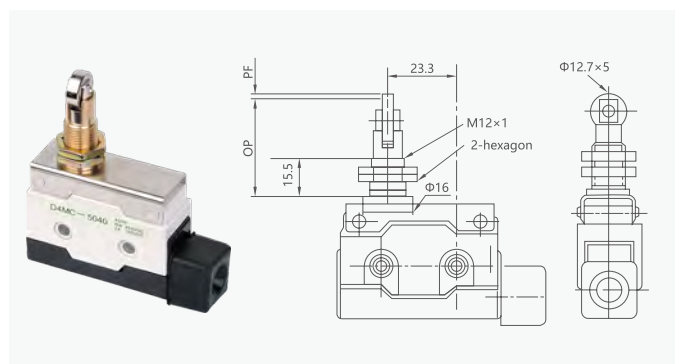
D4MC-5000



D4MC-5020



D4MC-5040



AZ Micro Switch

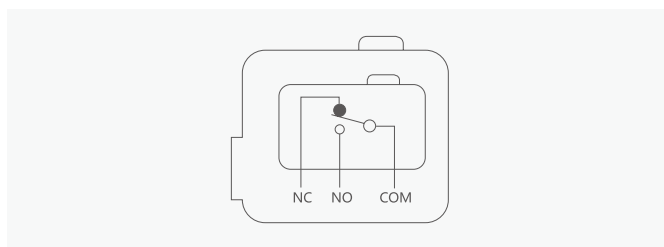
Technical data

Item	Data
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
Service life	Mechanical: 1000000 times above (at rated ot); Electrical: 500000 times above
Protection structure	IEC specification: IP65

Features

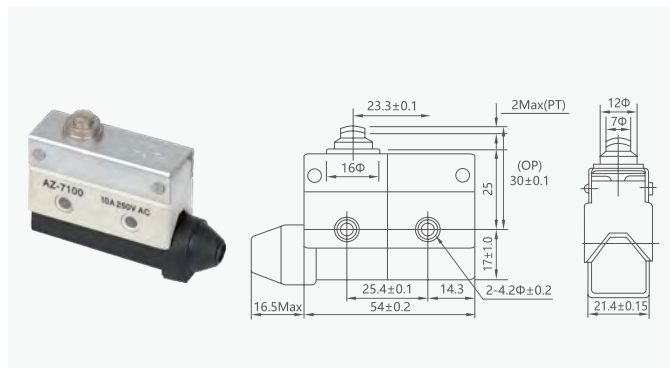
1. Side mount switches
2. Momentary contacts
3. Wide choice of heads and actuators
4. Sealed actuators
5. Completely sealed construction
6. Plastic sealed housing

Wiring diagram

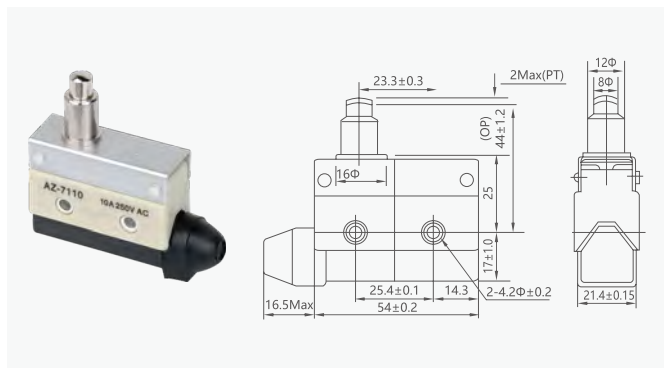


Overall and mounting dimensions(mm)

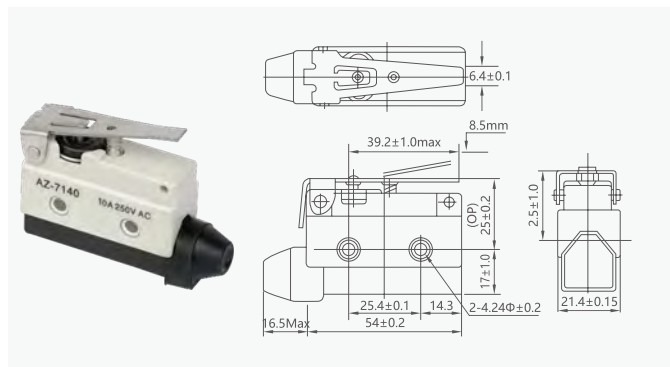
AZ-7100



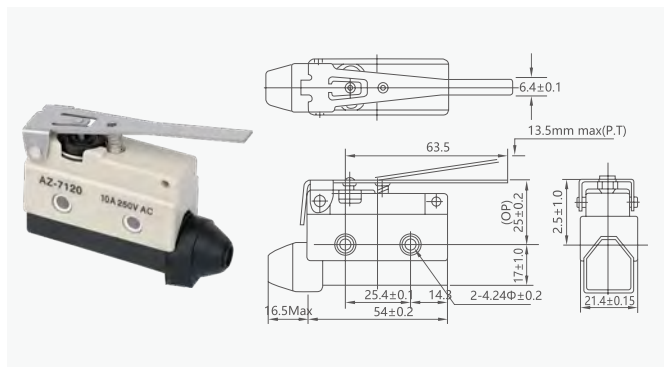
AZ-7110



AZ-7140



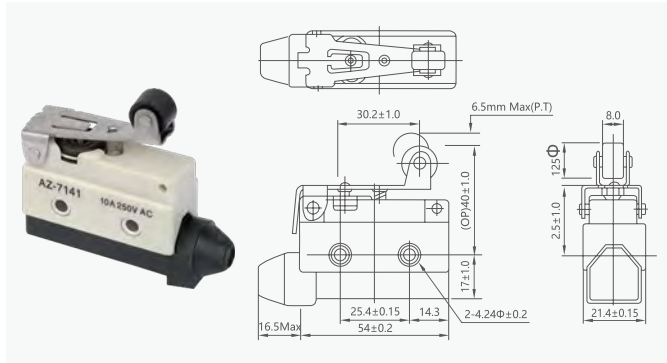
AZ-7120



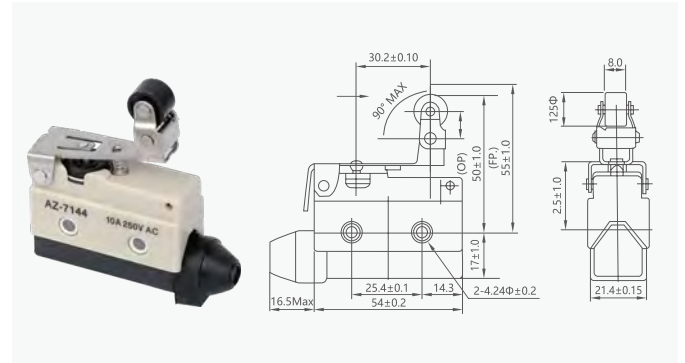
Industrial Equipment & Switches

AZ Micro Switch

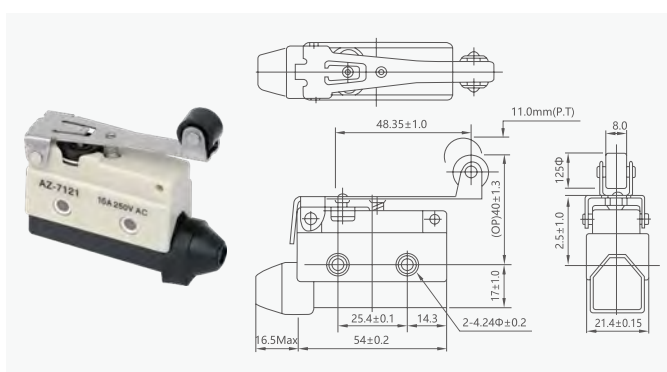
AZ-7141



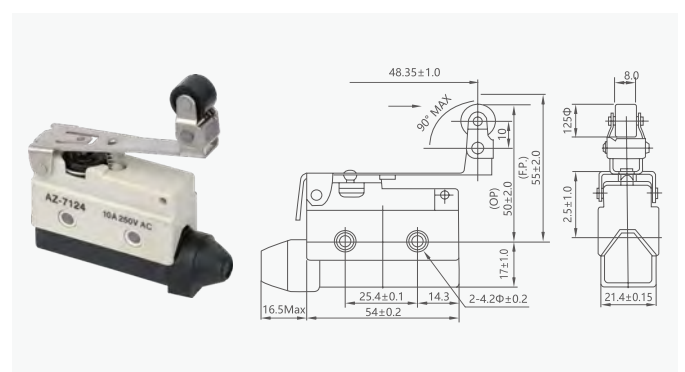
AZ-7144



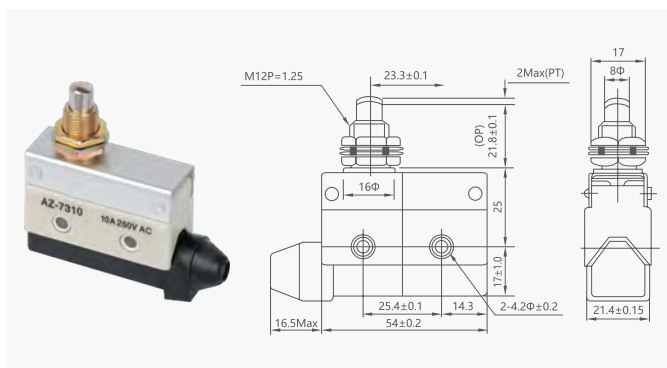
AZ-7121



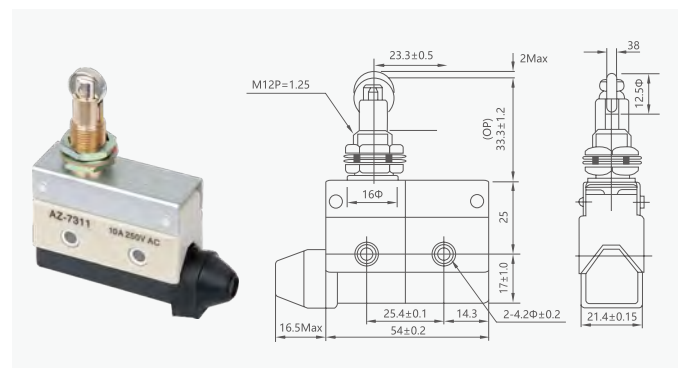
AZ-7124



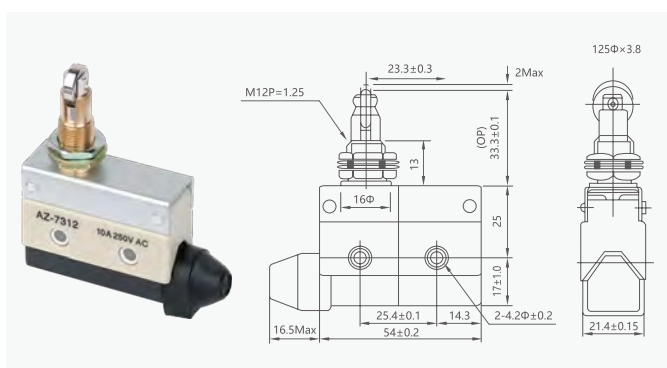
AZ-7310



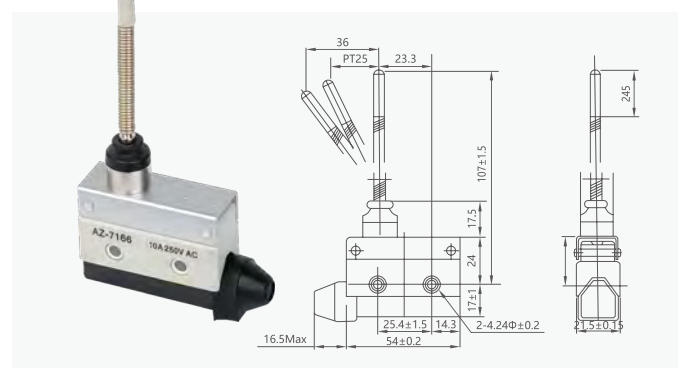
AZ-7311



AZ-7312



AZ-7166

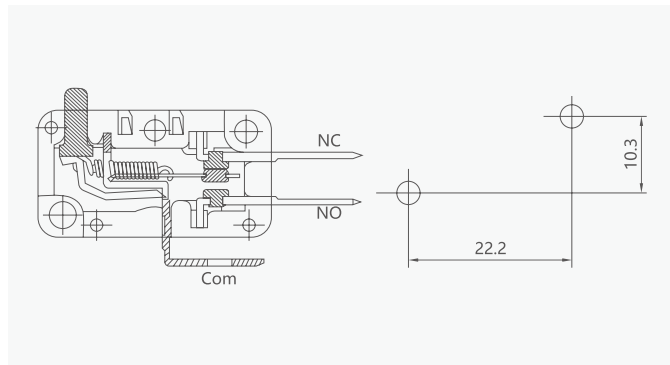


V-15 Micro Switch

Technical data

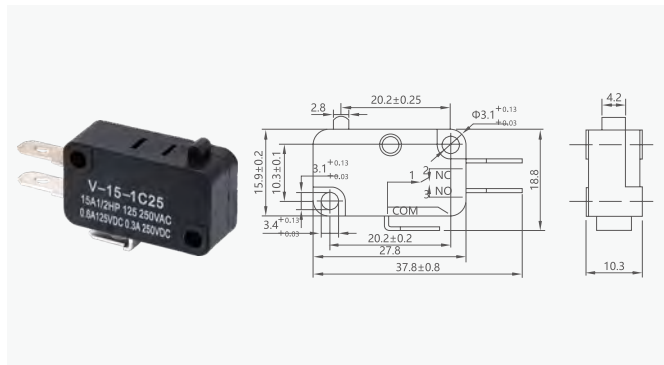
Item	Data
Operation speed	0.1mm to 1m/Sec
Action frequency	Mechanical: 600 times/minute Electical: 60 times/Minute
Contact resistance	Under 15mΩ(initial)
Insulation resistance	100mΩ above(at 500VD)
Bearing voltage	Non-contact end: 1000VAC, 50/60Hz for one minute Current parts and noncurrent parts and end and connect oposition: 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
Service life	Mechanical: 5000000 times above (at rated ot) ; Electrical: 100000 times above
Protection structure	IEC specification: IP65

Wiring diagram

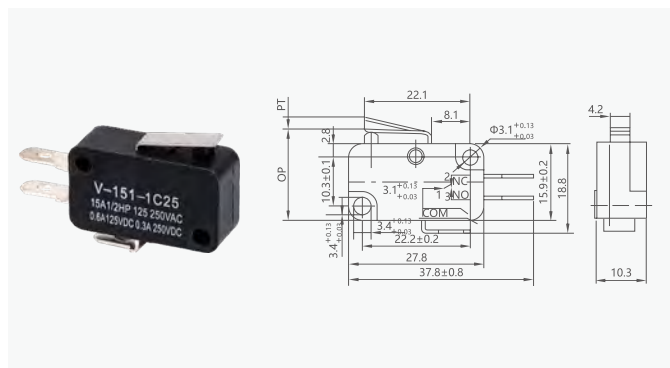


Overall and mounting dimensions(mm)

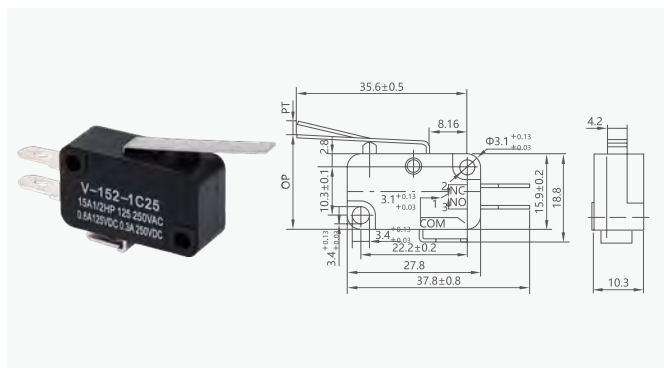
V-15-1C25



V-151-1C25



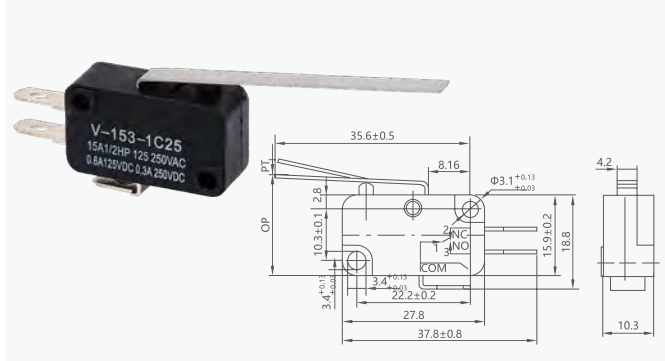
V-152-1C25



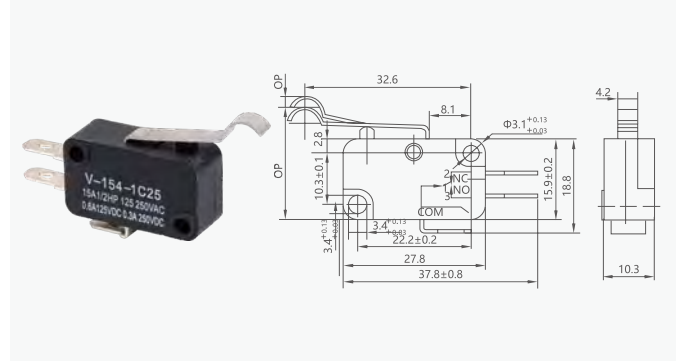
Industrial Equipment & Switches

V-15 Micro Switch

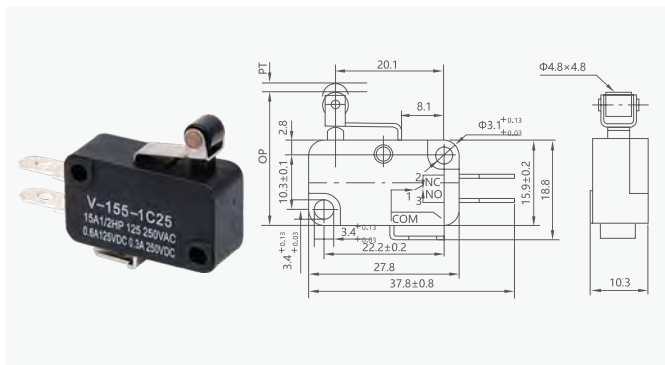
V-153-1C25



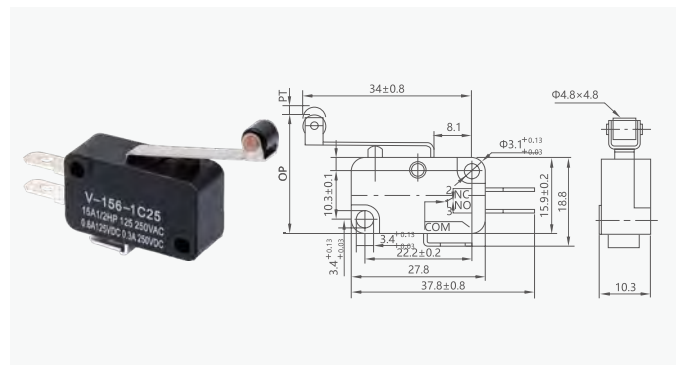
V-154-1C25



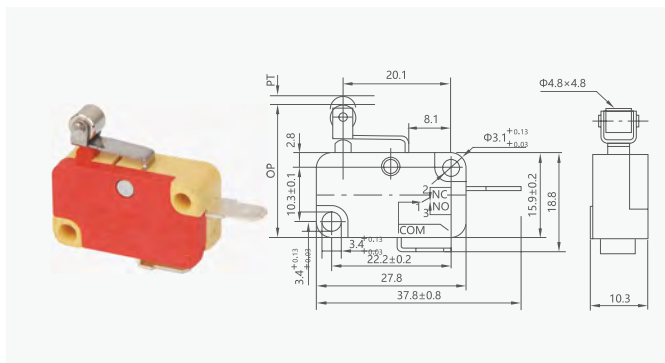
V-155-1C25



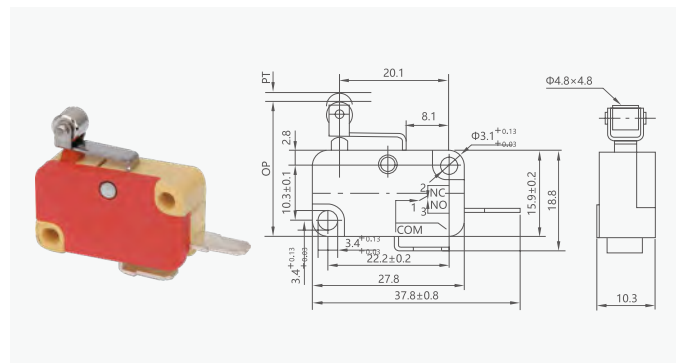
V-156-1C25



V-155-2C25



V-155-3C25



Pedal Switch

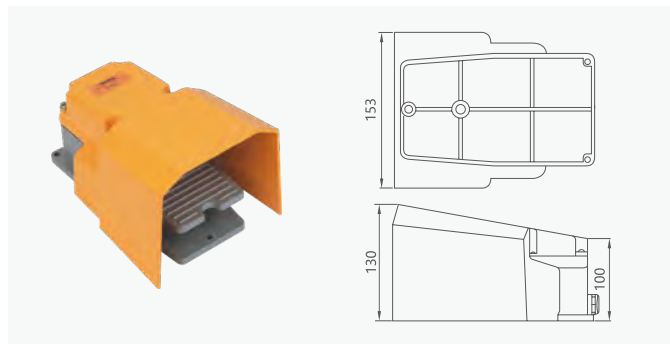
Features

The pedal switch is to serve at the control circuit of AC 50~60Hz, AC380V, DC220V and current of 3~21A to control electrical unit machine tool and medical equipment.

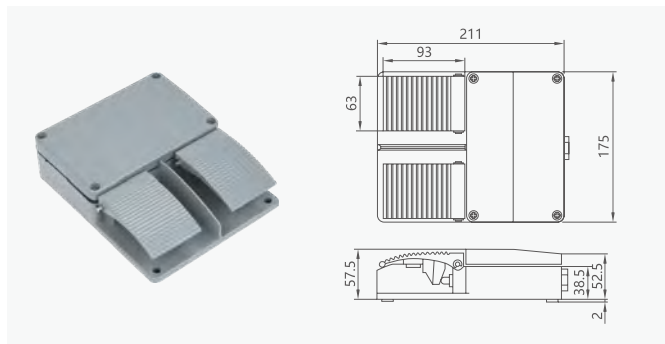
Standard: IEC337-1

Overall and mounting dimensions(mm)

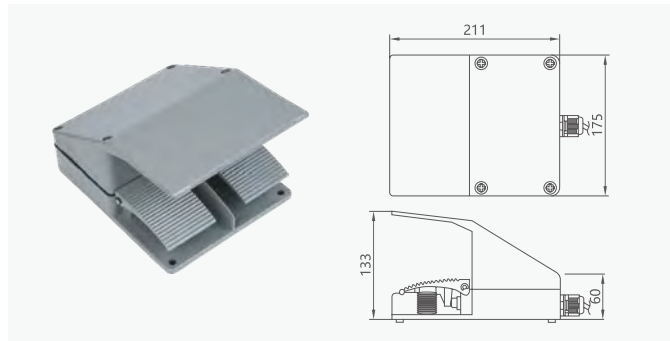
SFMS-1 Aluminum shell



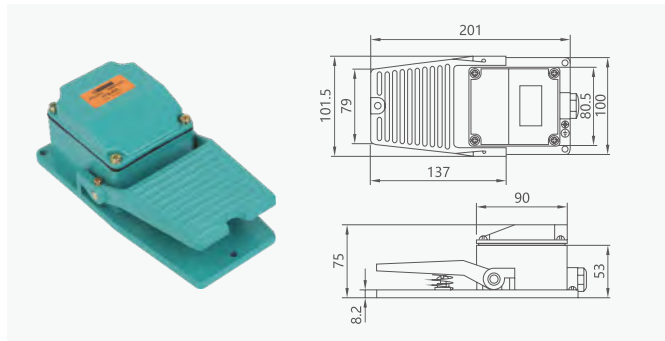
FMS-10 Aluminum shell



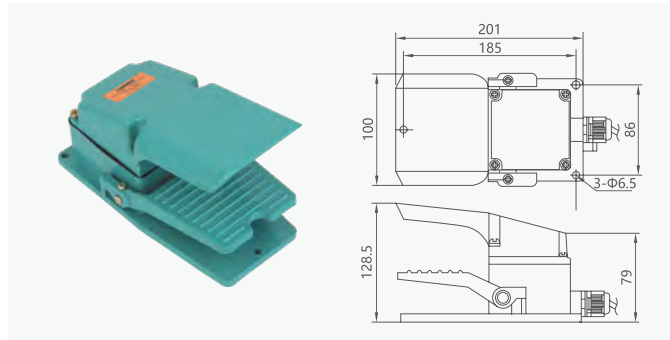
FMS-15 Aluminum shell



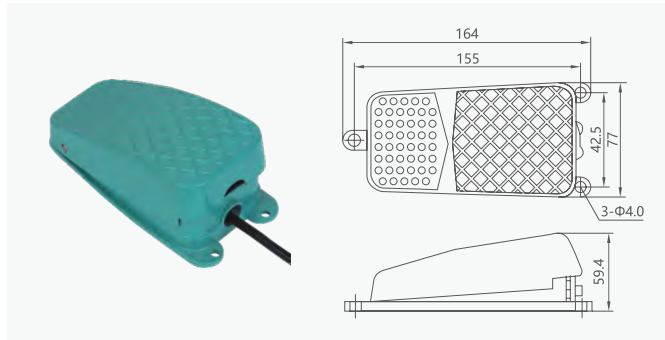
SFM-1 Aluminum shell



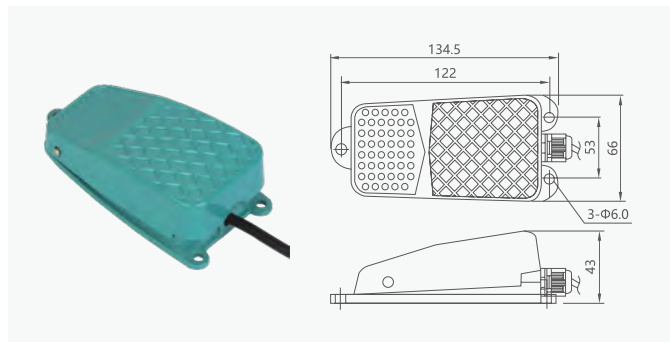
SFMP-1 Aluminum shell



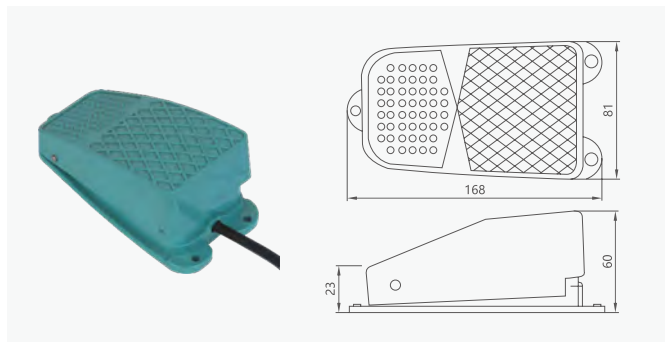
FS-3 Aluminum shell (Medium-sized)



FS-2 Aluminum shell



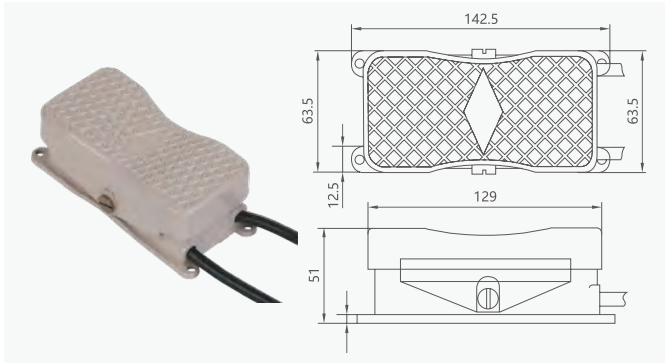
FS-101 Plastic shell (Large)



Industrial Equipment & Switches

Pedal Switch

YDT1-101 Aluminum shell (Inverted CIS)



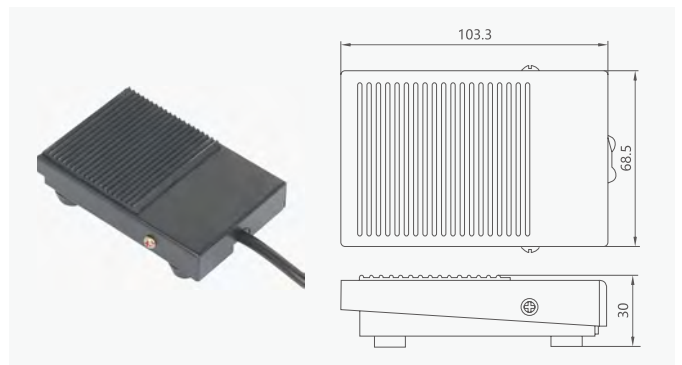
D8107 Plastic shell



VFS-201 Plastic shell



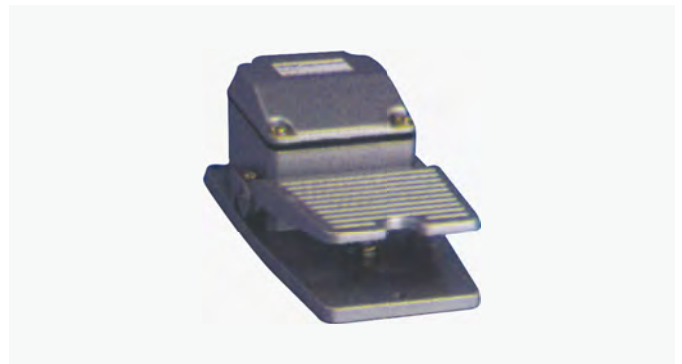
FS-1 Ironclad



FS-01 Plastic shell



SFM-5



YC-16H



KH-8012



LW28 Universal Changeover Switch



20A



20A-V



20A-A



63A



160A

General

LW28 Series Universal changeover switch mainly used for AC 50/60Hz, 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. standard: IEC60947-3

Operating conditions

1. The ambient air temperature does not exceed +40°C, the average temperature within 24 hours and not more than +35°C.The ambient air temperature is not lower than -5°C.
2. Installation site altitude does not exceed 2000m
3. 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 reaches 90%.
4. Special measures should be taken for condensation occassionally due to temperature changes.

Type designation

For use to master control

LW28	Rated thermal current	Poles	Station
LW28	20	2P	2
Universal changeover switch	10:10A	2P	2
	20:20A	3P	3
	25:25A	4P	4
	32:32A	5P	5
	63:63A	6P	6
	125:125A		6
	160:160A		7
	200:200A	V: Voltage meter A: Ammeter	
	315:315A		
	400:400A		

Note: If there are special wiring requirements, please provide the wiring diagram or contact us



Industrial equipment and switches

LW28 Universal Changeover Switch

General

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

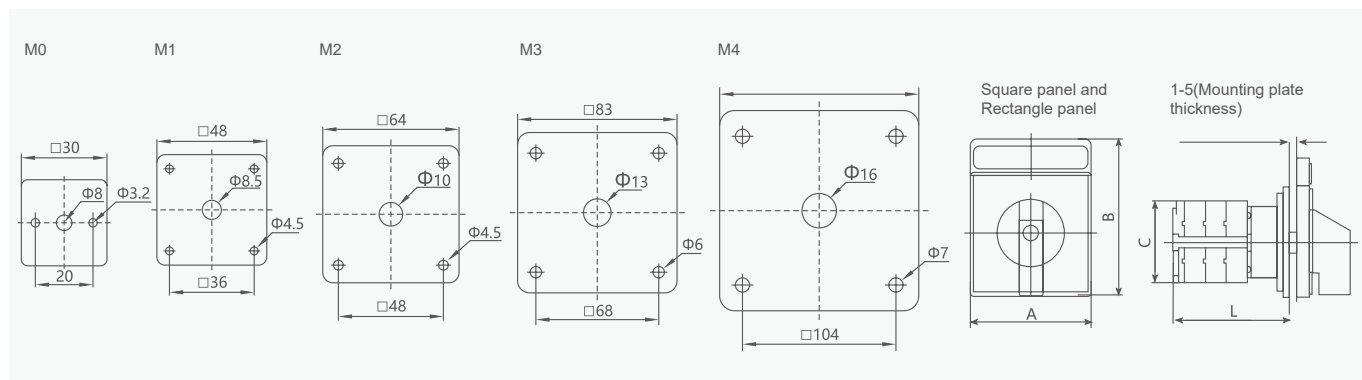
Table 2

Model	Ith A	Ui V	Ue V	AC-21A	AC-22A	AC-23A		AC-2		AC-3		AC-4		AC-15	DC-13
				Ie A	Ie A	Ie A	P kW	Ie A	P kW	Ie A	P kW	Ie A	P kW	Ie A	Ie A
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
	20	660	120												5
LW28-25	25	660	440		25	22	11	22	11	15	7.5	6.5	3	5	
	25	660	240											8	1.5
	25	660	120		32	30	15	30	15	22	11	11	5.5		9
LW28-32	32	660	440											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
	M2 Rectangle	64	80	60	42.5+12.6n		M3 Square	88	88	66	29.2+21.5n
LW28-25	M3 Square	88	88	60	42.5+12.6n	LW28-125	M3 Square	88	88	84	35+26.5n
	M1 Square	48	48	45.2	23+12.8n	LW28-160	M3 Square	88	88	88	35+32.5n
	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						



LW26 Universal Changeover Switch



General

LW26 Series Universal changeover switch mainly used for AC 50/60Hz, 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.

standard: IEC60947-3

Operating conditions

1. The ambient air temperature does not exceed +40°C, the average temperature within 24 hours and not more than +35°C.The ambient air temperature is not lower than -5°C.
2. Installation site altitude does not exceed 2000m
3. 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 reaches 90%.
4. Special measures should be taken for condensation occasionally due to temperature changes.

Type designation

For use to master control

LW26	Rated thermal current	Poles	Station
LW26	20	2P	2
Universal changeover switch	10:10A	2P	2
	20:20A	3P	3
	25:25A	4P	4
	32:32A	5P	5
	63:63A	6P	6
	125:125A		7
	160:160A		
	200:200A		
	315:315A		
	400:400A		
		V: Voltage meter A: Ammeter	

Note: If there are special wiring requirements, please provide the wiring diagram or contact us



Industrial equipment and switches

LW26 Universal Changeover Switch

General

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

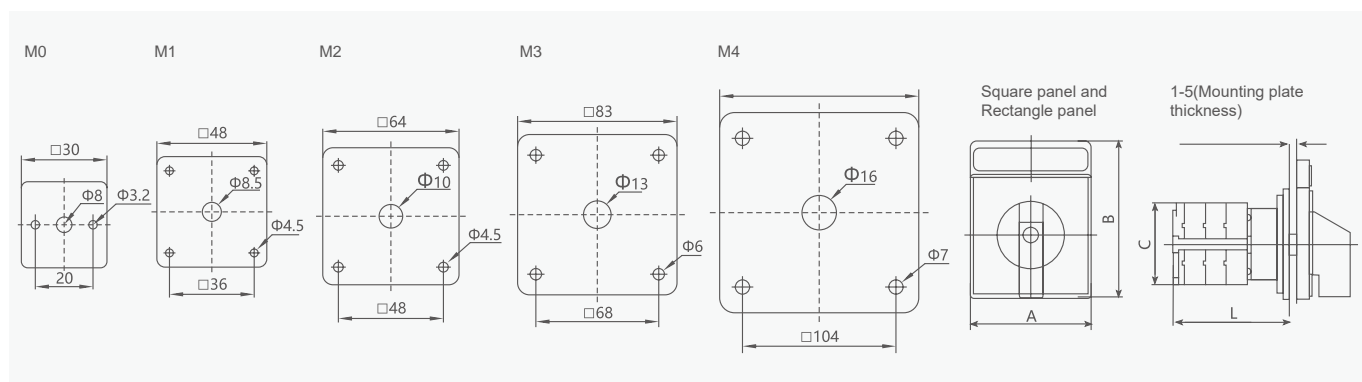
Table 2

Model	Ith A	Ui V	Ue V	AC-21A	AC-22A	AC-23A		AC-2		AC-3		AC-4		AC-15	DC-13
				Ie A	Ie A	Ie A	P kW	Ie A	P kW	Ie A	P kW	Ie A	P kW	Ie A	Ie A
LW26-10	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	
LW26-20	20	660	440		20	15	7.5	15	7.5	11	5.5	3.5	1.5	4	
	20	660	240											5	1
	20	660	120												5
LW26-25	25	660	440		25	22	11	22	11	15	7.5	6.5	3	5	
	25	660	240											8	1.5
	25	660	120		32	30	15	30	15	22	11	11	5.5		9
LW26-32	32	660	440											6	
	32	660	240											14	11
	32	660	120												25
LW26-63	63	660	440		63	57	30	57	30	36	18.5	15	7.5		
	63	660	120												55
LW26-125	125	660	440		125	90	45	90	45	75	30	30	12		90
LW26-160	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
LW26-10	M0 Square	30	30	26	22+8n	LW26-32	M2 Square	64	64	58	29.2+12.8n
LW26-20	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
	M2 Rectangle	64	80	43	25+9.6n		LW26-63	M2 Square	64	64	66
LW26-20c	M2 Square	64	64	60	42.5+12.6n	M2 Square		64	80	66	29.2+21.5n
	M2 Rectangle	64	80	60	42.5+12.6n	M3 Square		88	88	66	29.2+21.5n
	M3 Square	88	88	60	42.5+12.6n	LW26-125	M3 Square	88	88	84	35+26.5n
LW26-25	M1 Square	48	48	45.2	23+12.8n	LW26-160	M3 Square	88	88	88	35+32.5n
	M1 Rectangle	48	60	45.2	23+12.8n	LW26-315	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						



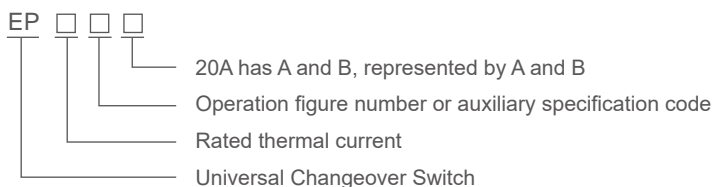
EP Universal Changeover Switch



General

EP is 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 switches.

Type designation



Technical data

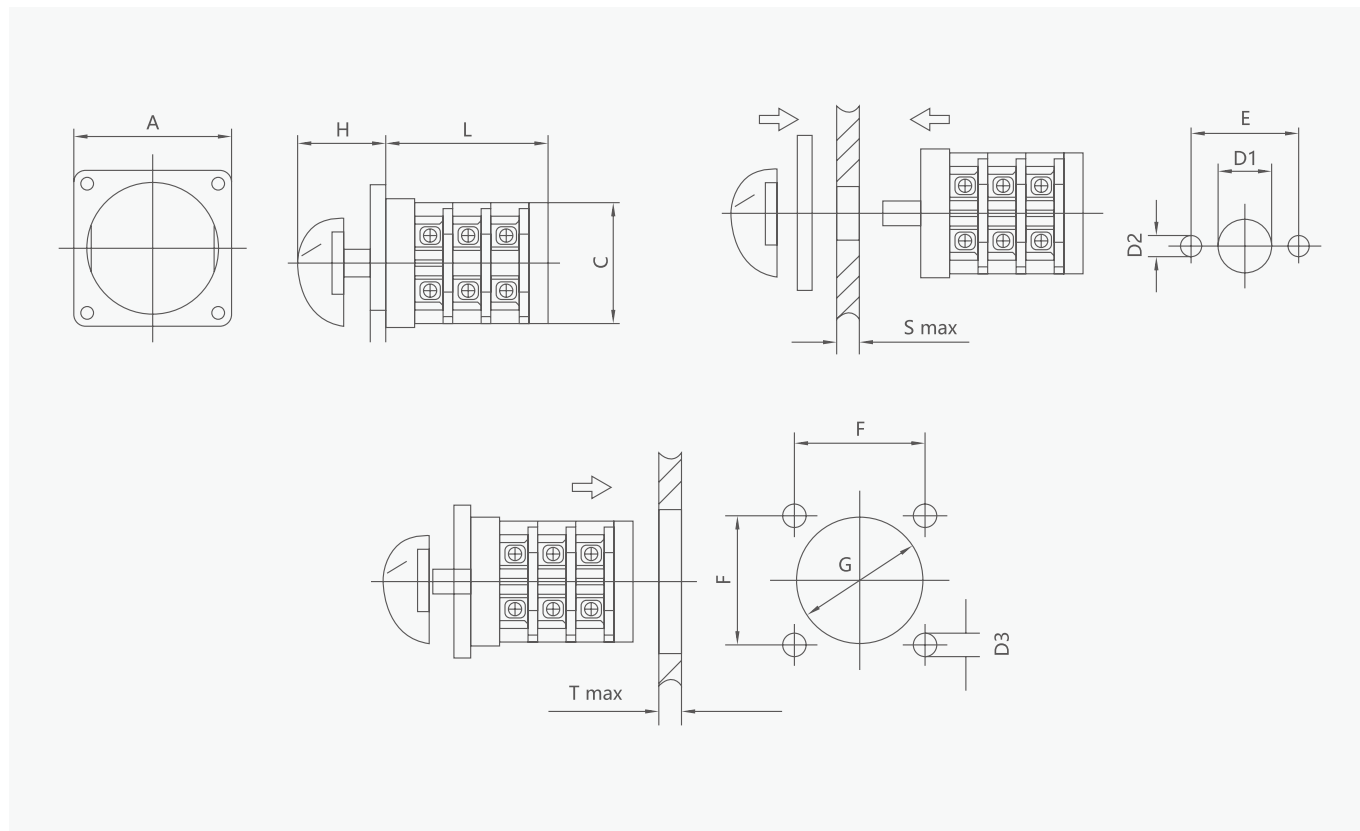
Model specification		EP-20				EP-25				EP-32					
Rated thermal current	A	20				25				32					
Rated operating voltage	V	110	220	440		110	220	440	500	690	110	220	400	500	690
Rated operating current	AC-21A	A		20						25					32
	AC-22A	A		6						20					32
	DC-20	A	20			25					32				
Rated control frequency	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	50					75							
Rated operating voltage	V	110	220	440	500	690	110	220	400	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

Overall and mounting dimensions(mm)



Technical data

Model specification	Model specification	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

General

The multi-stage selector switch is a multi-purpose product, which can be widely used from the power switch to the CNC control panel. In terms of power switch use, alloy silver contacts should be used due to its high voltage and high current. On the CNC control panel, gold contacts should be used due to its low voltage and low current. It should be clearly distinguished, and the general products do not clearly mark the two, which will increase the damage rate or cause poor contact. In view of this, the company has launched a multi-stage switch with different types of force, where the high voltage, high current and low voltage, low current are distinguished by blue and white, to achieve the effect of work and prolong the life of the product.



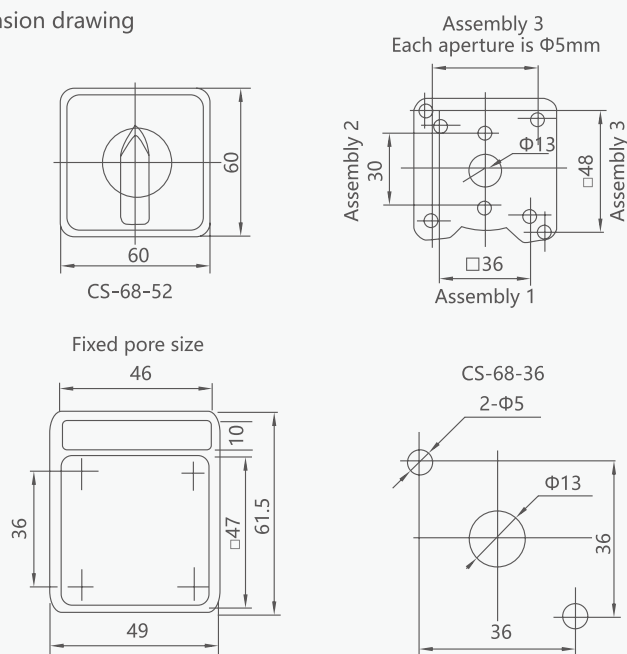
Technical data

	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°
Number of switching segments	2-12	2-3

Overall and mounting dimensions(mm)

Dimension drawing



LW28GS Padlock Type Power Cut Off Switch



General

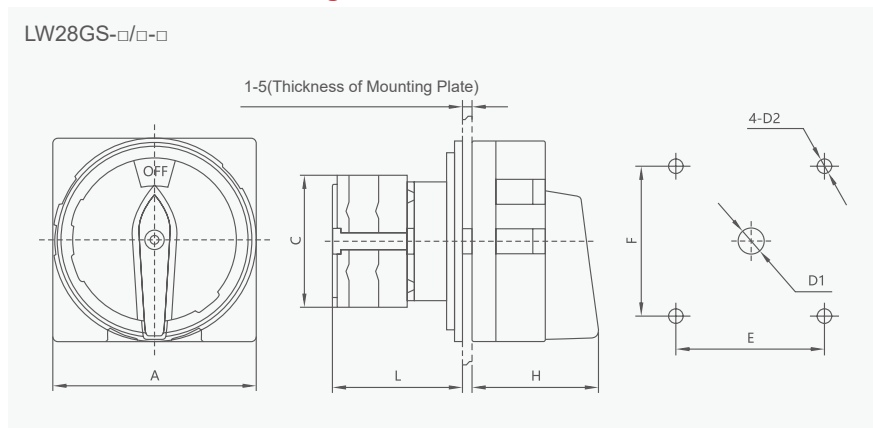
LW28GS series Padlock type Power cut off switch is derived product of LW28 universal changeover switch. The main use to the power cut-off switch of machine tool that can be locked by a padlock, in the open position("O" or "OFF")and on position ("1" or "ON")can be locked by a padlock to prevent the misuse 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	100	150
	AC-22A	20	25	32	63	100	150
	AC-23A	15	22	30	57	90	135
Rated control frequency	AC-23A	7.5	11	15	30	45	75
	No-load	8500	8500	8500	8500	8500	8500
Operating cycle P kW	Load	1500	1500	1500	1500	1500	1500
	The total load	10000	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

LW26GS Padlock Type Power Cut Off Switch

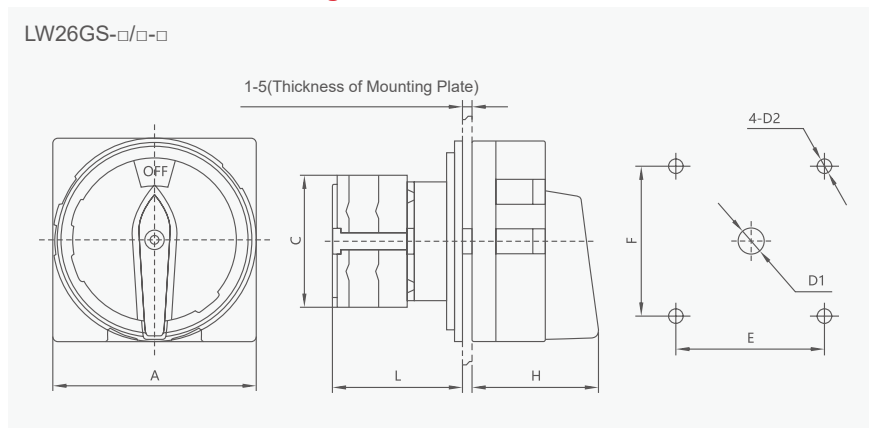


General

LW26GS series Padlock type Power cut off switch is derived product of LW26 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		LW26GS-20	LW26GS-25	LW26GS-32	LW26GS-63	LW26GS-125	LW26GS-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	100	150
	AC-22A	20	25	32	63	100	150
	AC-23A	15	22	30	57	90	135
Rated control frequency	AC-23A	7.5	11	15	30	45	75
	No-load	8500	8500	8500	8500	8500	8500
Operating cycle P kW	Load	1500	1500	1500	1500	1500	1500
	The total load	10000	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
LW26GS-20/04-1	M1	□48	43	42	33	36	36	φ8.5	φ4.5
LW26GS-20/04-2	M2	□64	43	43	42	48	48	φ10	φ4.5
LW26GS-25/04-1	M1	□48	45.2	50	33	36	36	φ8.5	φ4.5
LW26GS-25/04-2	M2	□64	45.2	51	42	48	48	φ10	φ4.5
LW26GS-32/04-2	M2	□64	58	55	42	48	48	φ10	φ4.5
LW26GS-32/04-3	M3	□88	58	55	52	68	68	φ13	φ6
LW26GS-63/04-2	M2	□64	66	72.5	42	48	48	φ10	φ4.5
LW26GS-63/04-3	M3	□88	66	72.5	52	68	68	φ13	φ6
LW26GS-125/04-3	M3	□88	84	88	52	68	68	φ13	φ6
LW26GS-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

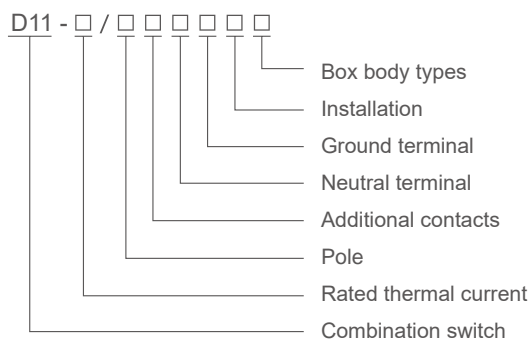
General

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

General

1. The ambient air temperature does not exceed +40°C, the average temperature within 24 hours should be 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 should be no more than 50% when the maximum temperature is +40°C and a lower temperature allows a higher relative humidity, for example, when temperature is 20°C the relative humidity reaches 90%.When occasional condensation occurs due to temperature change, special measures should be taken.

Type designation



Features

1. Security
Insulation distance of the switch contact point is large, to achieve 13-14mm, exceeds the safety requirements VDE0113 in many cases, and the safety level of this switch exceeds that of various existing circuit breakers in the world.
2. Flexible installation type
Switches can be applied as panel type, you can also apply bottom mount, and 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 that can increase the adaptability of additional contacts easily.
3. Easy installation
The built-in screw prevents manual slipping and facilitates the best performance of pneumatic or electric tools, ensuring safety and speed of installation.



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

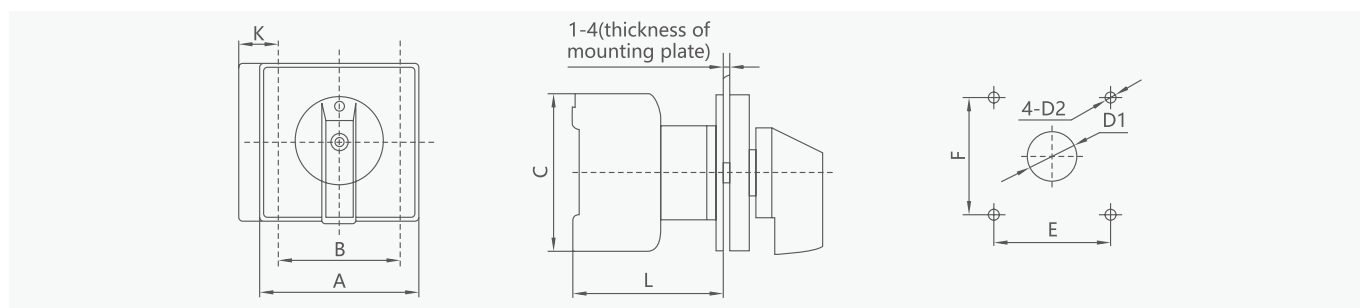
Fixed pore size

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
	ON-OFF	6P	64	48	4	4	22	-	84	54	62
D11-40 D11-63	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
	ON-OFF	3P+N+E	64	48	4	4	22	82	-	64	67
	ON-OFF	6P	64	48	4	4	22	-	100	64	67
D11-80 D11-100	ON-OFF	3P	64	48	4	5.5	22	70	-	80	82
	ON-OFF	4P	64	48	4	5.5	22	92	-	80	82
	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

E

Technical data

Switch model	Use categories	IEC/BS/VE 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



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

LW26,LW28,YCD12 Sealed Type Power Cut off Switch



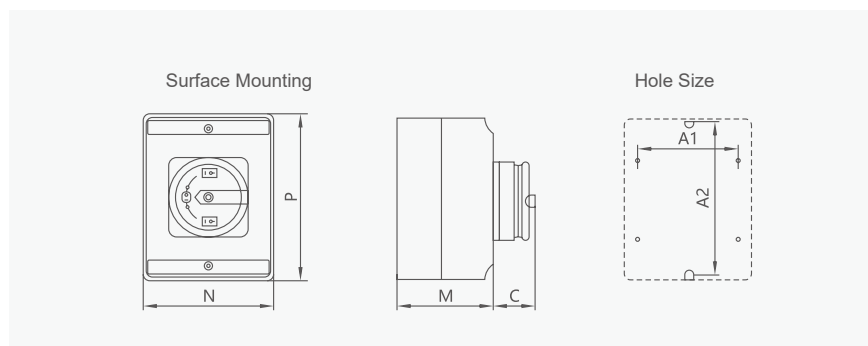
16A-20A



25A-32A

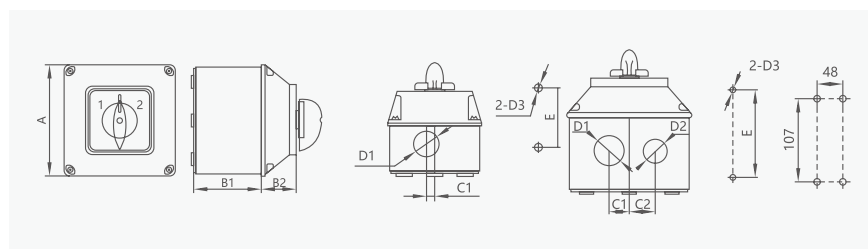
Technical data

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



Technical data

Model specification	Dimensions(mm)					Mounting dimensions(mm)				
	A	B1	B2	C1	C2	D1	D2	D3	E	F
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	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	
LW28-32	□113	100.5	35.5	18	23.5	φ27	φ21	φ5	78	
LW28-63	□133	70.5	35.5	18	23.5	φ27	φ21	φ5	78	
LW28-63	□133	100.5	35.5	18	23.5	φ27	φ21	φ5	78	
LW28-125	□148	92	45	22	25	φ30	φ21	φ5	107	48
LW28-125	□148	152	45	22	25	φ30	φ21	φ5	107	48
LW28-160	□148	92	45	22	25	φ30	φ21	φ5	107	48
LW28-160	□148	152	45	22	25	φ30	φ21	φ5	107	48

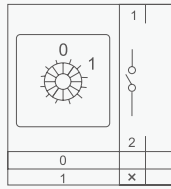


Industrial equipment and switches

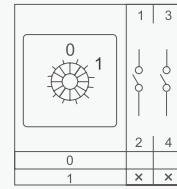
LW26,LW28,YCD12 Sealed Type Power Cut off Switch

Wiring diagram of LW28,EP,CS-68, LW28 with shell

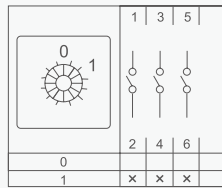
2 positions 0-1 1P



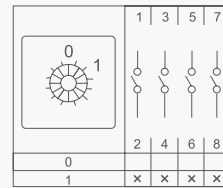
2 positions 0-1 2P



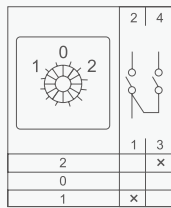
2 positions 0-1 3P



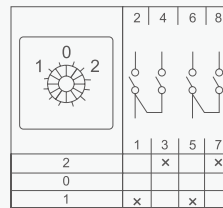
2 positions 0-1 4P



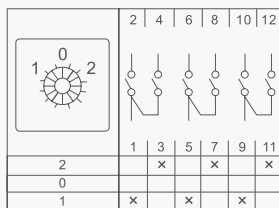
3 positions 1-0-2 1P



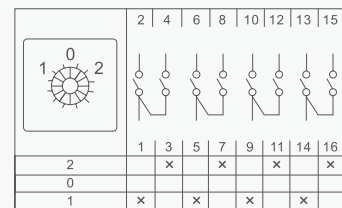
3 positions 1-0-2 2P



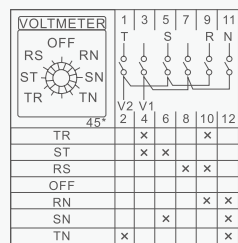
3 positions 1-0-2 3P



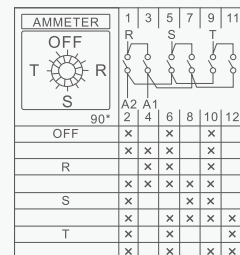
3 positions 1-0-2 4P



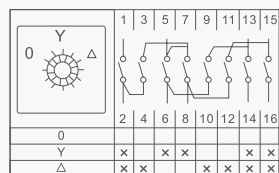
7 positions Voltmeter 3P



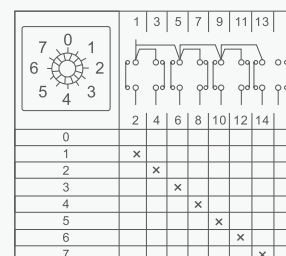
4 positions Ammeter 3P



3 positions star delta 4P



8 positions Ammeter 4P

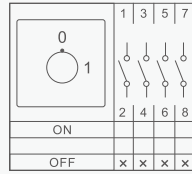


Industrial equipment and switches

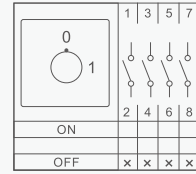
LW26,LW28,YCD12 Sealed Type Power Cut off Switch

Wiring diagram of LW28GS ,LW28GS with shell

LW28GS 2 positions OFF ON 4P

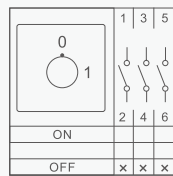


LW28GS with shell

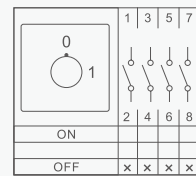


Wiring diagram of D11

2 positions OFF ON 3P

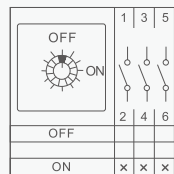


2 positions OFF ON 4P

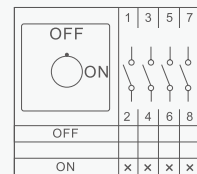


Wiring diagram of YCD12

IP65 2 positions 0-1 3P



IP65 2 positions 0-1 4P



Industrial equipment and switches

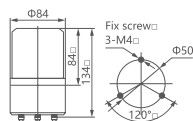
Warning Light

1081 Warning light $\Phi 80$



Bulb/Revolving

Outer Size



Color



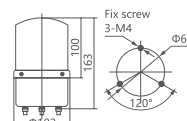
Model	Voltage	Light power
LTE1081	DC12V	5W
LTE1081J	DC24V	
LTD1081	AC110V	
LTD1081J	AC220V	

1101 Warning light $\Phi 100$



Bulb/Revolving

Outer Size



Color



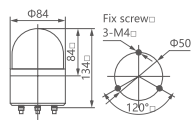
Model	Voltage	Light power
LTE1101	DC12V	10W
LTE1101J	DC24V	
LTD1101	AC110V	
LTD1101J	AC220V	

1082 Warning light $\Phi 80$



Bulb/Revolving

Outer Size



Color



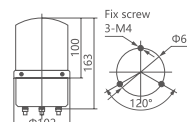
Model	Voltage	Light power
LTE1082	DC12V	5W
LTE1082J	DC24V	
	AC110V	
	AC220V	

5101 Warning light $\Phi 100$



LED/Strobe

Outer Size



Color



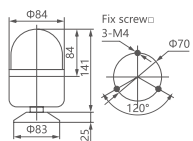
Model	Voltage	Light power
LTE5101	DC12V	2W
LTE5101J	DC24V	
	AC110V	
	AC220V	

1083 Warning light $\Phi 80$



Bulb/Revolving

Outer Size



Color



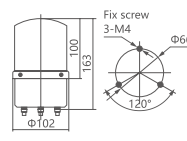
Model	Voltage	Light power
LTE1083	DC12V	5W
	DC24V	
	AC110V	
	AC220V	

1102 Warning light $\Phi 100$



Bulb/Revolving

Outer Size



Color



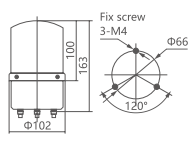
Model	Voltage	Light power
LTE1102	DC12V	10W
	DC24V	
LTE1102J	AC110V	
	AC220V	

5102 Warning light $\Phi 100$



LED/Strobe

Outer Size



Color



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

Industrial equipment and switches

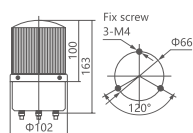
Warning Light

1103 Warning light $\Phi 100$

 Bulb/Revolving



Outer Size



Color



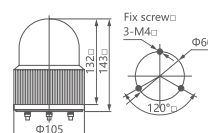
Model	Voltage	Light power
LTE1103	DC12V DC24V AC110V	10W
LTE1103J	AC220V	

1105 Warning light $\Phi 100$

 Bulb/Revolving



Outer Size



Color



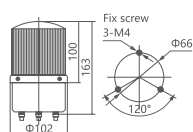
Model	Voltage	Light power
LTE1105	DC12V DC24V AC110V	5W
LTE1105J	AC220V	

5103 Warning light $\Phi 100$

 LED/Strobe



Outer Size



Color



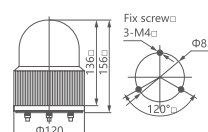
Model	Voltage	Light power
LTE5103	DC12V DC24V AC110V	2W
LTE5103J	AC220V	

1122 Warning light $\Phi 120$

 Bulb/Revolving



Outer Size



Color



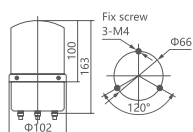
Model	Voltage	Light power
LTE1122	DC12V DC24V AC110V	10W
LTE1122J	AC220V	

1104 Warning light $\Phi 100$

 Bulb/Revolving



Outer Size



Color



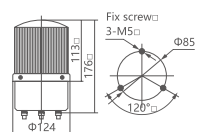
Model	Voltage	Light power
LTE1104	DC12V DC24V AC110V	10W
LTE1104J	AC220V	

1121 Warning light $\Phi 120$

 Bulb/Revolving



Outer Size



Color



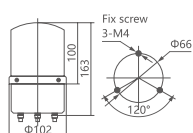
Model	Voltage	Light power
LTE1121	DC12V DC24V AC110V AC220V	10W
LTE1121J		
LTD1121		
LTD1121J		

5104 Warning light $\Phi 100$

 LED/Strobe



Outer Size



Color



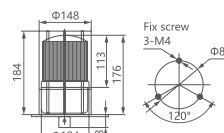
Model	Voltage	Light power
LTE5104	DC12V DC24V AC110V	2W
LTE5104J	AC220V	

1121 Warning light $\Phi 120$

 Bulb/Revolving



Outer Size



Color




Model	Voltage	Light power
LTG1121S	DC12V DC24V AC110V AC220V	10W

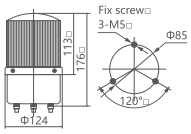
Industrial equipment and switches

Warning Light

5121 Warning light $\Phi 120$

 LED/Strobe

Outer Size




Color

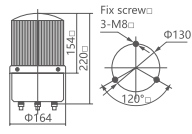
- Red
- Yellow
- Green
- Blue

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

5161 Warning light $\Phi 160$

 LED/Strobe

Outer Size




Color

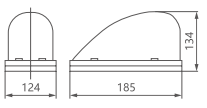
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTE5161	DC12V DC24V AC110V	2W
LTD5161	AC220V	

1201 Warning light

 Bulb/Revolving

Outer Size




Color

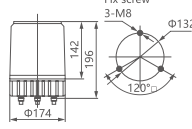
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTD1201	DC12V DC24V	23W

1181 Warning light $\Phi 180$

 Bulb/Revolving

Outer Size




Color

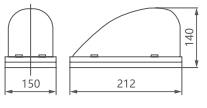
- Red
- Yellow
- Green
- Blue

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

1201J Warning light

 Bulb/Revolving

Outer Size




Color

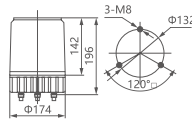
- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTD1201J	DC12V DC24V	23W

5181 Warning light $\Phi 180$

 LED/Strobe

Outer Size




Color

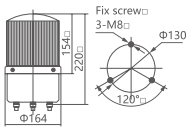
- Red
- Yellow
- Green
- Blue

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

1161 Warning light $\Phi 160$

 Bulb/Revolving

Outer Size




Color

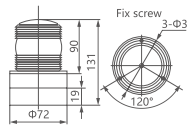
- Red
- Yellow
- Green
- Blue

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

5072 Flash beacon $\Phi 70$

 Bulb/Flashing

Outer Size



Color

- Red
- Yellow
- Green
- Blue

Model	Voltage	Light power
LTD5072	DC6V	2W

Industrial equipment and switches

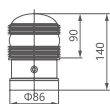
Warning Light

5088 Flash beacon $\Phi 80$

 Bulb/Revolving



Outer Size



Color



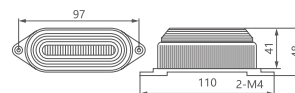
Model	Voltage	Light power
LTD5088	DC6V	2W

3051 Strobe beacon

 LED/Flashing



Outer Size



Color



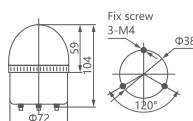
Model	Voltage	Light power
LED3051	DC12V DC24V AC220V	2W

2071 Flash beacon $\Phi 70$

 Bulb/Revolving



Outer Size



Color



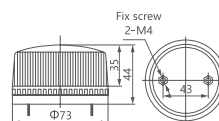
Model	Voltage	Light power
LTE2071	DC12V DC24V AC220V	15W
LTD2071		

3071 Strobe beacon $\Phi 70$

 Xenon Strobe



Outer Size



Color



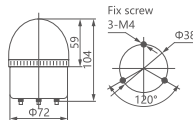
Model	Voltage	Light power
LTE3071	DC12V DC24V AC220V	10W

5071 Flash beacon $\Phi 70$

 Bulb/Revolving



Outer Size



Color



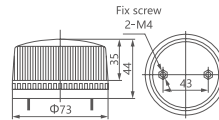
Model	Voltage	Light power
LTE5071	DC12V DC24V AC220V	2W
LTD5071		

3071 Strobe beacon

 LED/Flashing



Outer Size



Color



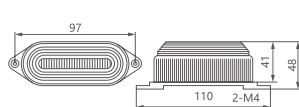
Model	Voltage	Light power
LED3071	DC12V DC24V AC220V	2W

3051 Strobe beacon

 Xenon Strobe



Outer Size



Color



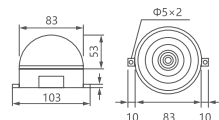
Model	Voltage	Light power
LTE3051	DC12V DC24V AC220V	10W

3072 Strobe beacon $\Phi 80$

 Xenon Strobe



Outer Size



Color



Model	Voltage	Light power
LTE3072	DC12V DC24V AC220V	10W



Industrial equipment and switches

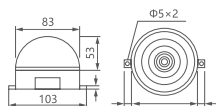
Warning Light

3072 Strobe beacon $\Phi 80$

 LED/Strobe



Outer Size



Color



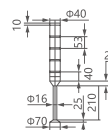
Model	Voltage	Light power
LED3072	DC12V DC24V AC220V	2W

204 Signal tower $\Phi 40$

 Bulb Steady Burn Flashing



Outer Size



Color



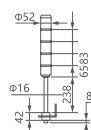
Model	Voltage	Light power	Function
LTA204-1	DC12V	3W	T-Steady burn W-Flash J-With buzzer
LTA204-2		6W	
LTA204-3	DC24V	9W	J-With buzzer
LTA204-4		12W	

205 Signal tower $\Phi 52$

 Bulb Steady Burn Flashing



Outer Size



Color



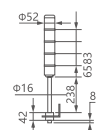
Model	Voltage	Light power	Function
LTA205-1	DC12V	5W	T-Steady burn W-Flash J-With buzzer
LTA205-2		10W	
LTA205-3	DC24V	15W	J-With buzzer
LTA205-4	AC110V	20W	
LTA205-5	AC220V	25W	

505 Signal tower $\Phi 52$

 Bulb Steady Burn Flashing



Outer Size

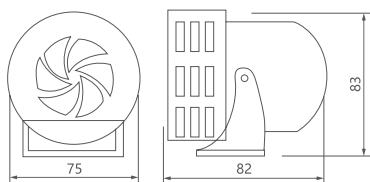


Color



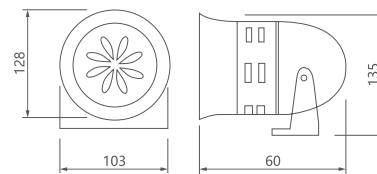
Model	Voltage	Light power	Function
LTA505-1	DC12V	2W	T-Steady burn W-Flash J-With buzzer
LTA505-2		4W	
LTA505-3	DC24V	6W	J-With buzzer
LTA505-4	AC110V	8W	
LTA505-5	AC220V	10W	

MS-190 Mini motor siren



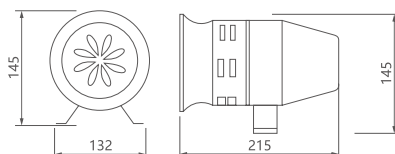
Voltage: DC12V, 24V, AC110V, 220V

MS-290 Motor siren



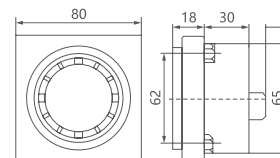
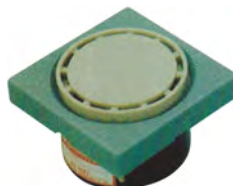
Voltage: DC12V, 24V, AC110V, 220V

MS-390 Motor siren



Voltage: DC12V, 24V, AC110V, 220V

HRB-P80 Buzzer

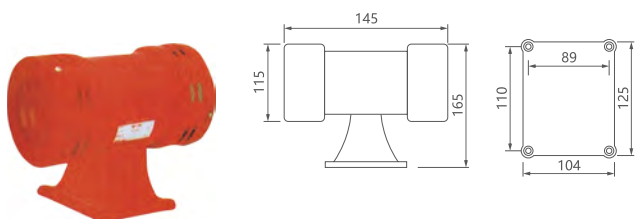


Voltage: DC12V, 24V, AC110V, 220V

Industrial equipment and switches

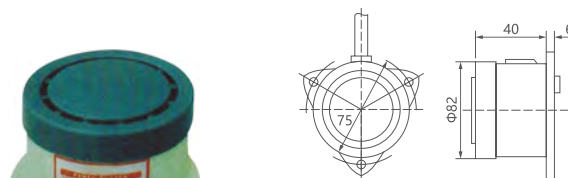
Siren & Buzzer

MS-490 Double motor siren



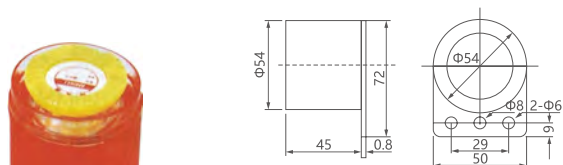
Voltage: AC110V, 230V

HRB-N80 Buzzer



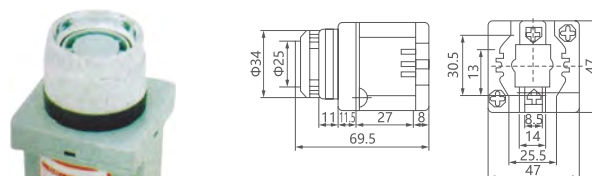
Voltage: DC12V, 24V, AC110V, 220V

BJ-1 Buzzer



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

HPB-PS30 Buzzer



Voltage: DC12V, 24V, AC110V, 220V

WB Alarm electric bell



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

Uc4 Electric bell



Model	Size	Voltage	Diz (mm)
UC4-55MM	2	DC6V	Φ55
UC4-75MM	3	DC12V	Φ75
UC4-100MM	4	DC24V	Φ100
UC4-150MM	6	AC110V	Φ150
UC4-200MM	8	AC120V	Φ200
UC4-250MM	10	AC130V	Φ250
UC4-300MM	12	AC220V	Φ300
		AC230V	
		AC240V	

SCF Electric bell



Model	Size	Voltage	Diz (mm)
SCF-75MM	3	AC110V AC120V AC130V AC220V AC230V AC240V	Φ75
SCF-100MM	4		Φ100
SCF-125MM	5		Φ125
SCF-150MM	6		Φ150
SCF-200MM	8		Φ200
SCF-250MM	10		Φ250
SCF-300MM	12		Φ300