



LAY5 SERIES



13-35

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LAY5

Push button Series



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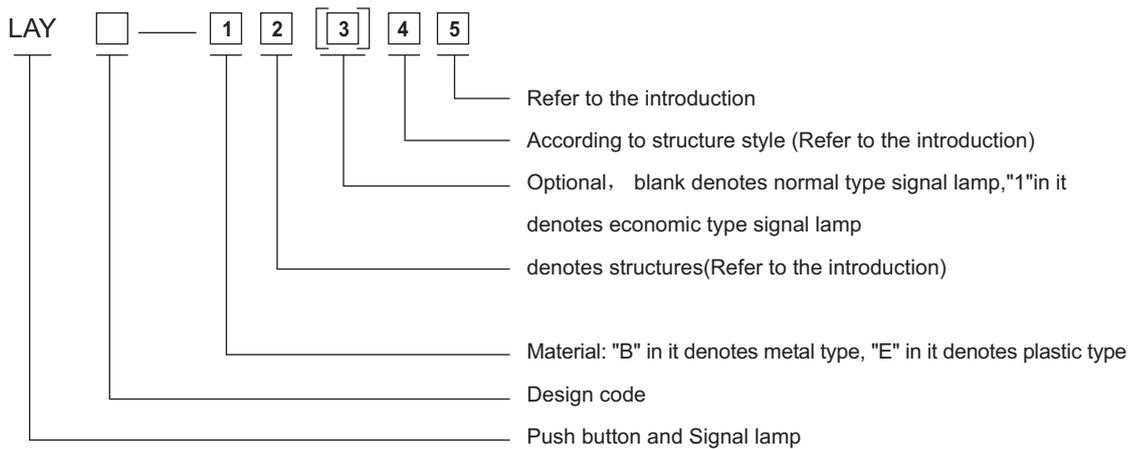
Product instruction



The push button series are used in controlling circuit of AC voltage up to 660V/AC50Hz or 60Hz, and DC voltage below 400V. It is used for controlling signal and interlocking purposes. The main body of the push buttons adopts zinc alloy and high-grade anti-flam plastic. The contact adopts special silver alloy in order to enjoy the benefit of high anti-electrical erosion. The signal lamp series are suitable for electrical appliances circuit of AC voltage up to 380V/50Hz, and DC voltage below 380V. It is ideal for using as indicating signals, warning signals, emergency signals, etc. Our products comply with GB/T14048.1 and IEC60947-5-1, all products are CE, ISO9001, ROHS and UL certified.



Model and meanings



1) Denote middle base material, "B" in it means metal type, "E" in it means plastic type

2) Letters denote structure type:

- | | | | |
|--|-----------------------------|--|----------------------------------|
| A: Flush button | C: Φ 40Mushroom button | R: Φ 60Mushroom button | D: Standard handle knob |
| J: Long handle knob | G: Key switch | L: Convex button | P: Button with water-proof cover |
| S: Turn to release type emergency button | | T: Push and pull type emergency button | |
| W: Button with lamp | K: Switch with lamp | H: Auto-locking economic button | V: Indicator lamp |

3) Optional, blank denotes normal type signal lamp, "1" in it denotes economic type signal lamp

4) The number after U.A.P.C.R.T.L. means color (refer to table a)

The number after D.J.G.K. means the method of rotary switch (refer to table b)

The number after V means the voltage and middle base structure (refer to table c)

The number after S means mushroom head: 4 means Φ 30; 5 means Φ 40; 6 means Φ 60

The number after W means the style of head (refer to table d)

5) The code of contact type: (the number after S means color)

1 means 1NO 2 means 1NC 3 means 2NO 4 means 2NC 5 means 1NO+1NC



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a. Color code

1: White 2: Black 3: Green 4: Red 5: Yellow 6: Blue 7: Clear

b. Number code denotes all rotary knob

2 means 2-Position stay put 3 means 3-Position stay put 4 means 2-Position spring return

5 means 3-Position spring return

c. Voltage Code

3 means 110V~130V Transformer; 4 means 220V~240V Transformer; 5 means 380V Transformer;

6 means 220V~240V direct type; 7 means 220V~240V resistant type; 95 means 415V Transformer

d. This position is defined as follows:

1 means diffusion button with raised smoothness cover

3 means diffusion button with flush smoothness cover

Work environment

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1. Surrounding temperature: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$;

2. Air relative humidity: $\leq 85\%$.

3. It can be normally work under following condition:

Vibration frequency is $2 \sim 80\text{Hz}$ and acceleration speed is 0.7g/h ;

4. Pollution grade is III, installation sort is III, protection grade is up to IP65.

5. Altitude: $\leq 2000\text{m}$

Note:

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PG denotes pure green; PW denotes pure white

Main technical parameter

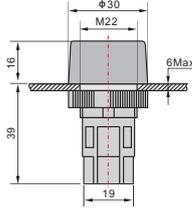
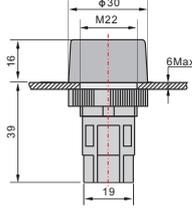
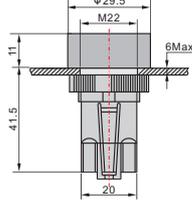
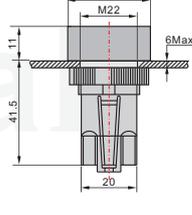
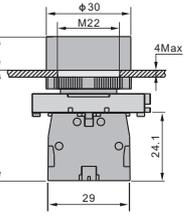
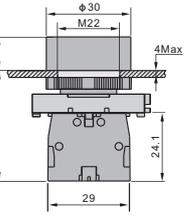
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Basic technical parameter of button		Basic technical parameter of signal lamp	
Rated insulation voltage	AC 600V (50Hz/60Hz)	Insulation resistance	$\geq 50\text{M}\Omega$
Conventional heating current	10A	Contact resistance	$\leq 25\text{Min}\Omega$
Insulation resistance	$\geq 50\text{M}\Omega$	Pf withstand voltage	AC 2.5KV/min
Contact resistance	$\leq 25\text{Min}\Omega$	Voltage wave	$\pm 20\%$
Mechanical life	100×10^4 (Pushbutton) 50×10^4 Selector switch Key switches	Brightness	60cd/m^2
Electrical life	500×10^4 (Pushbutton) 25×10^4 Selector switch Key switches	Continuous working life	$10 \times 10^4\text{h}$

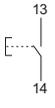
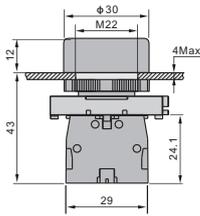
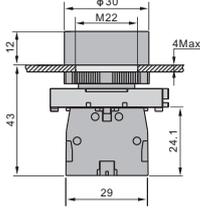
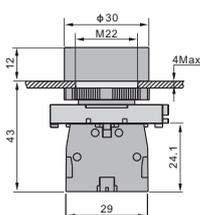
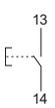
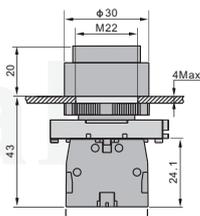
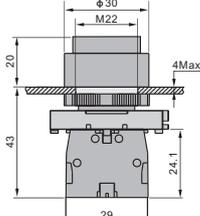
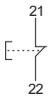
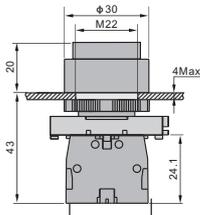
LAY5 Push button Series



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Push button	Description	Contact	Circuit	Color	Type	Contour
	For use with incandescent bulb (included) BA9s base fitting Neon (BA9S)	230V 50~60Hz 220~240V bulb	X1 X2	<ul style="list-style-type: none"> ○ White LAY5-EV441 ● Green LAY5-EV443 ● Red LAY5-EV444 ● Yellow LAY5-EV445 ● Pure Blue LAY5-EV446 		
LAY5-EV444						
	With resistance Neon (BA9S) For use with incandescent bulb (included) BA9S base	230V 50~60Hz 220~240V bulb AC220~240V AC/DC24V	X1 X2 X1 X2	<ul style="list-style-type: none"> ● Green LAY5-EV173 ● Red LAY5-EV174 ● Yellow LAY5-EV175 ● Green/PG LAY5-BVM163 ● Red LAY5-BVM164 ● Yellow LAY5-BVM165 		
LAY5-EV175	LED					
	Pushbutton Spring return	N/O	13 11	<ul style="list-style-type: none"> ● Black LAY5-EA121 ● Green LAY5-EA131 ● Green Start LAY5-EA131S ● Yellow LAY5-EA151 ● Blue LAY5-EA161 		
LAY5-EA131		N/C	21 22	<ul style="list-style-type: none"> ● Red LAY5-EA142 ● Red Stop LAY5-EA142S 		
	Pushbutton Spring return	N/O+N/C	11 13 22 21	<ul style="list-style-type: none"> ● Black LAY5-EA125 ● Green LAY5-EA135 ● Red LAY5-EA145 ● Yellow LAY5-EA155 		
LAY5-EA145						
	Flush button Spring return	N/O	13 14	<ul style="list-style-type: none"> ○ White LAY5-EA11 ● Black LAY5-EA21 ● Green LAY5-EA31 ● Yellow LAY5-EA51 ● Blue LAY5-EA61 		
LAY5-EA31		N/C	21 22	<ul style="list-style-type: none"> ● Red LAY5-EA42 		
	Flush button Spring return	N/O+N/C	21 13 22 14	<ul style="list-style-type: none"> ○ White LAY5-EA15 ● Black LAY5-EA25 ● Green LAY5-EA35 ● Yellow LAY5-EA55 ● Blue LAY5-EA65 		
LAY5-EA45		N/O+N/C	21 13 22 14	<ul style="list-style-type: none"> ● Red LAY5-EA45 		

LAY5 Series

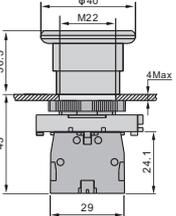
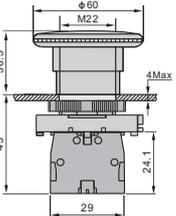
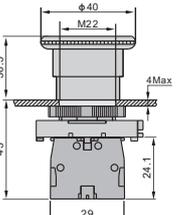
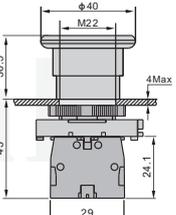
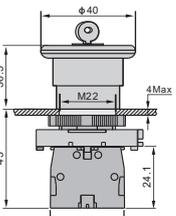
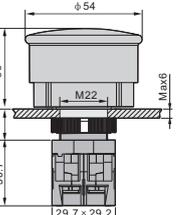
Push button	Description	Contact	Circuit	Color	Sign	Type	Contour
	Flush button (with water-proof cover) Unmarked IP65	N/O		<ul style="list-style-type: none">  White  Black  Green  Yellow  Blue 		LAY5-EP11 LAY5-EP21 LAY5-EP31 LAY5-EP51 LAY5-EP61	
		N/C		 Red		LAY5-EP42	
	Flush button spring return Marked	N/C		 Red		LAY5-EA4322 LAY5-EA4342	
	Flush button spring return Marked	N/O		 Green		LAY5-EA3311	
				 Green		LAY5-EA3361	
				 White		LAY5-EA3341	
				 Black		LAY5-EA3351	
				 Green	start	LAY5-EA5331	
				 Black	start	LAY5-EA5321	
	Convex button Spring return	N/O		<ul style="list-style-type: none">  Black  Green  Yellow  Blue 		LAY5-EL21 LAY5-EL31 LAY5-EL51 LAY5-EL61	
		N/C		 Red		LAY5-EL42	
	Convex button spring return Marked	N/O		 Green		LAY5-EL3361	
				 Green		LAY5-EL3311	
				 White		LAY5-EL3341	
				 Black		LAY5-EL3351	
	Convex button Spring return Marked	N/C		 Red		LAY5-EL4322 LAY5-EL4342	

LAY5

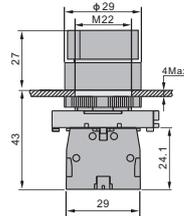
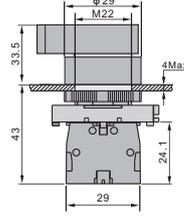
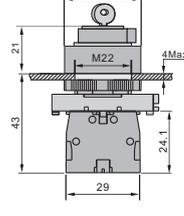
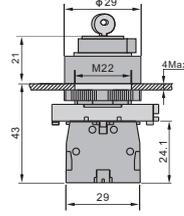
Push button Series



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Push button	Description	Contact	Circuit	Color	Sign	Type	Contour
 LAY5-EC42	Mushroom head spring return	N/O		<ul style="list-style-type: none">  Black $\Phi 40$ LAY5-EC21  Green $\Phi 40$ LAY5-EC31 			
		N/C		<ul style="list-style-type: none">  Red $\Phi 30$ LAY5-EC442 $\Phi 40$ LAY5-EC42 			
 LAY5-ER42	Mushroom head spring return	N/O		<ul style="list-style-type: none">  Black $\Phi 60$ LAY5-ER21  Green $\Phi 60$ LAY5-ER31 			
		N/C		<ul style="list-style-type: none">  Red $\Phi 60$ LAY5-ER42 			
 LAY5-ES42	Turn to release	N/C		<ul style="list-style-type: none">  Red $\Phi 30$ LAY5-ES442 $\Phi 40$ LAY5-ES542 $\Phi 60$ LAY5-ES642 			
		N/C		<ul style="list-style-type: none">  Red $\Phi 40$ LAY5-ET42 			
 LAY5-ET42	Push-pull	N/C		<ul style="list-style-type: none">  Red $\Phi 40$ LAY5-ET42 			
 LAY5-ES142	Turn to release by key (Key n° 445)	N/C		<ul style="list-style-type: none">  Red $\Phi 40$ LAY5-ES142 			
 LAY5-ET544	red mushroom head pushbutton, $\Phi 54$ mm, $\Phi 40$ mm, push-pull IP54	N/C		<ul style="list-style-type: none">  Red $\Phi 54$ LAY5-ET542 $\Phi 40$ LAY5-ET442 			
		N/C+N/C		<ul style="list-style-type: none"> $\Phi 54$ LAY5-ET544 $\Phi 40$ LAY5-ET444 			

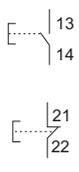
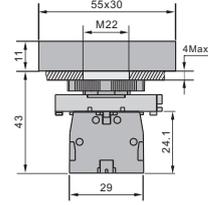
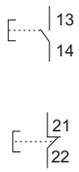
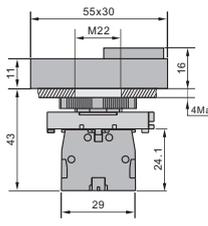
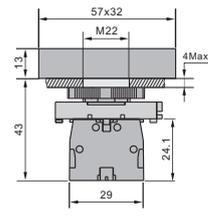
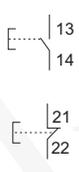
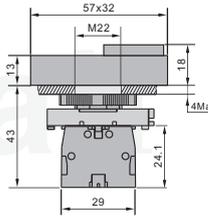
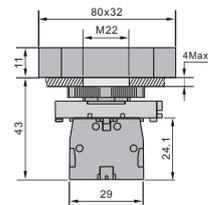
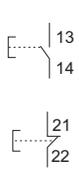
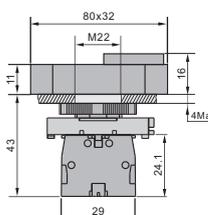
LAY5 Series

Push button	Description	Contact	Circuit	Operator	Type	Contour
 LAY5-ED21	Standard handle	N/O		2 Position stay put	LAY5-ED21	
		N/O+N/C		2 Position spring return	LAY5-ED41	
 LAY5-ED33	Standard handle	N/O+N/O		3 Position stay put	LAY5-ED33	
		N/O+N/O		3 Position spring return	LAY5-ED53	
 LAY5-EJ21	Long handle	N/O		2 Position stay put	LAY5-EJ21	
		N/O+N/C		2 Position spring return	LAY5-EJ41	
 LAY5-EJ33	Long handle	N/O+N/O		2 Position stay put	LAY5-EJ25	
		N/O+N/O		2 Position spring return	LAY5-EJ45	
 LAY5-EG21	LH position	N/O		2 Position stay put	LAY5-EG21	
	LH and RH position			2 Position with key spring return	LAY5-EG41	
 LAY5-EG33	LH position	N/O+N/C		2 Position stay put	LAY5-EG25	
	LH and RH position			2 Position with key spring return	LAY5-EG45	
 LAY5-EG33	Centre position	N/O+N/O		3 Position stay put	LAY5-EG33	
	LH and RH position	N/O+N/O		3 Position with key spring return	LAY5-EG53	

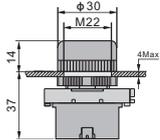
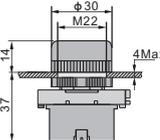
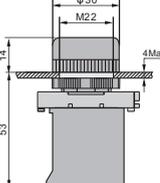
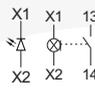
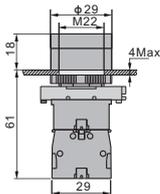
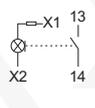
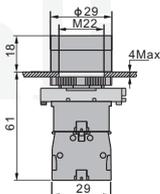
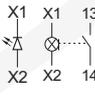
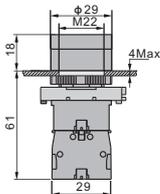
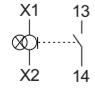
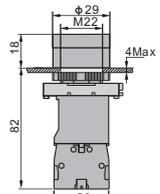
LAY5 Push button Series



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Push button	Description	Contact	Circuit	Color	Sign	Type	Contour
	1 flush green button 1 flush red button Unmarked IP40 Without pilot light	N/O + N/C		 Green  Red	 	LAY5-EL8325	
	1 flush green button 1 convex red button Marked IP40 Without pilot light	N/O + N/C		 Green  Red	 	LAY5-EL8425	
	Without pilot light 1 flush green button 1 flush red button (with waterproof cover) Unmarked IP65	N/O + N/C		 Green  Red	 	LAY5-EL9325	
	Without pilot light 1 flush green button 1 convex red button (with waterproof cover) marked IP65	N/O + N/C		 Green  Red	 	LAY5-EL9425	
	Without pilot light 1 flush green button 1 flush red button Marked	IP40 N/O + IP65 N/C		 Green  Red	 	LAY5-EB8325 LAY5-EB9325 (with waterproof cover)	
	Without pilot light 1 flush green button 1 convex red button Marked	IP40 N/O + IP65 N/C		 Green  Red	 	LAY5-EB8425 LAY5-EB9425 (with waterproof cover)	

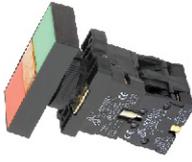
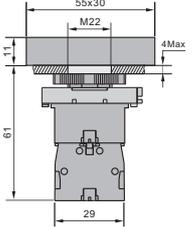
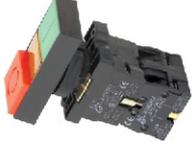
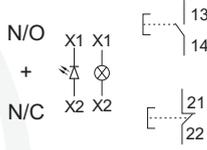
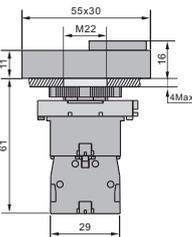
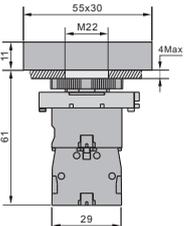
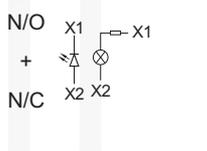
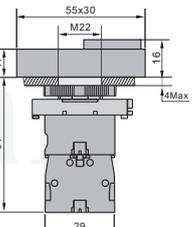
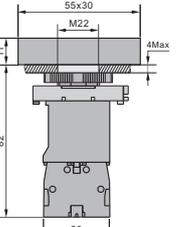
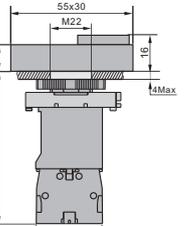
LAY5 Series

Push button	Description	Contact	Circuit	Color	Type	Contour
 LAY5-EV63	Direct bulb included BA9s base fitting Neon (BA9S) LED	220~240V 50~60Hz		<ul style="list-style-type: none"> ○ White/PW ● Green/PG ● Red ● Yellow ● Pure Blue 	LAY5-EV61 LAY5-EV63 LAY5-EV64 LAY5-EV65 LAY5-EV66	
 LAY5-EV74	Via integral resistance Ba9s bulb supplied Neon (BA9S) LED	130V 220~240V 50~60Hz		<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Pure Blue 	LAY5-EV71 LAY5-EV73 LAY5-EV74 LAY5-EV75 LAY5-EV76	
 LAY5-EV45	Via integral transformer 1.2VA Ba9s, bulb supplied Neon (BA9S) LED	110~130V/60Hz 220~240V/60Hz		<ul style="list-style-type: none"> ○ White ● Green ● Red ● Yellow ● Blue 	LAY5-EV31 LAY5-EV33 LAY5-EV34 LAY5-EV35 LAY5-EV36 LAY5-EV41 LAY5-EV43 LAY5-EV44 LAY5-EV45 LAY5-EV46	
 LAY5-EW3361	Direct bulb supplied Neon (BA9S) LED	N/O 220~240V		<ul style="list-style-type: none"> ○ White/PW ● Green/PG ● Yellow ● Pure Blue 	LAY5-EW3161 LAY5-EW3361 LAY5-EW3561 LAY5-EW3661	
 LAY5-EW3571	Via integral resistance Ba9s, bulb supplied Neon (BA9S) LED	N/O 130V 220~240V		<ul style="list-style-type: none"> ○ White ● Green ● Yellow ● Pure Blue 	LAY5-EW3171 LAY5-EW3371 LAY5-EW3571 LAY5-EW3671	
 LAY5-EPW3571	Via integral resistance Ba9s, bulb supplied (with water-proof cover) Neon (BA9S) LED IP65	N/O 220~240V		<ul style="list-style-type: none"> ○ White ● Green ● Yellow ● Pure Blue 	LAY5-EPW3161 LAY5-EPW3171 LAY5-EPW3361 LAY5-EPW3371 LAY5-EPW3561 LAY5-EPW3571 LAY5-EPW3661 LAY5-EPW3671	
 LAY5-EW3641	Via integral transformer 1.2VA Ba9s, bulb supplied Neon (BA9S) LED	N/O 220V/50Hz		<ul style="list-style-type: none"> ○ White ● Green ● Yellow ● Blue 	LAY5-EW3141 LAY5-EW3341 LAY5-EW3541 LAY5-EW3641	
		N/C		<ul style="list-style-type: none"> ● Red 	LAY5-EW3442	

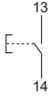
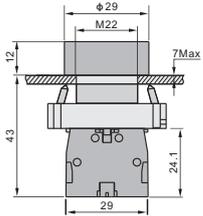
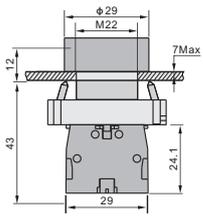
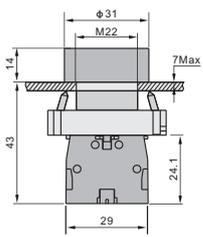
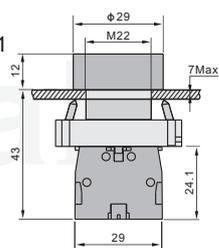
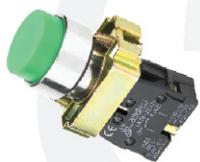
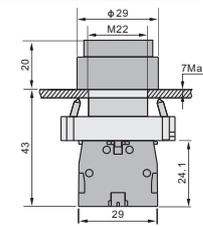
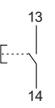
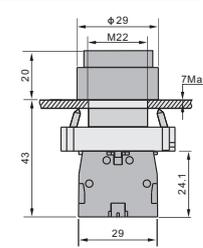
LAY5 Push button Series



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Push button	Description	Contact	Circuit	Color Sign Type	Contour
 LAY5-EW8365	Unmarked IP40 1 flush green button 1 flush red button			 LAY5-EW8365	
 LAY5-EW8465	1 pilot light with Yellow lens Direct supply 220~240V BA9S bulb	N/O + N/C		 LAY5-EW8465	
 LAY5-EW8375	Unmarked 1 flush green button 1 flush red button			 LAY5-EW8375	
 LAY5-EW8475	1 pilot light with Yellow lens direct supply 220~240V BA9s bulb, with resistance marked IP40 Neon (BA9s) LED	N/O + N/C		 LAY5-EW8475	
 LAY5-EW8345	Unmarked 1 flush green button 1 flush red button 1 pilot light with Yellow lens direct supply 220V Ba9s bulb, via integral transformer 1.2VA			 LAY5-EW8345	
 LAY5-EW8445	1 convex red button 1 flush green button marked IP40 Neon (BA9s) LED	N/O + N/C		 LAY5-EW8445	

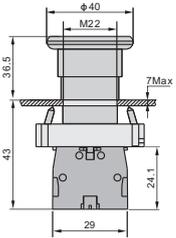
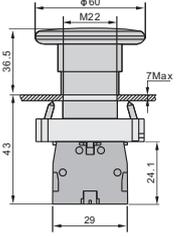
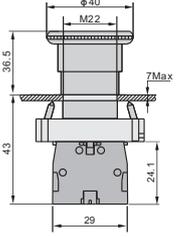
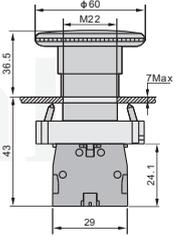
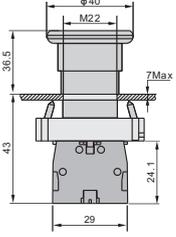
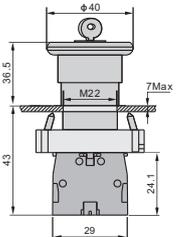
LAY5 Series

Push button	Description	Contact	Circuit	Color	Sign Type	Contour
	Flush button Spring return	N/O		○ White ● Black ● Green ● Yellow ● Blue	LAY5-BA11 LAY5-BA21 LAY5-BA31 LAY5-BA51 LAY5-BA61	
		N/C		● Red	LAY5-BA42	
	Flush button Spring return	N/O+N/C		● Black ● Green ● Yellow ● Blue	LAY5-BA25 LAY5-BA35 LAY5-BA55 LAY5-BA65	
		N/O+N/C		● Red	LAY5-BA45	
	Flush button (with water-proof cover) Unmarked IP65	N/O		○ White ● Black ● Green ● Yellow ● Blue	LAY5-BP11 LAY5-BP21 LAY5-BP31 LAY5-BP51 LAY5-BP61	
		N/C		● Red	LAY5-BP42	
	Flush button Spring return Marked	N/O		● Green ○ White ● Black ● Green ● Black	LAY5-BA3311 LAY5-BA3361 LAY5-BA3341 LAY5-BA3351 LAY5-BA5331 LAY5-BA5321	
		N/C		● Red ○ start ○ stop	LAY5-BA4322 LAY5-BA4342	
	Convex button Spring return	N/O		● Black ● Green ● Yellow ● Blue	LAY5-BL21 LAY5-BL31 LAY5-BL51 LAY5-BL61	
		N/C		● Red	LAY5-BL42	
	Convex button Spring return Marked	N/O		● Green ● Green ○ White ● Black	LAY5-BL3311 LAY5-BL3361 LAY5-BL3341 LAY5-BL3351	
		N/C		● Red ○ stop	LAY5-BL4322 LAY5-BL4342	

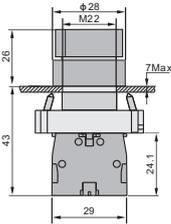
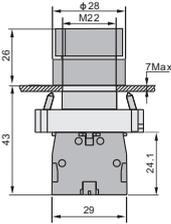
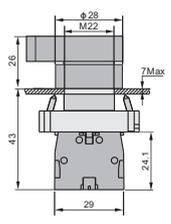
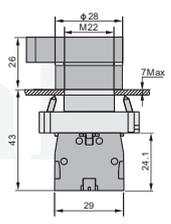
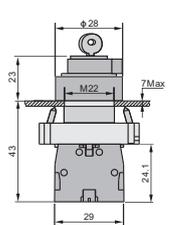
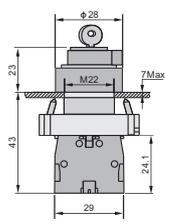
LAY5 Push button Series



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Push button	Description	Contact	Circuit	Color	Sign	Type	Contour
 LAY5-BC42	Mushroom head spring return	N/O		<ul style="list-style-type: none">  Black  Green 	<ul style="list-style-type: none"> Φ40 LAY5-BC21 Φ40 LAY5-BC31 		
		N/C		<ul style="list-style-type: none">  Red 	Φ40 LAY5-BC42		
 LAY5-BR42	Mushroom head spring return	N/O		<ul style="list-style-type: none">  Black  Green 	<ul style="list-style-type: none"> Φ60 LAY5-BR21 Φ60 LAY5-BR31 		
		N/C		<ul style="list-style-type: none">  Red 	Φ60 LAY5-BR42		
 LAY5-BS542	Turn to release	N/C		<ul style="list-style-type: none">  Red 	<ul style="list-style-type: none">  Φ30 LAY5-BS442  Φ40 LAY5-BS542 		
 LAY5-BS642	Turn to release	N/C		<ul style="list-style-type: none">  Red 	Φ60 LAY5-BS642		
 LAY5-BT42	Push-pull	N/C		<ul style="list-style-type: none">  Red 	Φ40 LAY5-BT42		
		N/O + N/C		<ul style="list-style-type: none">  Red 	Φ40 LAY5-BT45		
 LAY5-BS142	Return to release by key (Key n° 445)	N/C		<ul style="list-style-type: none">  Red 	Φ40 LAY5-BS142		
		N/O + N/C		<ul style="list-style-type: none">  Red 	Φ40 LAY5-BS145		

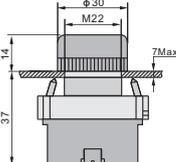
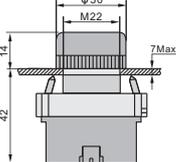
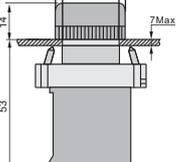
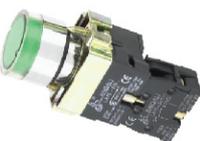
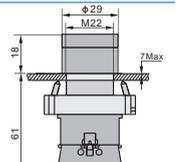
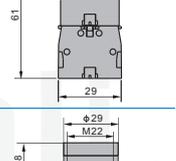
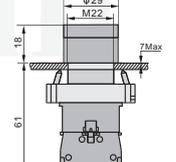
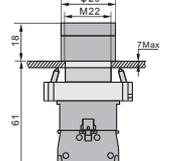
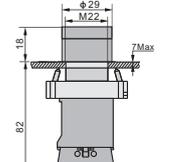
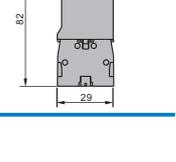
LAY5
Series

Push button	Description	Contact	Circuit	Operator	Type	Contour		
 LAY5-BD21	Standard handle	N/O		2 Position stay put	LAY5-BD21			
					2 Position spring return		LAY5-BD41	
		N/O+N/C		2 Position stay put	LAY5-BD25			
					2 Position spring return		LAY5-BD45	
 LAY5-BD33	Standard handle	N/O+N/O		3 Position stay put	LAY5-BD33			
					3 Position spring return		LAY5-BD53	
		N/O+N/O		3 Position stay put	LAY5-BJ21			
					3 Position spring return		LAY5-BJ41	
 LAY5-BJ21	Long handle	N/O		2 Position stay put	LAY5-BJ21			
					2 Position spring return		LAY5-BJ41	
		N/O+N/C		2 Position stay put	LAY5-BJ25			
					2 Position spring return		LAY5-BJ45	
 LAY5-BJ33	Long handle	N/O+N/O		3 Position stay put	LAY5-BJ33			
					3 Position spring return		LAY5-BJ53	
		N/O+N/O		3 Position stay put	LAY5-BG21			
					3 Position spring return		LAY5-BG41	
 LAY5-BG21	LH position	N/O		2 Position with key stay put	LAY5-BG21			
	LH and RH position						2 Position with key spring return	LAY5-BG41
	LH position						2 Position with key stay put	LAY5-BG25
	LH and RH position			N/O+N/C			2 Position with key spring return	LAY5-BG45
 LAY5-BG33	Centre position	N/O+N/O		3 Position with key stay put	LAY5-BG33			
	LH and RH position						3 Position with key spring return	LAY5-BG53

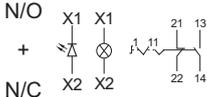
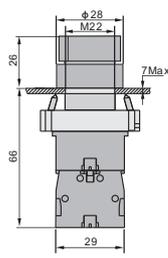
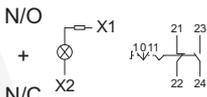
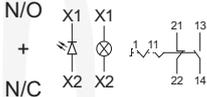
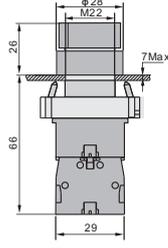
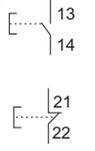
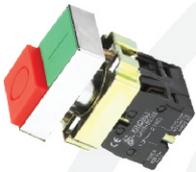
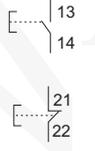
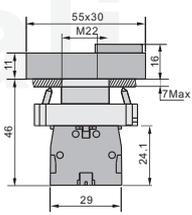
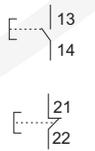
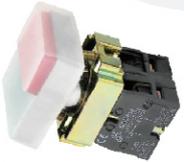
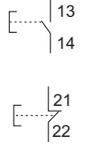
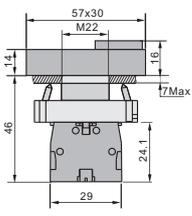
LAY5 Push button Series



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Push button	Description	Contact	Circuit	Color	Type	Contour
 LAY5-BV63	Direct bulb included BA9s base fitting Neon (BA9S) LED	130V 220~240V 50~60Hz		○ White/PW	LAY5-BV61	
				● Green/PG	LAY5-BV63	
				● Red	LAY5-BV64	
				● Yellow	LAY5-BV65	
				● Pure Blue	LAY5-BV66	
 LAY5-BV74	Via integral resistance Ba9s bulb supplied Neon (BA9S) LED	130V 220~240V 50~60Hz		○ White	LAY5-BV71	
				● Green	LAY5-BV73	
				● Red	LAY5-BV74	
				● Yellow	LAY5-BV75	
				● Pure Blue	LAY5-BV76	
 LAY5-BV45	Via integral transformer 1.2VA Ba9s, bulb supplied Neon (BA9S) LED	220~240V 50Hz		○ White	LAY5-BV41	
				● Green	LAY5-BV43	
				● Red	LAY5-BV44	
				● Yellow	LAY5-BV45	
				● Blue	LAY5-BV46	
 LAY5-BW3361	Direct bulb supplied Neon (BA9S) LED	N/O 220~240V		○ White/PW	LAY5-BW3161	
				● Green/PG	LAY5-BW3361	
				● Yellow	LAY5-BW3561	
				● Pure Blue	LAY5-BW3661	
 LAY5-BW3472	Direct bulb supplied Neon (BA9S) LED	N/C 220~240V		● Red	LAY5-BW3462	
				○ White	LAY5-BW3171	
				● Green	LAY5-BW3371	
				● Yellow	LAY5-BW3571	
 LAY5-BW3671	Via integral resistance Ba9s, bulb supplied Neon (BA9S) LED	N/O 220V 250V		○ White	LAY5-BW3171	
				● Green	LAY5-BW3371	
				● Yellow	LAY5-BW3571	
				● Pure Blue	LAY5-BW3671	
 LAY5-BPW3361	Direct bulb supplied Neon (BA9S) LED (with water-proof cover) IP65	N/O 220~240V		○ White/PW	LAY5-BPW3161	
				● Green/PG	LAY5-BPW3171	
				● Yellow	LAY5-BPW3561	
				● Pure Blue	LAY5-BPW3661	
 LAY5-BW3432	Via integral transformer 1.2VA Ba9s, bulb supplied Neon (BA9S) LED	N/O 110~130V/50Hz		○ White	LAY5-BW3131	
				● Green	LAY5-BW3331	
				● Yellow	LAY5-BW3531	
				● Blue	LAY5-BW3631	
 LAY5-BW3432	Via integral transformer 1.2VA Ba9s, bulb supplied Neon (BA9S) LED	N/C 110~130V/50Hz		● Red	LAY5-BW3462	
				○ White	LAY5-BW3171	

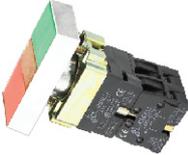
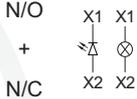
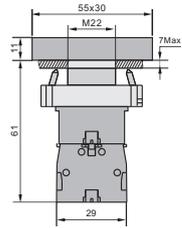
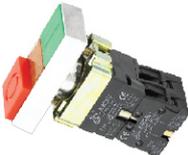
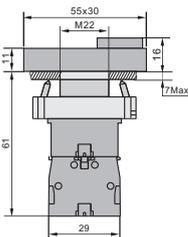
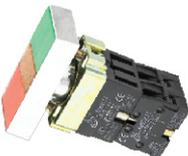
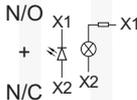
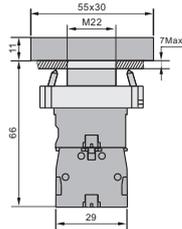
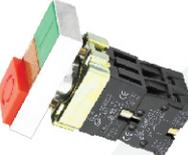
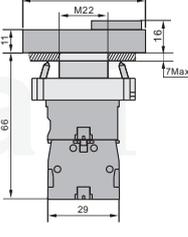
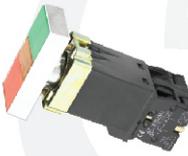
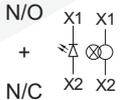
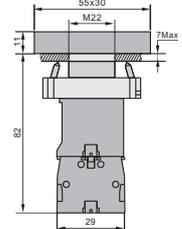
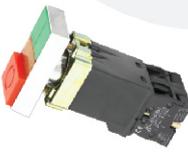
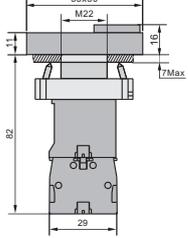
LAY5 Series

Push button	Description	Contact	Circuit	Color	Type	Contour
 LAY5-BK2365	2 Position stay put Standard handle Direct supply 220/240V BA9s bulb Neon (BA9S) LED	N/O + N/C		<ul style="list-style-type: none"> ● Green/PG ● Yellow ● Pure Blue ● White/PW ● Red 	<ul style="list-style-type: none"> LAY5-BK2365 LAY5-BK2565 LAY5-BK2665 LAY5-BK2765 LAY5-BK2465 	
	2 Position stay put Standard handle direct supply 220/240V BA9s bulb, with resistance Neon (BA9S) LED	N/O + N/C		<ul style="list-style-type: none"> ● Green ● Yellow ● Pure Blue ● White ● Red 	<ul style="list-style-type: none"> LAY5-BK2375 LAY5-BK2575 LAY5-BK2675 LAY5-BK2775 LAY5-BK2475 	
 LAY5-BK3465	3 Position stay put Standard handle Direct supply 220/240V BA9s bulb Neon (BA9S) LED	N/O + N/C		<ul style="list-style-type: none"> ● Green/PG ● Yellow ● Pure Blue ● White/PW ● Red 	<ul style="list-style-type: none"> LAY5-BK3365 LAY5-BK3565 LAY5-BK3665 LAY5-BK3765 LAY5-BK3465 	
	Without pilot light 1 flush green button 1 flush red button IP40	N/O + N/C		<ul style="list-style-type: none"> ■ Green ■ Red 	<ul style="list-style-type: none"> LAY5-BL8325 	
 LAY5-BL8425	Without pilot light 1 flush green button 1 convex red button marked IP40	N/O + N/C		<ul style="list-style-type: none"> ■ Green ■ Red 	<ul style="list-style-type: none"> LAY5-BL8425 	
	Without pilot light 1 flush green button 1 flush red button (with water-proof cover) Unmarked IP65	N/O + N/C		<ul style="list-style-type: none"> ○ White ■ Green ■ Red 	<ul style="list-style-type: none"> LAY5-BL9325 	
 LAY5-BL9425	Without pilot light 1 flush green button 1 convex red button (with water-proof cover) marked IP65	N/O + N/C		<ul style="list-style-type: none"> ○ White ■ Green ■ Red 	<ul style="list-style-type: none"> LAY5-BL9425 	

LAY5 Push button Series



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Push button	Description	Contact	Circuit	Color	Sign Type	Contour
	1 flush green button 1 flush red button Unmarked IP40 With pilot light Yellow lens Direct supply 220~240V BA9s Bulb Neon (BA9S) LED	N/O +		Green Red	 LAY5-BW8365	
	1 flush green button 1 convex red button marked IP40 Neon (BA9S) LED	N/C		Green Red	 LAY5-BW8465	
	1 flush green button 1 flush red button Unmarked IP40 with pilot light Yellow lens direct supply 220~240V Ba9s Bulb with resistance Neon (BA9S) LED	N/O +		Green Red	 LAY5-BW8375	
	1 convex red button 1 flush green button marked IP40	N/C		Green Red	 LAY5-BW8475	
	1 flush green button 1 flush red button Unmarked IP40 with pilot light Yellow lens direct supply 220~240V Ba9s Bulb with transformer Neon (BA9S) LED	N/O +		Green Red	 LAY5-BW8345	
	1 convex red button 1 flush green button marked IP40	N/C		Green Red	 LAY5-BW8445	

LAY5
Series



LAY5 Push button Series

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Parts Description Color Sign Type



LAY5-EA4

Flush
button
head

- Black LAY5-EA2
- Green LAY5-EA3
- Red LAY5-EA4
- Yellow LAY5-EA5
- Blue LAY5-EA6



LAY5-EA432

Flush
button
head
marked

- Green LAY5-EA331
- Green LAY5-EA336
- White LAY5-EA334
- Black LAY5-EA335
- Red LAY5-EA432
- Red stop LAY5-EA434



LAY5-EL3

Convex
button
head

- Black LAY5-EL2
- Green LAY5-EL3
- Red LAY5-EL4
- Yellow LAY5-EL5
- Blue LAY5-EL6



LAY5-EL432

Convex
button
head
marked

- Green LAY5-EL331
- Green LAY5-EL336
- White LAY5-EL334
- Black LAY5-EL335
- Red LAY5-EL432
- Red stop LAY5-EL434



LAY5-EP3

Flush
button
head
(with Water-
proof cover)
unmarked

- Black LAY5-EP2
- Green LAY5-EP3
- Red LAY5-EP4
- Yellow LAY5-EP5
- Blue LAY5-EP6



LAY5-EV05

Pilot
light
head

- White LAY5-EV01
- Green LAY5-EV03
- Red LAY5-EV04
- Yellow LAY5-EV05
- Blue LAY5-EV06

Parts Description Color Type



LAY5-EW13

- Green LAY5-EW13
- Red LAY5-EW14
- Yellow LAY5-EW15
- Blue LAY5-EW16
- Green LAY5-EW33
- Red LAY5-EW34
- Yellow LAY5-EW35
- Blue LAY5-EW36



LAY5-ED2

- Standard handle Selector switch head
- 2-positions stay put LAY5-ED2
- 3-positions stay put Black LAY5-ED3
- 2-positions spring return LAY5-ED4
- 3-positions Spring Return LAY5-ED5



LAY5-EJ2

- Long handle Selector switch head
- 2-positions stay put LAY5-EJ2
- 3-positions stay put Black LAY5-EJ3
- 2-positions spring return LAY5-EJ4
- 3-positions Spring Return LAY5-EJ5



LAY5-EG2

- Key switch head
- 2-positions stay put LAY5-EG2
- 2-positions spring return LAY5-EG4



LAY5-EG3

- Key switch head
- 3-positions stay put LAY5-EG3
- 3-positions Spring Return to centre from left or right LAY5-EG5



LAY5-ES14

- Mushroom head return to release by key
- Black Φ 40 LAY5-ES12
- Red Φ 40 LAY5-ES14

LAY5 Push button Series



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Parts	Description	Color	Sign	Type
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Mushroom head	Black	Φ40	LAY5-ET2
Push-Pull	Red	Φ40	LAY5-ET4

LAY5-ET4



Mushroom Head Spring return	Black	Φ30	LAY5-EC24
	Green	Φ30	LAY5-EC34
	Red	Φ30	LAY5-EC44
	Black	Φ40	LAY5-EC2
	Green	Φ40	LAY5-EC3
	Red	Φ40	LAY5-EC4

LAY5-EC4



Mushroom Head Spring return	Black	Φ60	LAY5-ER2
	Green	Φ60	LAY5-ER3
	Red	Φ60	LAY5-ER4

LAY5-ER4



Mushroom head return to release	Black	Φ30	LAY5-ES42
	Red	Φ30	LAY5-ES44

LAY5-ES44



Mushroom head return to release	Black	Φ40	LAY5-ES52
	Red	Φ40	LAY5-ES54

LAY5-ES54



Mushroom head return to release	Black	Φ60	LAY5-ES62
	Red	Φ60	LAY5-ES64

LAY5-ES64

Parts	Description	Color	Sign	Type
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Double-head 1 flush red button	Green	LAY5-EL83
	Red	IP40
1 flush green button	White	LAY5-EL93
	Green	(with water-proof cover)
Unmarked	Red	IP65

LAY5-EL83



Double-head 1 convex red button	Green	LAY5-EL84
	Red	IP40
1 flush green button marked	White	LAY5-EL94
	Green	(with water-proof cover)
	Red	IP65

LAY5-EL84



Double-head with lamp button	Green	LAY5-EW83
	Red	
1 convex red button		
1 flush green button		

LAY5-EW83



Double-head with lamp button	Green	LAY5-EW84
	Red	
1 convex red button		
1 flush green button		

LAY5-EW84



Double-head 1 flush red button	Green	LAY5-EB83
	Red	IP40
1 flush green button	Green	LAY5-EB93
	Red	(with water-proof cover)
		IP65

LAY5-EB83



Double-head 1 convex red button	Green	LAY5-EB84
	Red	IP40
1 flush green button	Green	LAY5-EB94
	Red	(with water-proof cover)
		IP65

LAY5-EB84

LAY5 Series

Parts Description Color Sign Type



LAY5-BA3

Flush button head

- Black LAY5-BA2
- Green LAY5-BA3
- Red LAY5-BA4
- Yellow LAY5-BA5
- Blue LAY5-BA6



LAY5-BA432

Flush button head marked

- Green (i) LAY5-BA331
- Green (ii) LAY5-BA336
- White (→) LAY5-BA334
- Black (⬇) LAY5-BA335
- Red (o) LAY5-BA432
- Red stop LAY5-BA434
- Green start LAY5-BA533



LAY5-BL3

Convex button head

- Black LAY5-BL2
- Green LAY5-BL3
- Red LAY5-BL4
- Yellow LAY5-BL5
- Blue LAY5-BL6



LAY5-BL432

Convex button head marked

- Green (i) LAY5-BL331
- Green (ii) LAY5-BL336
- White (→) LAY5-BL334
- Black (⬇) LAY5-BL335
- Red (o) LAY5-BL432
- Red stop LAY5-BL434



LAY5-BP3

Flush button head (with water-proof cover) Un marked

- Black LAY5-BP2
- Green LAY5-BP3
- Red LAY5-BP4
- Yellow LAY5-BP5
- Blue LAY5-BP6

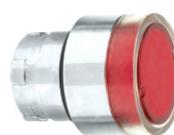


LAY5-BV05

Pilot light head

- White LAY5-BV01
- Green LAY5-BV03
- Red LAY5-BV04
- Yellow LAY5-BV05
- Blue LAY5-BV06

Parts Description Color Type



LAY5-BW34

Pilot light head with shorter transparent protecting cover

- Green LAY5-BW13
- Red LAY5-BW14
- Yellow LAY5-BW15
- Blue LAY5-BW16
- Green LAY5-BW33
- Red LAY5-BW34
- Yellow LAY5-BW35
- Blue LAY5-BW36



LAY5-BK23

Selector switch head with lamp 2-positions stay put

- Green LAY5-BK23
- Red LAY5-BK24
- Yellow LAY5-BK25



LAY5-BK34

Selector switch head with lamp 3-positions stay put

- Green LAY5-BK33
- Red LAY5-BK34
- Yellow LAY5-BK35



LAY5-BD2

Standard handle Selector switch head 2-positions stay put 3-positions stay put 2-positions spring return 3-positions Spring Return

- Black LAY5-BD2
- Black LAY5-BD3
- Black LAY5-BD4
- Black LAY5-BD5



LAY5-BJ2

Long handle Selector switch head 2-positions stay put 3-positions stay put 2-positions spring return 3-positions Spring Return

- Black LAY5-BJ2
- Black LAY5-BJ3
- Black LAY5-BJ4
- Black LAY5-BJ5



LAY5-BG2

Key switch head 2-positions stay put 3-positions stay put 2-positions spring return 3-positions Spring Return

- Black LAY5-BG2
- Black LAY5-BG3
- Black LAY5-BG4
- Black LAY5-BG5

LAY5 Push button Series



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Parts	Description	Color	Sign	Type
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Mushroom Head
spring
return

	Black	Φ30	LAY5-BC24
	Green	Φ30	LAY5-BC34
	Red	Φ30	LAY5-BC44
	Black	Φ40	LAY5-BC2
	Green	Φ40	LAY5-BC3
	Red	Φ40	LAY5-BC4

LAY5-BC4



Mushroom Head
spring
return

	Black	Φ60	LAY5-BR2
	Green	Φ60	LAY5-BR3
	Red	Φ60	LAY5-BR4

LAY5-BR4



Mushroom Head
return to
release

	Black	Φ30	LAY5-BS42
	Red	Φ30	LAY5-BS44

LAY5-BS44



Mushroom Head
return to
release

	Black	Φ40	LAY5-BS52
	Red	Φ40	LAY5-BS54

LAY5-BS54



Mushroom Head
return to
release

	Black	Φ60	LAY5-BS62
	Red	Φ60	LAY5-BS64

LAY5-BS64

Parts	Description	Color	Sign	Type
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Mushroom head
Push-Pull

	Black	Φ40	LAY5-BT2
	Red	Φ40	LAY5-BT4

LAY5-BT4



Mushroom head
return to
release
by key

	Black	Φ40	LAY5-BS12
	Red	Φ40	LAY5-BS14

LAY5-BS14



Double-head
1 flush red
button
1 flush green
button

	Green		LAY5-BL83
	Red		IP40
	White		LAY5-BL93
	Green		(with water-proof cover) IP65
	Red		

LAY5-BL83



Double-head
1 convex red
button
1 flush green
button

	Green		LAY5-BL84
	Red		IP40
	White		LAY5-BL94
	Green		(with water-proof cover) IP65
	Red		

LAY5-BL84



Double-head
with lamp
1 flush red
button
1 flush green
button

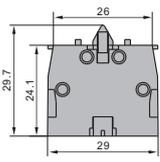
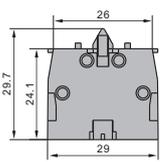
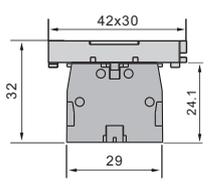
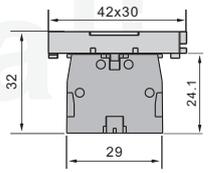
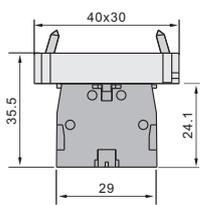
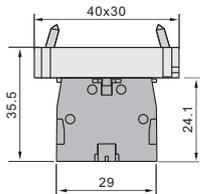
	Green		LAY5-BW83
	Red		

LAY5-BW84

Double-head
with lamp
1 convex red
button
1 flush green
button

	Green		LAY5-BW84
	Red		

LAY5 Series

Parts	Description	Contact	Circuit	Color	Type	Contour
 <p>LAY5-BE101 LAY5-BE102</p>	Contact element	N/O	$\begin{array}{c} 3 \\ \\ 4 \end{array}$	 Green	LAY5-BE101	
		N/C	$\begin{array}{c} 1 \\ \\ 2 \end{array}$	 Red	LAY5-BE102	
 <p>LAY5-BE101 LAY5-BE102</p>	Contact element with color	N/O	$\begin{array}{c} 3 \\ \\ 4 \end{array}$	 Green	LAY5-BE101	
		N/C	$\begin{array}{c} 1 \\ \\ 2 \end{array}$	 Red	LAY5-BE102	
 <p>LAY5-EZ101</p>	Plastic bracket + contact element	N/O	$\begin{array}{c} 3 \\ \\ 4 \end{array}$	 Green	LAY5-EZ101	
		N/O+N/O	$\begin{array}{c} 3 \\ \\ 3 \\ \\ 4 \\ \\ 4 \end{array}$	 Green	LAY5-EZ103	
		N/O+N/C	$\begin{array}{c} 3 \\ \\ 4 \\ \\ 2 \end{array}$	 Red	LAY5-EZ105	
 <p>LAY5-EZ102</p>	Plastic bracket + contact element	N/C	$\begin{array}{c} 1 \\ \\ 2 \end{array}$	 Red	LAY5-EZ102	
		N/C+N/C	$\begin{array}{c} 1 \\ \\ 1 \\ \\ 2 \\ \\ 2 \end{array}$	 Red	LAY5-EZ104	
 <p>LAY5-BZ101</p>	Metal bracket + contact element	N/O	$\begin{array}{c} 3 \\ \\ 4 \end{array}$	 Green	LAY5-BZ101	
		N/O+N/O	$\begin{array}{c} 3 \\ \\ 3 \\ \\ 4 \\ \\ 4 \end{array}$	 Green	LAY5-BZ103	
		N/O+N/C	$\begin{array}{c} 3 \\ \\ 4 \\ \\ 2 \end{array}$	 Red	LAY5-BZ105	
 <p>LAY5-BZ102</p>	Metal bracket + contact element	N/C	$\begin{array}{c} 1 \\ \\ 2 \end{array}$	 Red	LAY5-BZ102	
		N/C+N/C	$\begin{array}{c} 1 \\ \\ 1 \\ \\ 2 \\ \\ 2 \end{array}$	 Red	LAY5-BZ104	

LAY5

Push button Series



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Parts	Description	Type
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Bottom seat of button with lamp Direct Type Neon (BA9S) LED

LAY5-EV6 (without push-shaft)
LAY5-EW06 (with push-shaft)

Parts	Description	Type
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Bottom seat of button with lamp Direct Type Neon (BA9S) LED

LAY5-BV6 (without push-shaft)
LAY5-BW06 (with push-shaft)



Bottom seat of button with lamp Direct Type Neon (BA9S) LED (Assembly contact element)

LAY5-EW6
N/O LAY5-EW061
N/C LAY5-EW062
N/O+N/O LAY5-EW063
N/C+N/C LAY5-EW064
N/O+N/C LAY5-EW065



Bottom seat of button with lamp Direct Type Neon (BA9S) LED (Assembly contact element)

LAY5-BW6
N/O LAY5-BW061
N/C LAY5-BW062
N/O+N/O LAY5-BW063
N/C+N/C LAY5-BW064
N/O+N/C LAY5-BW065



Button seat of button with lamp install base BA 9s Resistance $\leq 250V$ Neon (BA9S) LED

LAY5-EW7 (Without contact element)
N/O LAY5-EW071
N/C LAY5-EW072
N/O+N/O LAY5-EW073
N/C+N/C LAY5-EW074
N/O+N/C LAY5-EW075 (With contact element)



Button seat of button with lamp install base BA 9s Resistance $\leq 250V$ Neon (BA9S) LED

LAY5-BW7 (Without contact element)
N/O LAY5-BW071
N/C LAY5-BW072
N/O+N/O LAY5-BW073
N/C+N/C LAY5-BW074
N/O+N/C LAY5-BW075 (With contact element)



Button seat of button with lamp install base BA 9s Transformer $\leq 250V$ Neon (BA9S) LED

LAY5-EW4 (Without contact element)
N/O LAY5-EW041
N/C LAY5-EW042
N/O+N/O LAY5-EW043
N/C+N/C LAY5-EW044
N/O+N/C LAY5-EW045 (With contact element)



Button seat of button with lamp install base BA 9s Transformer $\leq 130V$ Neon (BA9S) LED

LAY5-BW3 (Without contact element)
N/O LAY5-BW031
N/C LAY5-BW032
N/O+N/O LAY5-BW033
N/C+N/C LAY5-BW034
N/O+N/C LAY5-BW035 (With contact element)



Button seat of button with lamp install base BA 9s Transformer $\leq 380V$ Neon (BA9S) LED

LAY5-EW5 (Without contact element)
N/O LAY5-EW051
N/C LAY5-EW052
N/O+N/O LAY5-EW053
N/C+N/C LAY5-EW054
N/O+N/C LAY5-EW055 (With contact element)



Button seat of button with lamp install base BA 9s Transformer $\leq 250V$ Neon (BA9S) LED

LAY5-BW4 (Without contact element)
N/O LAY5-BW041
N/C LAY5-BW042
N/O+N/O LAY5-BW043
N/C+N/C LAY5-BW044
N/O+N/C LAY5-BW045 (With contact element)

LAY5 Series

Parts

Contour

Parts

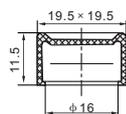
Contour

Parts

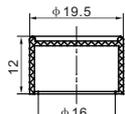
Contour



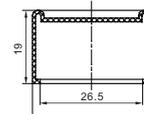
LAY5-PE16F



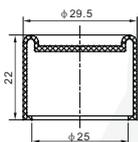
LAY5-PE16A



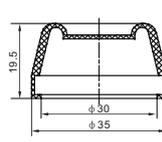
LAY5-PE22A



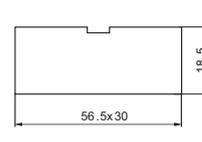
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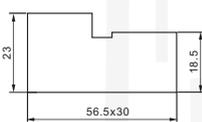
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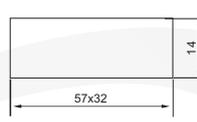
LAY5-PE22B



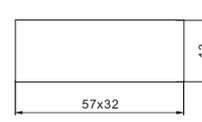
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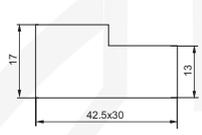
LAY5-PE22F



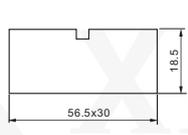
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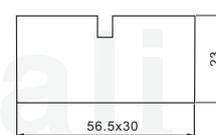
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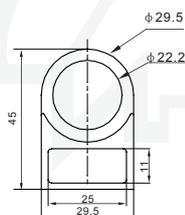
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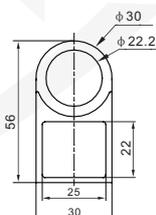
LAY5-PE22CHF



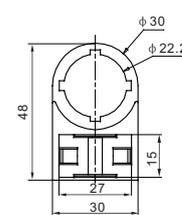
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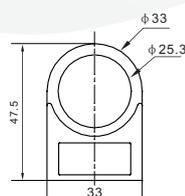
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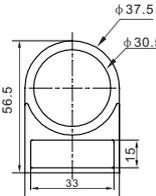
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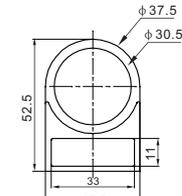
LAY5-EH2206



LAY5-EH2225



LAY5-EH2230

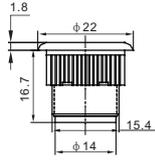
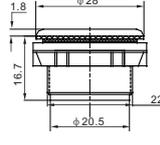
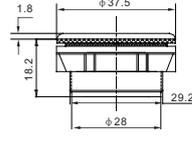
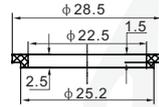
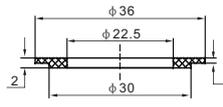
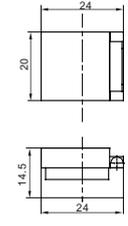
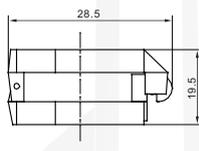
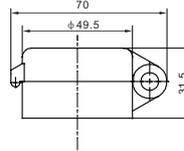
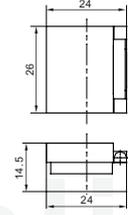
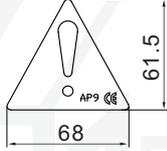
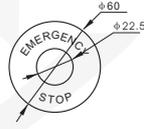
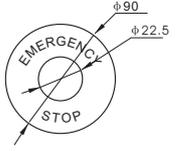
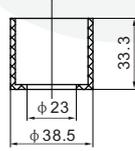
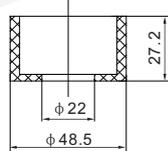
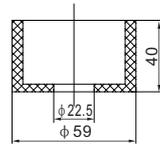
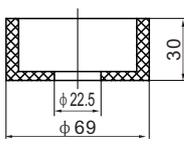


LAY5

Push button Series



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Parts	Contour	Parts	Contour	Parts	Contour
					
LAY5-PB16		LAY5-PB22		LAY5-PB30	
					
LAY5-ER25 (AD22-ER25)		LAY5-ER30 (AD22-ER30)		LAY5-ZB16F	
					
LAY5-EB22P		LAY5-EB40P		LAY5-ZB16CF	
					
LAY5-EM01		LAY5-ER60		LAY5-ER90	
					
LAY5-EB30		LAY5-EB40		LAY5-EB55	
					
LAY5-EB60					

LAY5 Series