

## Pushbutton Switch

### Application

EKPB2-series pushbutton switches are used in industrial for controlling circuits of AC 50Hz or 60Hz, rated operation voltage 380V or below and DC operational Voltage 220V or below for controlling in magnetic starter, contactor, relay and other electrical circuits. The buttons indicators can also be used in the place with indicated light or signal. They meet with the standards :IEC60947-5-1.



### Main Technical Parameter




Operation temperature	-5°C~+40°C					
Power-frequency withstand voltage	2500V, 1min					
Operation humidity	45%~85%					
Electric durability	50×10 <sup>4</sup>					
Contact resistance	≤50mΩ					
Degree of protection	IP40					
Rated insulation voltage	Ui	660V				
Conventional thermal current	Ith	10A				
Rated operation voltage	Ue	380V	220V	110V	48V	24V
Rated operation current	AC-15	2.5A	4.5	6A	8A	-
	DC-13	-	0.3A	0.6A	1.3A	2.5

Rated operational Voltage	Directness						Resistance		Transformer	
	6V	12V	24V	48V	110V	220V	380V	220V	220V	380V
LED lamp	√	√	√	—	—	—	—	—	√	√
Neon lamp	—	—	—	—	√	√	√	√	—	—
Incandescence lamp	√	√	√	√	√	√	√	—	√	√

# EKPB2

Pushbutton Switch (φ22mm)


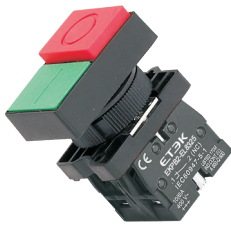
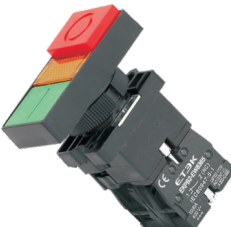


Standard\_ IEC60947-5-1

Plastic Type	Description	Type	Scheme	color
	Flush button spring return	EKPB2-EA11	N/O	○ White
		EKPB2-EA21	N/O	● Black
		EKPB2-EA31	N/O	● Green
		EKPB2-EA51	N/O	● Yellow
		EKPB2-EA61	N/O	● Blue
		EKPB2-EA42	N/C	● Red
		EKPB2-EA25	N/O+N/C	● Black
		EKPB2-EA35	N/O+N/C	● Green
EKPB2-EA45	N/O+N/C	● Red		
	Button with protective cover IP65	EKPB2-EP11	N/O	○ White
		EKPB2-EP21	N/O	● Black
		EKPB2-EP31	N/O	● Green
		EKPB2-EP51	N/O	● Yellow
		EKPB2-EP61	N/O	● Blue
		EKPB2-EP42	N/C	● Red
		EKPB2-EP25	N/O+N/C	● Black
		EKPB2-EP35	N/O+N/C	● Green
EKPB2-EP45	N/O+N/C	● Red		
	Protruding button	EKPB2-EL11	N/O	○ White
		EKPB2-EL21	N/O	● Black
		EKPB2-ELP31	N/O	● Green
		EKPB2-EL51	N/O	● Yellow
		EKPB2-EL61	N/O	● Blue
		EKPB2-EL42	N/C	● Red
		EKPB2-EL25	N/O+N/C	● Black
		EKPB2-EL35	N/O+N/C	● Green
EKPB2-EL45	N/O+N/C	● Red		
	Standard handle knob	EKPB2-ED21	N/O	∨
		EKPB2-ED25	N/O+N/C	∨
		EKPB2-ED41	N/O	∨
		EKPB2-ED45	N/O+N/C	∨
		EKPB2-ED33	2NO	∨
		EKPB2-ED53	2NO	∨
	Long handle knob	EKPB2-EJ21	N/O	∨
		EKPB2-EJ25	N/O+N/C	∨
		EKPB2-EJ41	N/O	∨
		EKPB2-EJ45	N/O+N/C	∨
		EKPB2-EJ33	2NO	∨
		EKPB2-EJ53	2NO	∨

# EKPB2

Pushbutton Switch (φ22mm)






Standard\_ IEC60947-5-1

Plastic Type	Description	Type	Scheme	color
	Key button	EKPB2-EG21	N/O	
		EKPB2-EG25	N/O+N/C	
		EKPB2-EG41	N/O	
		EKPB2-EG45	N/O+N/C	
		EKPB2-EG61	N/O	
		EKPB2-EG65	N/O+N/C	
		EKPB2-EG03	2NO	
		EKPB2-EG33	2NO	
		EKPB2-EG53	2NO	
		EKPB2-EG73	2NO	
	Double head button	EKPB2-EL8325	N/O+N/C	Green Red
		EKPB2-EL8425	N/O+N/C	Green Red
	Double head button with lamp 6V~380V	EKPB2-EW8365 (Directness)	N/O+N/C	Green Yellow Red
		EKPB2-EW8465 (Directness)	N/O+N/O	Green Yellow Red
		EKPB2-EW8375 (Resistance)	N/O+N/C	Green Yellow Red
		EKPB2-EW8475 (Resistance)	N/O+N/C	Green Yellow Red
	Mushroom button spring return	φ 40 EKPB2-EC21	N/O	Black
		φ 40 EKPB2-EC31	N/O	Green
		φ 40 EKPB2-EC42	N/C	Red
		φ 40 EKPB2-EC51	N/O	Yellow
		φ 60 EKPB2-ER21	N/O	Black
		φ 60 EKPB2-ER31	N/O	Green
		φ 60 EKPB2-ER42	N/C	Red
φ 60 EKPB2-ER52	N/O	Yellow		
	Mushroom rotation auto-reset emergency button	φ 30 EKPB2-ES442	N/C	Red
		φ 40 EKPB2-ES542	N/C	Red
		φ 60 EKPB2-ES642	N/C	Red

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Standard\_ IEC60947-5-1

Plastic Type	Description	Type	Scheme	color
	Push and pull type emergency button	φ 40 EKPB2-ET42	N/C	● Red
		φ 40 EKPB2-ET845	N/O+N/C	● Red
	Mushroom rotation auto-reset emergency button with key	φ 40 EKPB2-ES142	N/C	● Red
		φ 40 EKPB2-ES8445	N/O+N/C	● Red
	Indicator light 6V~380V	Directness EKPB2-EV61		○ White
		Directness EKPB2-EV63		● Green
		Directness EKPB2-EV64		● Red
		Directness EKPB2-EV65		● Yellow
		Directness EKPB2-EV66		● Blue
		Resistance EKPB2-EV71		○ White
		Resistance EKPB2-EV73		● Green
		Resistance EKPB2-EV74		● Red
Resistance EKPB2-EV75		● Yellow		
Resistance EKPB2-EV76		● Blue		
	Flush button with lamp Directness 6V~380V	EKPB2-EW3161	N/O	○ White
		EKPB2-EW3361	N/O	● Green
		EKPB2-EW3462	N/C	● Red
		EKPB2-EW3561	N/O	● Yellow
		EKPB2-EW3661	N/O	● Blue
		EKPB2-EW3365	N/O+N/C	● Green
		EKPB2-EW3465	N/O+N/C	● Red
	For making up body assemblies with 3, 4,5 or maximum of 6 contact blocks or replacing 1 st or and contact	EKPB2-EZ101	N/O	● Green
		EKPB2-EZ103	N/O+N/O	● Green
		EKPB2-EZ105	N/O+N/C	● Green ● Red
		EKPB2-EZ102	N/C	● Red
		EKPB2-EZ104	N/C+N/C	● Red ● Red

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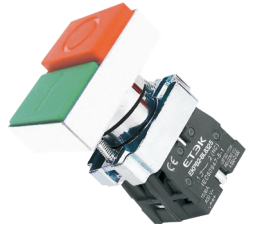




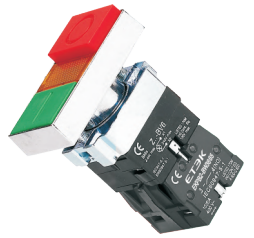





















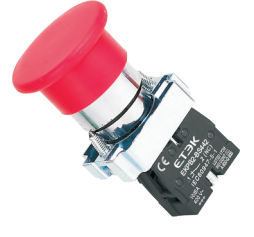



Standard\_ IEC60947-5-1

Metal Type	Description	Type	Scheme	color
	Flush button spring return	EKPB2-BA11	N/O	○ White
		EKPB2-BA21	N/O	● Black
		EKPB2-BA31	N/O	● Green
		EKPB2-BA51	N/O	● Yellow
		EKPB2-BA61	N/O	● Blue
		EKPB2-BA42	N/C	● Red
		EKPB2-BA25	N/O+N/C	● Black
		EKPB2-BA35	N/O+N/C	● Green
EKPB2-BA45	N/O+N/C	● Red		
	Button with protective cover IP65	EKPB2-BP11	N/O	○ White
		EKPB2-BP21	N/O	● Black
		EKPB2-BP31	N/O	● Green
		EKPB2-BP51	N/O	● Yellow
		EKPB2-BP61	N/O	● Blue
		EKPB2-BP42	N/C	● Red
		EKPB2-BP25	N/O+N/C	● Black
		EKPB2-BP35	N/O+N/C	● Green
EKPB2-BP45	N/O+N/C	● Red		
	Protruding button	EKPB2-BL11	N/O	○ White
		EKPB2-BL21	N/O	● Black
		EKPB2-BLP31	N/O	● Green
		EKPB2-BL51	N/O	● Yellow
		EKPB2-BL61	N/O	● Blue
		EKPB2-BL42	N/C	● Red
		EKPB2-BL25	N/O+N/C	● Black
		EKPB2-BL35	N/O+N/C	● Green
EKPB2-BL45	N/O+N/C	● Red		
	Standard handle knob	EKPB2-BD21	N/O	∨
		EKPB2-BD25	N/O+N/C	∨
		EKPB2-BD41	N/O	∨
		EKPB2-BD45	N/O+N/C	∨
		EKPB2-BD33	2NO	∨
		EKPB2-BD53	2NO	∨
	long handle knob	EKPB2-BJ21	N/O	∨
		EKPB2-BJ25	N/O+N/C	∨
		EKPB2-BJ41	N/O	∨
		EKPB2-BJ45	N/O+N/C	∨
		EKPB2-BJ33	2NO	∨
		EKPB2-BJ53	2NO	∨

# EKPB2

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Standard\_ IEC60947-5-1

Metal Type	Description	Type	Scheme	color
	Key button	EKPB2-BG21	N/O	       
		EKPB2-BG25	N/O+N/C	
		EKPB2-BG41	N/O	
		EKPB2-BG45	N/O+N/C	
		EKPB2-BG61	N/O	
		EKPB2-BG65	N/O+N/C	
		EKPB2-BG03	2NO	
		EKPB2-BG33	2NO	
		EKPB2-BG53	2NO	
		EKPB2-BG73	2NO	
	Double head button	EKPB2-BL8325	N/O+N/C	 Green  Red
		EKPB2-BL8425	N/O+N/C	 Green  Red
	Double head button with lamp 6V~380V	EKPB2-BW8365 (Directness)	N/O+N/C	 Green  Yellow  Red
		EKPB2-BW8465 (Directness)	N/O+N/O	 Green  Yellow  Red
		EKPB2-BW8375 (Resistance)	N/O+N/C	 Green  Yellow  Red
		EKPB2-BW8475 (Resistance)	N/O+N/C	 Green  Yellow  Red
	Mushroom button spring return	φ 40 EKPB2-BC21	N/O	 Black  Green  Red  Yellow  Black  Green  Red  Yellow
		φ 40 EKPB2-BC31	N/O	
		φ 40 EKPB2-BC42	N/C	
		φ 40 EKPB2-BC51	N/O	
		φ 60 EKPB2-BR21	N/O	
		φ 60 EKPB2-BR31	N/O	
		φ 60 EKPB2-BR42	N/C	
		φ 60 EKPB2-BR52	N/O	
	Mushroom rotation auto-reset emergency button	φ 30 EKPB2-BS442	N/C	 Red  Red  Red
		φ 40 EKPB2-BS542	N/C	
		φ 60 EKPB2-BS642	N/C	

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Pushbutton Switch (φ22mm) ----- Standard\_ IEC60947-5-1

Metal Type	Description	Type	Scheme	color
	Push and pull type emergency button	φ 40 EKPB2-BT42	N/C	● Red
		φ 40 EKPB2-BT845	N/O+N/C	● Red
	Mushroom rotation auto-reset emergency button with key	φ 40 EKPB2-BS142	N/C	● Red
		φ 40 EKPB2-BS8445	N/O+N/C	● Red
	Indicator light 6V~380V	Directness EKPB2-BV61		○ White
		Directness EKPB2-BV63		● Green
		Directness EKPB2-BV64		● Red
		Directness EKPB2-BV65		● Yellow
		Directness EKPB2-BV66		● Blue
		Resistance EKPB2-BV71		○ White
		Resistance EKPB2-BV73		● Green
		Resistance EKPB2-BV74		● Red
Resistance EKPB2-BV75		● Yellow		
Resistance EKPB2-BV76		● Blue		
	Flush button with lamp Directness 6V~380V	EKPB2-BW3161	N/O	○ White
		EKPB2-BW3361	N/O	● Green
		EKPB2-BW3462	N/C	● Red
		EKPB2-BW3561	N/O	● Yellow
		EKPB2-BW3661	N/O	● Blue
		EKPB2-BW3365	N/O+N/C	● Green
		EKPB2-BW3465	N/O+N/C	● Red
	2-Position Knob lamp 6V~380V	EKPB2-BK2365	N/O+N/C	● Green
		EKPB2-BK2465	N/O+N/C	● Red
	3-Position Knob lamp 6V~380V	EKPB2-BK3365	N/O+N/C	● Green
		EKPB2-BK3465	N/O+N/C	● Red



# EKPB2

Pushbutton Switch (φ22mm)

Standard\_ IEC60947-5-1

Metal Type	Description	Type	Scheme	color
	For making up body assemblies with 3, 4,5 or maximum of 6 contact blocks or replacing 1 st or and contact	EKPB2-BZ101	N/O	● Green
		EKPB2-BZ103	N/O+N/O	● Green
		EKPB2-BZ105	N/O+N/C	● Green ● Red
		EKPB2-BZ102	N/C	● Red
		EKPB2-BZ104	N/C+N/C	● Red ● Red
	Bottombase seat of button with lamp Direct Type Neon(BA9S) LED	EKPB2-BV6	Without bracket	
		EKPB2-BW06	With bracket	
	Bracket	EKPB2-BZ009	Bracket	
	For making up body assemblies with 3, 4,5 or maximum of 6 contact blocks or replacing 1 st or and contact	EKPB2-BE102	N/C	● Red
	For making up body assemblies with 3, 4,5 or maximum of 6 contact blocks or replacing 1 st or and contact	EKPB2-BE101	N/O	● Green