

# Usage Manual



## Pushbutton Switch

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Thank you for choosing EK Series pushbutton switches.  
Please read this manual before installation, operation and maintenance.

## STANDARD AND QUALITY CERTIFICATES

IEC/EN60947-5-1    **RoHS**

### Technical Data

#### Description

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.

#### Type Designation

EKPB-B... Metal Head button (A- flush button, D-knob button, G- key button, S-auto-reset emergency button, C-spring return button, L double-double head button...)

EKPB-BV... indicator (color, voltage optional. )

EKPB-BW... with light (color, voltage optional. )

EKZB-B... is the pushbutton power on module and accessories .

Operation temperature	-5°C~+40°C					
Power-frequency withstand voltage	2500V, 1min					
Operation humidity	45%~85%					
Electric durability	$50 \times 10^4$					
Contact resistance	$\leq 50\text{m}\Omega$					
Degree of protection	Ip40					
Rated insulation voltage	Ui	660V				
Conventional thermal current	Ith	10A				
Rated operation voltage	Ue(V)	380	220	110	48	24
Rated operation current	AC-15	2.5 A	4.5 A	6A	8A	-
	DC-13	-	0.3 A	0.6 A	1.3 A	2.5 A

Rated operational Voltage(V)	Directness					
	6	12	24	48	110	220
LED lamp	√	√	√	—	—	—
Neon lamp	—	—	—	—	√	√
Incandescence lamp	√	√	√	√	√	√

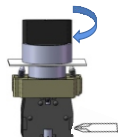
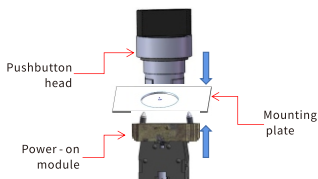
Rated operational Voltage(V)	Resistance		Transformer	
	220	380	220	380
LED lamp	—	—	√	√
Neon lamp	√	√	—	—
Incandescence lamp	—	√	√	√

## PRODUCT ASSEMBLY



### WARNING

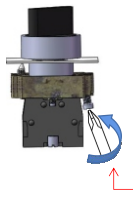
Failure to follow the instructions of this product may cause physical injury or even death.



Pre-tightening installation in the correct style (Figure above)



Without the pre-tightening process, that is, directly tighten the side screw on the middle plate to the mounting plate is easy to cause the base tilt, thus affecting the life and performance of the product. (Figure above)



Recommended using torque of 0.8N