WE INNOVATE



PUSH BUTTON ACTUATORS

2013-06

WE INNOVATE

MACK

Factory Headquarters

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MACK ENTERPRISE CO., LTD.

www.mackelectrical.com

Company History

Mack Electrical began back in 1982, but the seeds were planted in 1972, when Mr. Bob Yuan HSIAO, a well respected businessman from Taiwan, had the vision of bringing together his thoughts, theories and experiences from many successful years of business as a founding President with a number of different companies who were involved in the low voltage electrical manufacturing sector.

Mack Electrical today is one of the top three suppliers of low voltage products in Taiwan, has its own marketing and sales channels, and is a solely private business. The focus of this business is in the field of Low Voltage Electrical Apparatus with an ongoing development of products in the area of Push Buttons. Terminal Blocks, Tower Lights and Power Section Switches.

Mack has obtained globally recognized certificates including ISO9001, UL, CSA, CE and CCC. This certification, together with maintaining a high level of Quality Assurance, has allowed Mack products to be widely used in major construction projects in very prestigious and important industries, both in the domestic and export sectors.

Mack currently operates from its new 5000 square meter factory in the ZhangZhou Development Zone, Fujian Province, with the capacity for large scale production, a highly skilled workforce, and "state of the art "machinery allowing for high quality and fast turn-around of production needs.

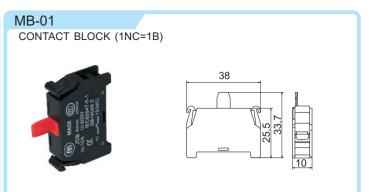
Mack contracts necessary expertise from overseas in order to provide both domestic and international customers with the best possible products and services. Mr. Mark HSIAO, the eldest son of the founder, is the President of Mack Electrical operations in ZhangZhou and has been involved with the business for over 25 years.

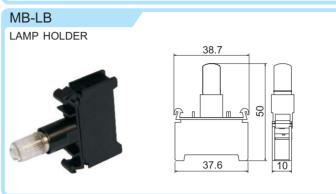
Mack is constantly working on developing products to fill a void in the market in addition to specifically targeting the export market sector.



ACCESSORIES AND SPARE PARTS













Φ22mm/Φ30mm PILOT LIGHTS









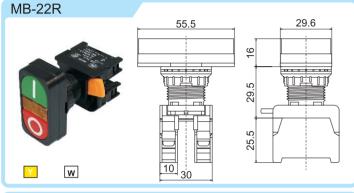


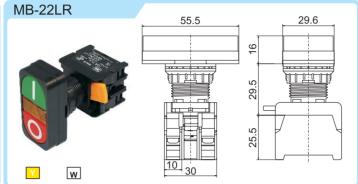


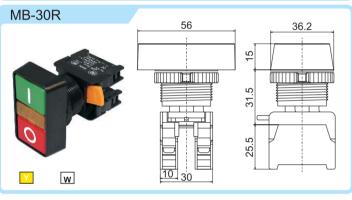


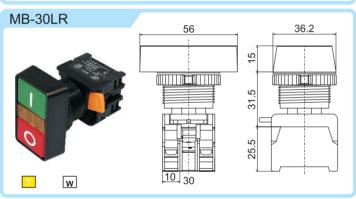
PUSH BUTTON ACTUATORS



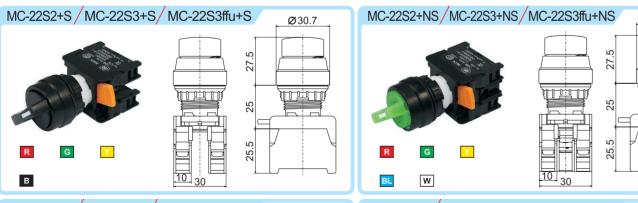


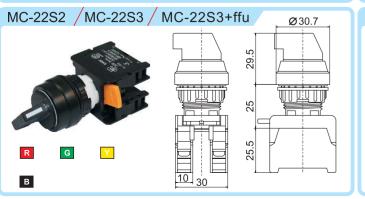


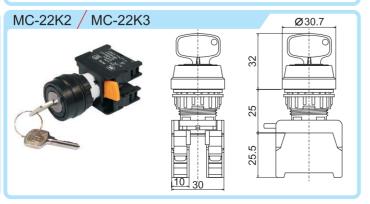




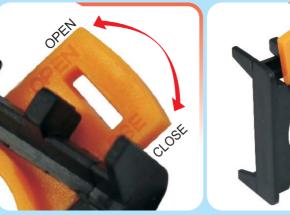
SELECTOR SWITCH ACTUATORS







FEATURES





Brand-new "Snap On" mechanism

"Tool-Free" Push Button Replacement - simply snap on the contact element (push Yellow Holder to "Close" direction for disassembly, "OPEN" for assembly)



Expandable contact element for various requriements and more flexible in use

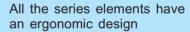






IP65 Degree of Protection Rating







Key-operated mechanism will provide









ORDERING

Type of Push Button Actuators

ME

 $\frac{2}{\Phi 25}$ — Installation Diameter $\begin{cases} \Phi 22 \\ \Phi 25 \end{cases}$

3 — Type of Push Button Actuators

F	Flush	LF	Illuminated Flush	
Р	Extended	LP	Illuminated Extended	
М	Mushroom	LM	Illuminated Mushroom	
Z	Emergency Stop	Z+N	Illuminated Emergency Stop	
R	Double-touch	LR	Illuminated Double-touch	
S2	Long Knob (2 Positions)	S2+NS	Illuminated Standard Knob (2 Positions)	
S3	Long Knob (3 Positions)	S3+NS	Illuminated Standard Knob (2 Positions)	
S2+S	Standard Knob (2 Positions)	K2	Key Operated (2 positions)	
S3+S	Standard Knob (3 Positions)	K3	Key Operated (3 positions)	

Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes | Codes

6 Colours R G Y BL W

7 Bulb Types & Voltages

Filament	D1=AC/DC6V	D2=AC/DC12V	D3=AC/DC12V	D4=AC/DC24V
Neon	N1=AC110V	N2=AC220V	N3=AC380V	N4=AC440V
LED	D4L=AC/DC24V	N1L=AC110V	N2L=AC220V	N3L=AC380V

PILOT LIGHTS

M L — 1 — C(E) — 2 — 3

Installation Diameter \longrightarrow $\begin{cases} 22\\ 30 \end{cases}$

C(E) — LED

2 Colours R G V BL W

Bulb Type & Voltages

 LED
 D2L=AC/DC12V
 D4L=AC/DC24V
 N1L=AC110V
 N2L=AC220V
 N3L=AC380V

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