

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## **Electronic Control Pushbutton**

#### LED, INCANDESCENT, OR NON-LIGHTED DISPLAY



PWB Mount (Standard plunger)

MML21K

Rectangular Black Housing

Square Black Housing

**Housing Type** 

MML21K

MML21H



Panel Mount (Standard plunger)



PWB Mount (One-piece plunger)

#### FFATURES

- Silver or gold contacts
- Choice of rectangular or square housings
- Accepts one LED or incandescent lamp
- Printed wiring board or snap-in panel mounting
- Bezels and mounting clips, LEDs and legended lenses can be furnished installed or ordered separately
- UL recognized, CSA certified

mounting)

#### Example: MML21KK3AAK

Electronic control pushbutton switch with standard plunger; rectangular housing (black); bezel (black); mounting clips on long sides, PWB terminals; 1-pole, momentary action, silver contacts, black plunger.

#### **Example: MML21KK3AAKRSDR**

Catalog listing codes for switch, less assembled display options

As above, except furnished with red LED and red lens installed.

MML21KK3AAHRSXX20 as above, legended.

#### MML21 STANDARD PLUNGER SWITCHES ORDER GUIDE

mounting)

INGER SWITCHES ONDER GOIDE

Mounting

Rectangular Square

A No bezel (PWB A No bezel (PWB

K Black bezel, mtg. clip/long sides R Black bezel & mtg. clip

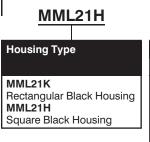
Terminals
Circuitry/Action (Each pole is double throw)
Rectangular Square
3 Printed Silver Contacts: Silver contacts:

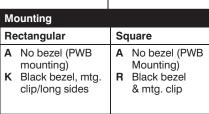
	Rectangular		Square	
	Silver Contacts:		Silver contacts:	
l	AA	1 pole,	AA	1-pole,
l		mom. action		mom. action
		1 pole,	AB	1-pole,
	ı	alt. action		alt. action
	AC	2 pole,		
	١	mom. action		
	AD	2 pole,		
	١	alt. action	٠.	
	Gold Contacts:		0.0	d contacts
	BA	1 pole,	BA	1-pole,
	l	mom. action		mom. action
	BB	1 pole,	BB	1-pole,
	l	alt. action		alt. action
	BC	2 pole,		
	l	mom. action		
	l BD	2 pole.	I	

#### MML21 ONE PIECE LENS/PLUNGER SWITCHES ORDER GUIDE

Catalog listing codes for switch, less assembled display options

alt. action





K



3

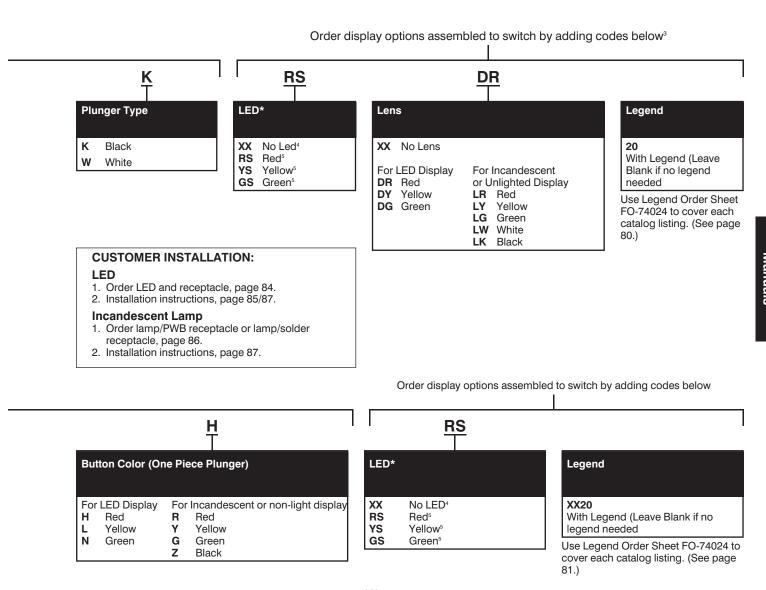
Wiring

Board

Solder

Circuitry/Action (Each pole is double throw)							
Rec	tangular	Square					
Silv	Silver Contacts:		Silver contacts:				
AA	1 pole,	AA	1-pole,				
۱, ۵	mom. action		mom. action				
	1 pole, alt. action	AB	1-pole, alt. action				
	ait. action 2 pole,		ail. action				
1	mom. action						
AD	2 pole,						
	alt. action						
Gold Contacts:		Gold contacts					
BA	1 pole,	BA	1-pole,				
	mom. action		mom. action				
BB	1 pole,	BB	1-pole,				
l <sub>BC</sub>	alt. action		alt. action				
BC	2 pole, mom. action						
BD	2 pole,						
	alt. action						

Electrical Data	page 69
Bezels	page 84
Strip and matrix mounting	page 83
PWB pin locations	page 91



### \* Notes:

- When an LED is specified in a rectangular MML21 listing, MICRO SWITCH will permanently install it in the housing.
- MICRO SWITCH does not permanently install an LED in a square MML21 listing. To install an LED in a square housing, order a MML93L or MML93G receptacle and a MML92 LED (see pages 86 and 88).
- 3. Include four digits (XXXX or XX DR) when a legend is required.
- 4. For square or rectangular only.
- 5. For rectangular only.