

## LM2T METAL PUSHBUTTONS DATASHEET

Order code	Colour	Qty per pkg	Wt
		n°	[kg]

Flush (without mounting adapter). Spring return.

8 LM2T B102	Black	10	0.033
8 LM2T B103	Green	10	0.033
8 LM2T B104	Red	10	0.033
8 LM2T B105	Yellow	10	0.033
8 LM2T B106	Blue	10	0.033
8 LM2T B108	White	10	0.033



Extended (without mounting adapter). Spring return.

8 LM2T B202	Black	10	0.035	
8 LM2T B203	Green	10	0.035	
8 LM2T B204	Red	10	0.035	
8 LM2T B205	Yellow	10	0.035	
8 LM2T B206	Blue	10	0.035	
8 LM2T B208	White	10	0.035	
8 LM2T B1102	0	Black	10	0.033
8 LM2T B1104		Red	10	0.033
8 LM2T B1113	1	Green	10	0.033
8 LM2T B1118		White	10	0.033



SPRING RETURN.

Ø40mm/1.6" (without mounting adapter).

8 LM2T B6142	Black	10	0.037
8 LM2T B6143	Green	10	0.037
8 LM2T B6144	Red	10	0.037
8 LM2T B6344	Red	10	0.054

Ø40mm/1.6" (without mounting adapter).

For emergency stopping, ISO 13850 compliant.

8 LM2T B6644	Red	10	0.087
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LATCH, TURN KEY TO RELEASE.

Ø40mm/1.6" (without mounting adapter).

For normal stopping.

8 LM2T B6542	Black	10	0.091
8 LM2T B6542G●		1	0.091
8 LM2T B6544	Red	10	0.091



### Operational characteristics

- Any mounting position allowed
- Ambient conditions:
  - Operating temperature: -25...+60°C
  - Storage temperature: -40...+70°C
- Degree of protection:
  - Per IEC/EN: IP65
  - Per UL/CSA: Type 1, 2, 3R, 4, 4X, 12, 12K.

### Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

### Mechanical endurance

Operating force: 0.8kg/1.7lb (actuator)  
Mechanical life: 1,000,000 cycles.

### Mounting adapter

Type: LM2T AU120.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm/0.59lbf).

Actuators latch onto the mounting adapter by simple rotation through a Ø22mm/Ø0.87" drilling also on the cover of LPZ control stations.

### Contact elements for spring-return actuators with symbols

Type: LM2T C10 (1NO)  
LM2T CF10 (1NO Faston)  
LM2T C10A (1EM)  
LM2T C01 (1NC)  
LM2T CF01 (1NC Faston)  
LM2T C01D (1LB)

Contact elements snap onto the mounting adapter.

Up to 6 contacts can be fitted: 2 each on the left, middle and right, one behind the other.

Up to 3 contacts per actuator can be internally fitted on the cover surface of LPZ control stations.

To use contact elements in the middle position, install the action plug LM2T A140 on the actuator; see page 7-38.



### Certifications and compliance

Certifications obtained: UL Listed for USA and Canada, (cULus - File E93601), as Auxiliary Devices; EAC, RINA, LROS, CCC.




Compliant with standards: IIEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.

# LM2T METAL PUSHBUTTONS DATASHEET










Order code	Type of position	Qty per pkg	Wt
		n°	[kg]
2 position (without mounting adapter).			
8 LM2T S120		10	0.049
8 LM2T S121		10	0.049

2 position (without mounting adapter).

8 LM2T S320		10	0.079
8 LM2T S320G①		1	0.079
8 LM2T S321		10	0.079
8 LM2T S321G①		1	0.079
8 LM2T S340		10	0.079
8 LM2T S340G①		1	0.079

3 position (without mounting adapter).

8 LM2T S330		10	0.080
8 LM2T S330G①		1	0.080
8 LM2T S331		10	0.080
8 LM2T S331G①		1	0.080
8 LM2T S332②		10	0.080
8 LM2T S332G①②		1	0.080
8 LM2T S333②		10	0.080
8 LM2T S333G①②		1	0.080
8 LM2T S350		10	0.080
8 LM2T S350G①		1	0.080
8 LM2T S360		10	0.080
8 LM2T S360G①		1	0.080
8 LM2T S370②		10	0.080
8 LM2T S370G①②		1	0.080



## Operational characteristics

- Any mounting position allowed
- Ambient conditions:
  - Operating temperature: -25...+60°C
  - Storage temperature: -40...+70°C
- Degree of protection:
  - Per IEC/EN: IP65
  - Per UL/CSA: Type 1, 2, 3R, 4, 4X, 12, 12K.

## Materials

An aluminium and zinc alloy (zama) is used for the metal part whereas plastic parts are made of polyamide and polycarbonate.

## Mechanical endurance

Mechanical life: 300,000 cycles.

## Mounting adapter

See page 7-41.

Type: LM2T AU120.

The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm/0.59").

Actuators latch onto the mounting adapter by simple rotation through a Ø22mm/Ø0.87" drilling also on the cover of LPZ control stations.

## Contact elements

See page 7-41.

Type: LM2T C10 (1NO)  
 LM2T CF10 (1NO Faston)  
 LM2T C10A (1EM)  
 LM2T C01 (1NC)  
 LM2T CF01 (1NC Faston)  
 LM2T C01D (1LB)




Contact elements snap onto the mounting adapter.

Up to 4 contacts can be fitted: 2 each on the left and right, one behind the other.

Up to 2 contacts per actuator can be internally fitted on the cover surface of LPZ control stations, 1 on the left and right.

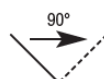
For combination with more than 4 contacts, consult Technical support for advice; see contact details on inside front cover.

## Type of positions

-  Maintained position.
-  Spring return position.
-  • Key extraction position.

## Rotation angles

2 position



3 position



# LM2T METAL PUSHBUTTONS DATASHEET



Order code	Description	Qty per pkg	Wt
		n°	[kg]

Only for metal series LM2T actuators.

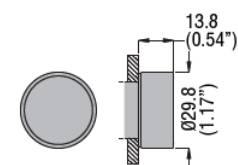
<b>8 LM2T AU120</b>	Mounting adapter	10	0.019
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Order code	Function	Qty per pkg	Wt
		n°	[kg]

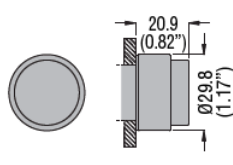
Screw termination.

Without mounting adapter

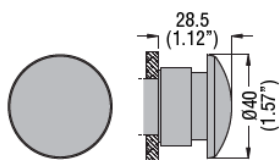
<b>8 LM2T C10ⓘ</b>	NOⓘ	10	0.011
<b>8 LM2T C10A</b>	EMⓂ	10	0.011
<b>8 LM2T C01Ⓜ</b>	NCⓂ	10	0.011
<b>8 LM2T C01Dⓘ</b>	LBⓘ	10	0.011



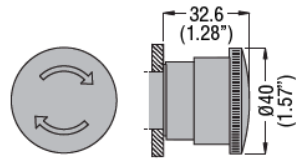
Flush  
**LM2T B1...**



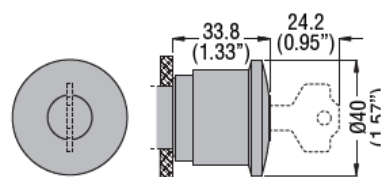
Extended  
**LM2T B2...**



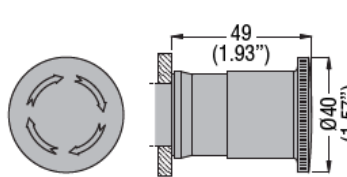
Spring return  
**LM2T B614...**



Turn to release  
**LM2T B634...**



Turn key to release  
**LM2T B654...**



Turn to release  
**LM2T B6644**

## Operational characteristics

- Any mounting position allowed
- The adapter is fixed to the mounting surface by means of incorporated screws (Tmax = 0.8Nm/0.59lbf) also internally on LPZ control stations covers
- Contact elements snap onto the adapter
- Maximum tightening torque for screw terminals: 1Nm
- Ambient conditions:
  - Operating temperature: -25...+60°C
  - Storage temperature: -40...+70°C
- Degree of protection:
  - IP20 for contacts elements with screw termination
  - IP00 for contact elements with Faston termination.

## General characteristics of contact elements

Wiping action and dual scraping and oscillating effect,

IEC rated insulation voltage: 690V

IEC rated thermal current Ith: 10A

Conductivity: 5V 10mA.

UL/GSA and IEC/EN 60947-5-1 designation: A600 Q600.

IEC/EN operational characteristics in AC15 category:

[V]	12	24	48	120	240	400	480	500	600
[A]	6	6	6	6	3	1.9	1.5	1.4	1.2

IEC/EN operational characteristics in DC13 category:

[V]	12	24	48	125	250	440	500	600
[A]	3	3	1.5	0.55	0.27	0.15	0.13	0.1

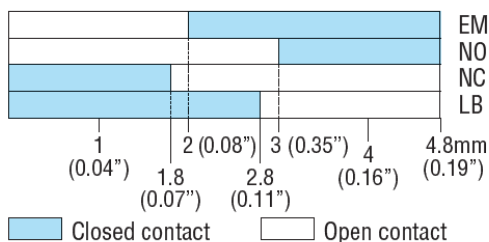
Short-circuit protection fuse: max. calibre 10A gG/SC

Contact resistance: ≤20mΩ

Terminals: Clamp screw with washer

Faston 1-6.35mm/0.25" or 2-2.8mm/0.11".

## Stroke of contact elements



**Maximum conductor cross section for screw terminals 1 or 2** 2.5mm<sup>2</sup> or AWG12 cables.

## Mechanical and electric endurance

Operating force: 0.5kg / 1.1lb (contact elements).

Electrical life:	LM2T C10	1,000,000 cycles
	LM2T CF10	1,000,000 cycles
	LM2T C01	1,000,000 cycles
	LM2T CF01	1,000,000 cycles
	LM2T C10A	600,000 cycles
	LM2T C01D	600,000 cycles

## Certifications and compliance

Certifications obtained: RINA, LROS, EAC, CCC, UL Listed, for USA and Canada (cULus - File E93601), as Auxiliary Devices.

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, GSA C22.2 n° 14.