

### Joysticks



8 LM2T J...  
(without mechanical interlock)



8 LM2T J...  
(with mechanical interlock)

| Order code | Type of positions | N° contact elements | Qty per pkg | Wt   |
|------------|-------------------|---------------------|-------------|------|
|            |                   | NO                  | n°          | [kg] |

Without mechanical interlock. Label holder excluded.  
Complete with contact elements.

|             |  |   |   |       |
|-------------|--|---|---|-------|
| 8 LM2T J200 |  | 2 | 1 | 0.082 |
| 8 LM2T J201 |  | 2 | 1 | 0.082 |
| 8 LM2T J400 |  | 4 | 1 | 0.104 |
| 8 LM2T J401 |  | 4 | 1 | 0.104 |

With mechanical interlock in centre position.  
Label holder excluded. Complete with contact elements.

|             |  |   |   |       |
|-------------|--|---|---|-------|
| 8 LM2T J210 |  | 2 | 1 | 0.082 |
| 8 LM2T J211 |  | 2 | 1 | 0.082 |
| 8 LM2T J410 |  | 4 | 1 | 0.104 |
| 8 LM2T J411 |  | 4 | 1 | 0.104 |

#### Operational characteristics

- Any mounting position allowed
- LM2T J2... types can be used with LPZ control stations
- Ambient conditions:
  - Operating temperature: -25...+60°C
  - Storage temperature: -40...+70°C
- Degree of protection:
  - IEC IP20 / UL/CSA Type 1 for contact elements
  - On front:
    - 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 parts whereas plastic parts are made of polyamide and polycarbonate.  
The sealing boot is made of NBR rubber.

#### Mechanical endurance

Mechanical life: 1,000,000 cycles.

#### General characteristics of contact elements

Wiping action and dual scraping-oscillating effect  
IEC rated insulation voltage: 690V  
IEC rated thermal current Ith: 10A  
UL/CSA and IEC/EN 60947-5-1 designation: A300 Q300  
IEC operational power in AC15:

| [V] | 12 | 24 | 48 | 120 | 240 |
|-----|----|----|----|-----|-----|
| [A] | 6  | 6  | 6  | 6   | 3   |

IEC operational power in DC13:

| [V] | 12   | 24   | 48   | 125  | 250  |
|-----|------|------|------|------|------|
| [A] | 0.55 | 0.55 | 0.55 | 0.55 | 0.27 |

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

Contact resistance: ≤20mΩ

Terminals: Clamp screw with washer

Maximum tightening torque: 1Nm / 0.74lbf.

#### Mounting adapter and contact elements

The joystick is standard supplied with the mounting adapter and contact elements.

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

The joystick latches onto the mounting adapter by simple rotation through a Ø22mm/0.89" drilling also on the cover of LPZ control stations. The mounting adapter and contact elements of LM2T J2... types can be internally mounted on LPZ control stations covers.

Contact elements snap onto the mounting adapter.

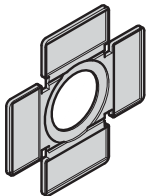
Two LM2T CJ... contacts are mounted with LM2T J2... types while four with LM2T J4... versions.

#### Certifications and compliance

Certifications obtained: CCC, EAC, 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, CSA C22.2 n° 14.

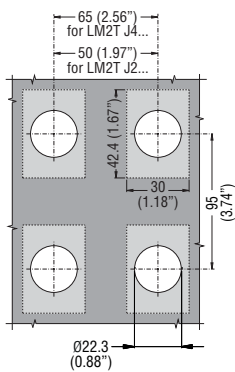
### Accessories



8 LM2T AU101

| Order code   | Description                                 | Qty per pkg | Wt    |
|--------------|---------------------------------------------|-------------|-------|
|              |                                             | n°          | [kg]  |
| 8 LM2T AU101 | 2-4 directional holder for adhesive legends | 10          | 0.004 |

Drillings - Minimum recommended distances



**Joystick positions and contact activation**

2 instable   
 2 stable  
 4 instable   
 4 stable

|          | 1 | 2 | 3 | 4 | A | B | C | D | N |
|----------|---|---|---|---|---|---|---|---|---|
| LM2TCJ10 | 1 | • |   |   |   |   |   |   |   |
| LM2TCJ01 | 2 |   | • |   |   |   |   |   |   |
| LM2TCJ10 | 3 |   |   | • |   |   |   |   |   |
| LM2TCJ01 | 4 |   |   |   |   | • |   |   |   |

|          | 1 | 2 | A | B | N |
|----------|---|---|---|---|---|
| LM2TCJ10 | 1 | • |   |   |   |
| LM2TCJ10 | 2 |   | • |   |   |