

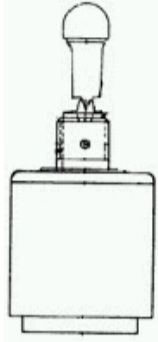


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## 104TL2-12E



Actual product appearance may vary.

**TL Series Toggle Switch, 4 pole, 3 position, IWTS (16-20 Gage) terminal, Locking Lever, Military Part Number MS27789-1E**

### Features

Qualified to MILS-3950  
 Environmentproof sealing  
 1,2, and 4 pole circuitry  
 Standard and pull-to-unlock levers  
 2 and 3 position, maintained and momentary toggle action  
 Temperature range: -85° F to +160° F  
 Completely sealed switching chamber  
 Step-design case provides added space between terminals to help prevent shorting  
 UL recognized, CSA certified  
 CE approved

### Potential Applications

Industrial machinery and equipment  
 Military and commercial aviation  
 Construction equipment  
 Test instruments  
 Agricultural machinery  
 Process control  
 Medical instrumentation

### Description

MICRO SWITCH™ TL Series toggle switches have high strength, temperature resistant, non-tracking case material and silver cadmium oxide contacts. Pull-to-Unlock toggle levers prevent accidental operation; the lever must be pulled approx. 2,3 mm (0.09 inches) to change positions.

### Supporting Documentation

[Accessory: Seals](#)

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| Product Specifications                |   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------|---|-------------------------------------|----------------------------|-------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Circuitry/Operating action            | <table border="0"> <thead> <tr> <th>Keyway Maintained Position</th> <th>Center Maintained Position</th> <th>Opposite Maintained Keyway Position</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Keyway Maintained Position          | Center Maintained Position | Opposite Maintained Keyway Position |  |  |  |  |  |  |  |  |  |  |  |  |
| Keyway Maintained Position            | Center Maintained Position  | Opposite Maintained Keyway Position |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
|                                       |   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Product Type                          | MICRO SWITCH™ Toggle Switch   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Lever Lock                            | <br>Locked in center position   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Ampere/Voltage Range (Resistive Load) | 0.5 A to 6 A at 0.5 Vac to 230 Vac, 0.5 A to 7.5 A at 0.5 Vdc to 28 Vdc, 0.5 A at 250 Vdc, 0.75 A at 115 Vdc  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Circuitry                             | 4PDT  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Action                                | 3 position  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Mounting                              | Bushing 15/32 in  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Termination                           | IWTS (16 - 20 Gage)   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Military Part Number                  | MS27789 -1E   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Lever Type                            | Locking   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| UL/CSA Rating Code                    | L191: 15 A - 125, 250, 277 Vac; 1/2 Hp - 125 Vac; 1 Hp - 250, 277 Vac; 5 A - 120 Vac "L"  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Comment                               | Silver cadmium oxide contacts   |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Availability                          | Global  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| UNSPSC Code                           | 30211908  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| UNSPSC Commodity                      | 30211908 Toggle switches  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |
| Series Name                           | TL  |                                     |                            |                                     |  |  |  |  |  |  |  |  |  |  |  |  |

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