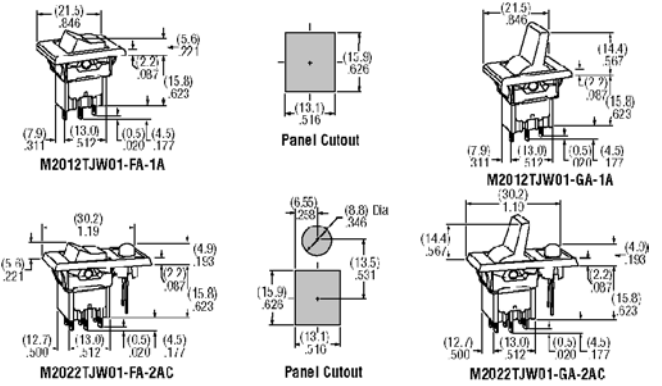


Rocker, Paddle and Slide Switches

Subminiature Rocker and Paddle Switches

NEW



M Series Features: Snap-in with solder lug, UL recognized and CSA certified, stainless steel housing and bezel with black rocker or paddle. Electrical Capacity: 6 A resistive load @ 125 V AC. Dielectric Strength: 1,500 V AC min. between contacts and case. Electrical Life: 25,000 operations min. Angle of Throw: 25°. Ambient Temperature: -15°C through +85°C. Terminal Holes: 0.043" x 0.079". Mounting Hole Center: 0.937". Panel Thickness: 0.125".

Snap-In Mount with Rocker

| Stock No. | Mfr.'s Type       | Pole Throw | Circuit    | EACH |       |         |
|-----------|-------------------|------------|------------|------|-------|---------|
|           |                   |            |            | 1-24 | 25-99 | 100-499 |
| 870-5506  | M2012TJW01-FA-1A  | SPDT       | On-none-on | 4.77 | 4.37  | 4.03    |
| 870-5507  | M2013TJW01-FA-1A  | SPDT       | On-off-on  | 5.32 | 4.88  | 4.50    |
| 870-5508  | M2022TJW01-FA-1A  | DPDT       | On-none-on | 6.38 | 5.85  | 5.40    |
| 870-5509  | M2023TJW01-FA-1A  | DPDT       | On-off-on  | 7.18 | 6.58  | 6.07    |
| 870-5510  | M2012TJW01-FA-2AC | SPDT       | On-none-on | 6.28 | 5.34  | 4.93    |
| 870-5511  | M2013TJW01-FA-2AC | SPDT       | On-off-on  | 6.38 | 5.85  | 5.40    |
| 870-5512  | M2022TJW01-FA-2AC | DPDT       | On-none-on | 7.46 | 6.83  | 6.31    |
| 870-5513  | M2023TJW01-FA-2AC | DPDT       | On-off-on  | 8.23 | 7.55  | 6.97    |

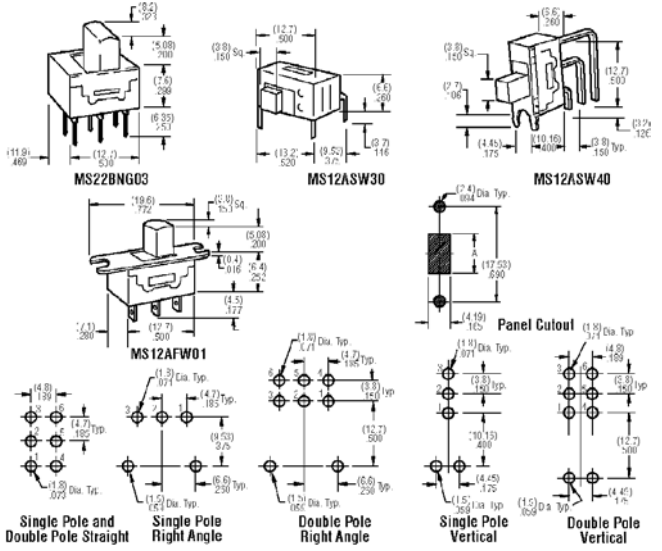
Snap-In Mount with Paddle

|          |                   |      |            |      |      |      |
|----------|-------------------|------|------------|------|------|------|
| 870-5514 | M2012TJW01-GA-1A  | SPDT | On-none-on | 4.77 | 4.37 | 4.03 |
| 870-5515 | M2013TJW01-GA-1A  | SPDT | On-off-on  | 5.32 | 4.88 | 4.50 |
| 870-5516 | M2022TJW01-GA-1A  | DPDT | On-none-on | 6.38 | 5.85 | 5.40 |
| 870-5517 | M2023TJW01-GA-1A  | DPDT | On-off-on  | 7.18 | 6.58 | 6.07 |
| 870-5518 | M2012TJW01-GA-2AC | SPDT | On-none-on | 5.82 | 5.34 | 4.93 |
| 870-5519 | M2013TJW01-GA-2AC | SPDT | On-off-on  | 6.38 | 5.85 | 5.40 |
| 870-5520 | M2022TJW01-GA-2AC | DPDT | On-none-on | 7.46 | 6.83 | 6.31 |
| 870-5522 | M2023TJW01-GA-2AC | DPDT | On-off-on  | 8.23 | 7.55 | 6.97 |

LED Electrical Specifications

| LED Color | Forward Peak Current | Continuous Forward Current | Reverse Peak Voltage | Current Reduction Rate Above 25° | Forward Peak Voltage |
|-----------|----------------------|----------------------------|----------------------|----------------------------------|----------------------|
| Red       | 25 mA                | 20 mA                      | 4 V                  | 0.33                             | 2.8                  |

Subminiature Slide Switches

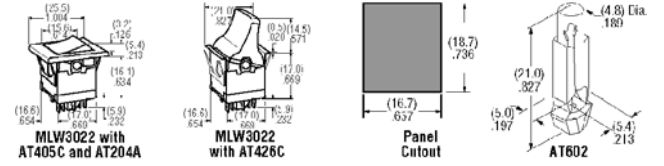


MS Series Features: Power and logic level, actuator of polyamide, housing of stainless steel, non-shorting contacts, UL recognized and CSA certified. Electrical Capacity: Silver code "W" — 6 A @ 125 V AC; Gold code "G" — 0.4 A @ 28 V AC/DC. Contact Resistance: Silver — 10 milliohms max.; Gold — 20 milliohms max. Electrical Life: Silver — 25,000 operations min.; Gold — 50,000 operations min. Total Travel: On-none-on — 0.067"; On-off-on — 0.138". Ambient Temperature: -10°C through +70°C. Panel Mount SP and DP. Mounting Hole Center: 0.690". Maximum Effective Panel Thickness: 0.197".

Prices Subject To Change — We Always Ship At The Lowest Price In Effect



Lighted Snap-In Paddle and Rocker Switches



MLW Series Features: .902" behind panel, front panel relampable, isolated lamp circuit, UL recognition, and epoxy sealed terminals. Electrical Capacity: 5 A resistive load @ 125 V AC. Dielectric Strength: 1,500 V AC minimum. Electrical Life: 10,000 operations minimum. Operating Force: 1014 grams for rockers and 460 grams for paddles. Angle of Throw: 26°. Ambient Temperature: -10°C through +50°C.

Basic Switch with Solder Lug Terminals

Order caps and bezel separately. Matching indicator available. Terminal Holes: .043" x .079". Panel Thickness: .039" through .157" without bezel and .039" through .118" with bezel.

| Stock No. | Mfr.'s Type | Pole Throw | Circuit<br>( ) = momentary | EACH  |       |         |
|-----------|-------------|------------|----------------------------|-------|-------|---------|
|           |             |            |                            | 1-24  | 25-99 | 100-499 |
| 870-0801  | MLW3012     | SPDT       | on-none-on                 | 8.36  | 7.67  | 7.08    |
| 870-0802  | MLW3013     | SPDT       | on-off-on                  | 8.77  | 8.04  | 7.42    |
| 870-0803  | MLW3015     | SPDT       | on-none-(on)               | 9.29  | 8.52  | 7.86    |
| 870-0804  | MLW3018     | SPDT       | (on)-off-(on)              | 9.74  | 8.93  | 8.24    |
| 870-0805  | MLW3019     | SPDT       | on-off-(on)                | 9.74  | 8.93  | 8.24    |
| 870-0806  | MLW3022     | DPDT       | on-none-on                 | 9.29  | 8.52  | 7.86    |
| 870-0807  | MLW3023     | DPDT       | on-off-on                  | 9.79  | 8.98  | 8.29    |
| 870-0808  | MLW3025     | DPDT       | on-none-(on)               | 10.00 | 9.16  | 8.46    |
| 870-0809  | MLW3028     | DPDT       | (on)-off-(on)              | 10.40 | 9.54  | 8.80    |
| 870-0810  | MLW3029     | DPDT       | on-off-(on)                | 10.40 | 9.54  | 8.80    |

Caps, Bezel and Lamps

| Stock No. | Mfr.'s Type | Description            | EACH |       |       |
|-----------|-------------|------------------------|------|-------|-------|
|           |             |                        | 1-24 | 25-49 | 50-99 |
| 870-0811  | AT405B      | White rocker cap       | 1.02 | .94   | .86   |
| 870-0812  | AT405C      | Red rocker cap         | 1.02 | .94   | .86   |
| 870-0816  | AT405E      | Yellow rocker cap      | 1.02 | .94   | .86   |
| 870-0813  | AT405F      | Green rocker cap       | 1.02 | .94   | .86   |
| 870-0815  | AT405G      | Blue rocker cap        | 1.02 | .94   | .86   |
| 870-0817  | AT426B      | White paddle cap       | 1.02 | .94   | .86   |
| 870-0818  | AT426C      | Red paddle cap         | 1.02 | .94   | .86   |
| 870-0822  | AT426E      | Yellow paddle cap      | 1.02 | .94   | .86   |
| 870-0819  | AT426F      | Green paddle cap       | 1.02 | .94   | .86   |
| 870-8724  | AT204A      | Black bezel            | .72  | .66   | .61   |
| 870-0839  | AT204B      | White bezel            | .72  | .66   | .61   |
| 870-0842  | AT204H      | Gray bezel             | .72  | .66   | .61   |
| 870-0843  | AT602-6V    | 6 V incandescent lamp  | 1.74 | 1.60  | 1.48  |
| 870-0844  | AT602-12V   | 12 V incandescent lamp | 1.74 | 1.60  | 1.48  |
| 870-0847  | AT602-26V   | 26 V incandescent lamp | 1.74 | 1.60  | 1.48  |
| 870-8725  | AT602N      | 110 V neon lamp        | 3.06 | 2.81  | 2.59  |

AT602 Lamp Specifications — Determined at Basic Temperature of 25°C

|           |           |           |           |            |                           |
|-----------|-----------|-----------|-----------|------------|---------------------------|
| Voltage   | 6 V       | 12 V      | 26 V      | 110 V Neon | Recommended Resistor      |
| Current   | 80 mA     | 50 mA     | 22 mA     | 1.5 mA     | for Neon: 33 KΩ for 110 V |
| Endurance | 2000 hrs. | 2000 hrs. | 2000 hrs. | 2000 hrs.  | and 100 KΩ for 220 V AC   |

Straight PC Terminals

| Stock No. | Mfr.'s Type | Pole Throw | Circuit    | Dim. A |     | EACH |       |         |
|-----------|-------------|------------|------------|--------|-----|------|-------|---------|
|           |             |            |            | In.    | mm  | 1-24 | 25-99 | 100-499 |
| 870-9934  | MS12ANG03   | SPDT       | On-none-on | 0.268  | 6.8 | 3.60 | 3.39  | 3.04    |
| 870-5019  | MS12ANW03   | SPDT       | On-none-on | 0.268  | 6.8 | 3.36 | 3.08  | 2.84    |
| 870-9935  | MS13ANG03   | SPDT       | On-off-on  | 0.319  | 8.1 | 4.01 | 3.67  | 3.39    |
| 870-5020  | MS13ANW03   | SPDT       | On-off-on  | 0.319  | 8.1 | 3.78 | 3.47  | 3.20    |
| 870-5021  | MS22BNG03   | DPDT       | On-none-on | 0.268  | 6.8 | 5.78 | 5.30  | 4.89    |
| 870-5022  | MS22BNW03   | DPDT       | On-none-on | 0.268  | 6.8 | 5.32 | 4.88  | 4.50    |
| 870-5023  | MS23BNG03   | DPDT       | On-off-on  | 0.319  | 8.1 | 6.25 | 5.73  | 5.29    |
| 870-5024  | MS23BNW03   | DPDT       | On-off-on  | 0.319  | 8.1 | 5.79 | 5.30  | 4.90    |

Right Angle PC Terminals

|          |           |      |            |       |     |      |      |      |
|----------|-----------|------|------------|-------|-----|------|------|------|
| 870-9938 | MS12ASG30 | SPDT | On-none-on | 0.268 | 6.8 | 4.26 | 3.91 | 3.61 |
| 870-5025 | MS12ASW30 | SPDT | On-none-on | 0.268 | 6.8 | 4.32 | 3.96 | 3.66 |
| 870-9939 | MS13ASG30 | SPDT | On-off-on  | 0.319 | 8.1 | 4.97 | 4.56 | 4.21 |
| 870-5026 | MS13ASW30 | SPDT | On-off-on  | 0.319 | 8.1 | 4.75 | 4.35 | 4.02 |
| 870-9940 | MS22ASG30 | DPDT | On-none-on | 0.268 | 6.8 | 7.47 | 6.85 | 6.32 |
| 870-5027 | MS22ASW30 | DPDT | On-none-on | 0.268 | 6.8 | 7.01 | 6.43 | 5.93 |
| 870-9941 | MS23ASG30 | DPDT | On-off-on  | 0.319 | 8.1 | 7.94 | 7.28 | 6.72 |
| 870-5028 | MS23ASW30 | DPDT | On-off-on  | 0.319 | 8.1 | 7.47 | 6.85 | 6.32 |

Vertical PC Terminals

|          |           |      |            |       |     |      |      |      |
|----------|-----------|------|------------|-------|-----|------|------|------|
| 870-5029 | MS12ASG40 | SPDT | On-none-on | 0.268 | 6.8 | 4.93 | 4.52 | 4.17 |
| 870-5030 | MS12ASW40 | SPDT | On-none-on | 0.268 | 6.8 | 4.69 | 4.30 | 3.97 |
| 870-9943 | MS13ASG40 | SPDT | On-off-on  | 0.319 | 8.1 | 5.34 | 4.90 | 4.52 |
| 870-5031 | MS13ASW40 | SPDT | On-off-on  | 0.319 | 8.1 | 5.12 | 4.69 | 4.33 |
| 870-9944 | MS22ASG40 | DPDT | On-none-on | 0.268 | 6.8 | 8.38 | 7.61 | 6.95 |
| 870-5032 | MS22ASW40 | DPDT | On-none-on | 0.268 | 6.8 | 7.75 | 7.11 | 6.56 |
| 870-5033 | MS23ASG40 | DPDT | On-off-on  | 0.319 | 8.1 | 8.68 | 7.96 | 7.34 |
| 870-5034 | MS23ASW40 | DPDT | On-off-on  | 0.319 | 8.1 | 8.22 | 7.53 | 6.95 |

Panel Mounting with Solder Lug Terminals

|          |           |      |            |       |     |      |      |      |
|----------|-----------|------|------------|-------|-----|------|------|------|
| 870-9930 | MS12AFW01 | SPDT | On-none-on | 0.268 | 6.8 | 3.15 | 2.89 | 2.67 |
| 870-5035 | MS12AFG01 | SPDT | On-none-on | 0.268 | 6.8 | 3.09 | 2.84 | 2.62 |
| 870-9932 | MS22AFW01 | DPDT | On-none-on | 0.268 | 6.8 | 4.91 | 4.50 | 4.16 |
| 870-5036 | MS22AFG01 | DPDT | On-none-on | 0.268 | 6.8 | 5.38 | 4.93 | 4.55 |

ALLIED ► 239