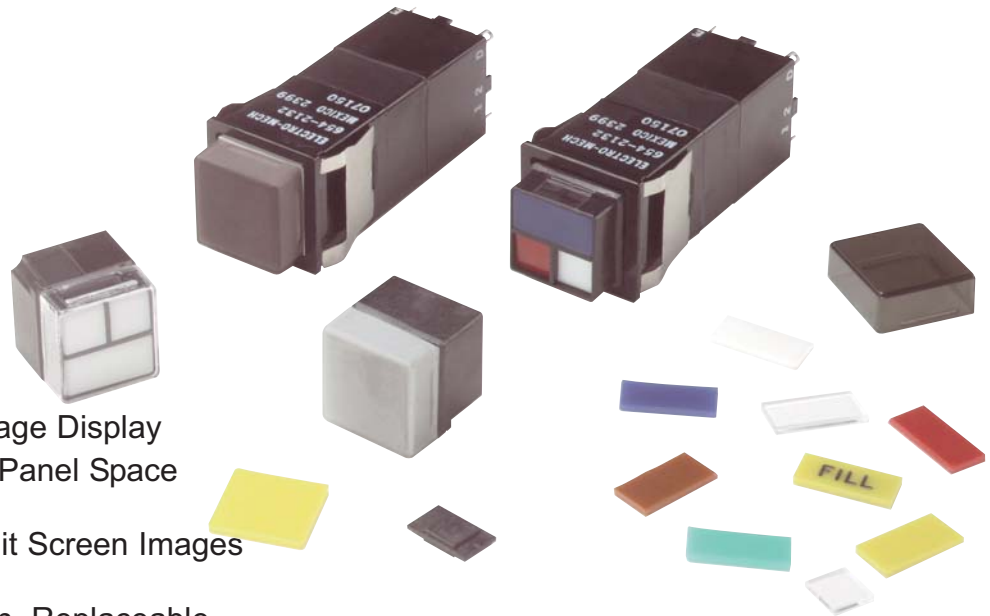


Series 900-SMT

Multi-Image

3/4" Square LED Pushbutton Switches

Page 1 of 5



- Single Module, Multi-Image Display Design Saves Valuable Panel Space
- Horizontal & Vertical Split Screen Images
- Easy Snap-In Installation, Replaceable Lenses/Filters
- SPST - 6PDT Switching Functions
- SMT LEDs on PCB Array Backlighting
- 28VDC Lens Operating Voltage

Ideal for a variety of applications where several switching functions or status indicators are needed, the Series 900-SMT provides remarkable display versatility and multi-LED redundancy. These compact, low-profile switches can be specified for exacting requirements in both switch function, versatility of lens and legend displays. For added flexibility, legends, filters, and colors can be easily changed in the field.

Series 900-SMT (3/4" square) units can be specified in singular or multiple switch circuit functions from SPST to 6PDT, with momentary or alternate action switching actions. Independent circuitry increases reliability and a unitized, insulated housing assures proper insulation. An optional clear lens cover protects and enhances replaceable filters. Units snap-in from front of panel with a low-profile flush bezel. Hidden legend lenses are also available.

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Series 900-SMT

Multi-Image

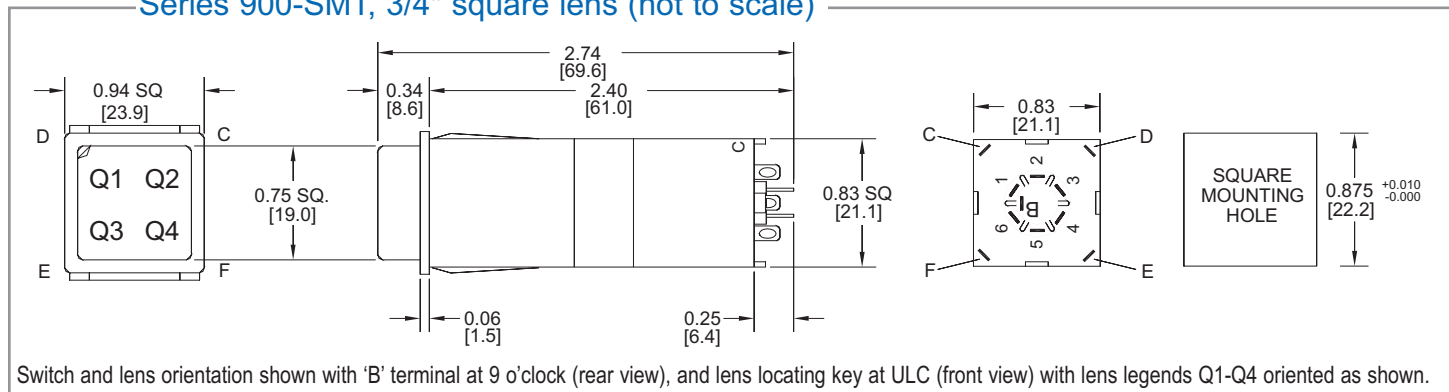
3/4" Square LED Pushbutton Switches



Specifications:

| | |
|-------------------------------|---|
| Ratings: | 30 volts DC or 120 volts AC, 1.0A res., 0.5A ind. |
| Life: | 100,000 cycles minimum |
| Weight: | 0.8 oz. (23 g) (max.) |
| Operating Pressure: | 2 lbs. \pm 1 lb. (908g \pm 454g) |
| Plunger Travel: | 0.187" (4.7mm) (approx.) |
| Terminals: | EMC solder lug terminals. Accepts two 20 AWG wires. PC pins also available. |
| Pushbutton Lenses With LED's: | See part number table. All lenses include SMT LED's on PCB built into the lens base. LED's are not replaceable. Lens cap, lens filters, and lens legends are replaceable. |

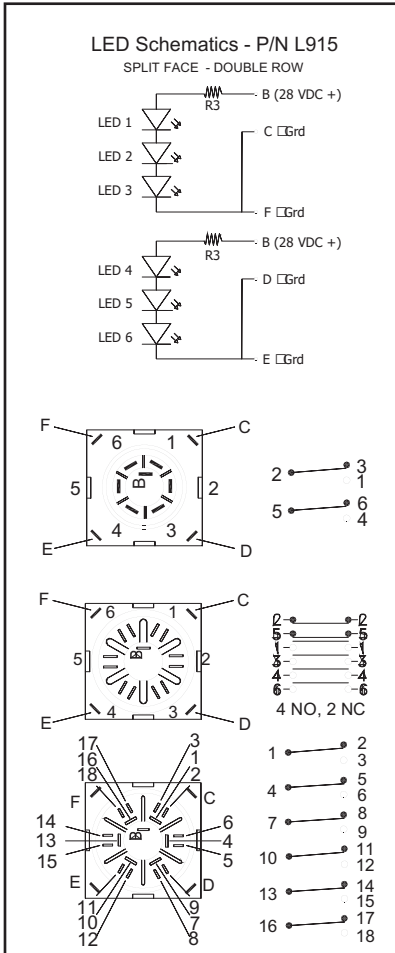
Series 900-SMT, 3/4" square lens (not to scale)



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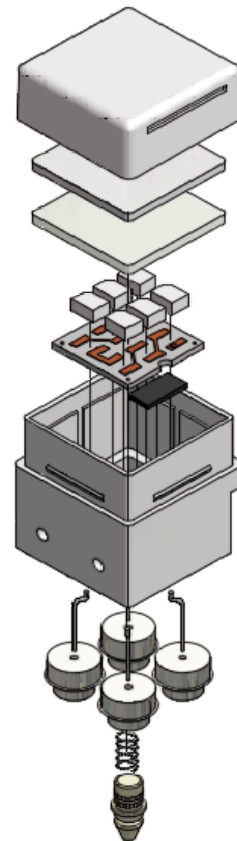
Series 900-SMT

Multi-Image 3/4" Square LED Pushbutton Switches



| Lens Option Description | | 3/4" Sq. Horizontal Key ULC* |
|-------------------------|---|------------------------------------|
| | Quad light with no barriers | L914 |
| | Quad light with horizontal barrier | L915 |
| | Quad light with horizontal barrier plus vertical barrier in top half | L916 |
| | Quad light with horizontal barrier plus vertical barrier in bottom half | L917 |
| | Quad light with horizontal and vertical barriers | L918 |
| | Quad light with vertical barrier | L919 |
| | Quad light with vertical barrier plus horizontal barrier in left half | L920 |
| | Quad light with vertical barrier plus horizontal barrier in right half | L921 |

*ULC = upper lefthand corner, horizontal mount.



Specifying Series 900-SMT Multi-LED Lens Filters and Legends:

- Specify lens part number from table above.
 - If replaceable legend lens is required, specify "C" (clear), "F" (frosted), "S1" (smoke grey, glossy finish) or "S2" (smoke grey, with sand blasted finish). This cap will be removeable and legend and filter plates can be changed or replaced.
 - If non-replaceable legend lens is required, specify "W" (white) or other color code (R, B, etc.). Lens cap will be epoxied to lens base and non-removeable.
 - Standard lens base is white. To order in black, specify "black base." (Often used with PN/hidden legend appearance.)
 - Specify Photo Positive (PP) or Photo Negative (PN) lens legends after lens cap designation.
 - Specify all four quadrants of the lens assembly regardless of lens part number. The four quadrants are specified 1,2 across the top and 3,4 across the bottom. The four color codes before the slash are the non-illuminated lens color in the replaceable legend lens assembly. After the slash, the color codes are the filter colors. If no filter required, specify "CCCC".
- Examples: L915W-RRGG/CCCC L915C/PP-GGWW/CCCC engr CKT A, CKT B
L938F-WRGY/YCCC L919S2/PN-WWWW/CCCC blk base engr READY, CAUTION

We have created many custom lenses including hidden legends, photo positive and negative legend films, and matte finishes. Please contact us regarding your specific requirements. (900-SMT 10/2018)

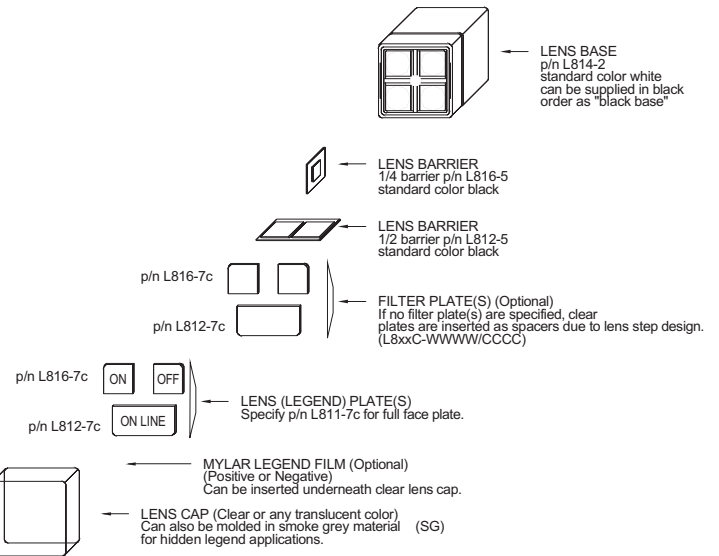
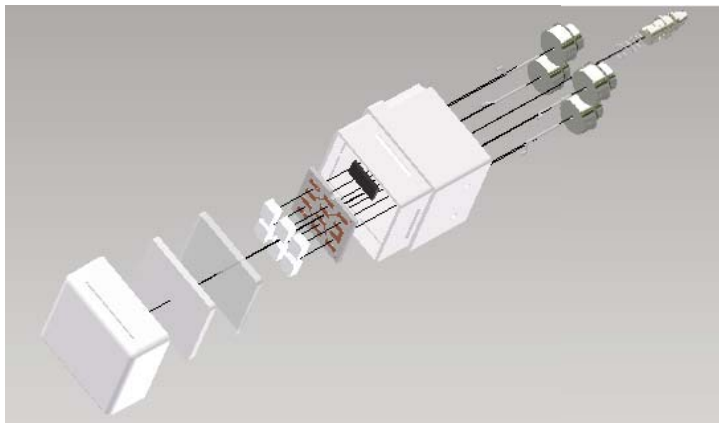
Series 900-SMT

Multi-Image

3/4" Square LED Pushbutton Switches

INTERCHANGEABLE LEGENDS/FILTERS

Series 900-SMT models may be specified with standard lenses shown on Page 3 of 5 or these replaceable lens filters for added versatility.



Ordering Information:

All part numbers in Series 900-SMT require an EMC SW parts number, e.g. SW45999. Contact factory for SW#. Please try to determine the closest catalog number per the sample part number table below:

Sample Part Number:

| | | | | | | |
|--|-------|---|-------|-------|---|-------------|
| | 954 | - | 2128, | L915C | - | WWRR / GGCC |
| Basic Series 900 (9) | _____ | | | | | |
| Mounting bezel options: 5, 7, or 8 | _____ | | | | | |
| Fixed at '4' (may contain more than 4 SMT LED's) | _____ | | | | | |
| Switch action/number of circuits | _____ | | | | | |
| - See Series 2100 or Series 2600; use same 4 digit identification (page 5) | _____ | | | | | |
| Lens part number - see table Page 3 of 5 | _____ | | | | | |
| First letter after lens number indicates top cap material (C, F, S1, S2, W, *) | _____ | | | | | |
| Specify four lens segments - material color on top lens layer | _____ | | | | | |
| Specify four lens segments - material color on bottom lens layer | _____ | | | | | |

SMT LED's will be built into the lens base. Please specify color of each quadrant as above. Default voltage = 28vdc.



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Series 900-SMT

Multi-Image

3/4" Square LED Pushbutton Switches

Part Number Table: Circuitry SPST-2PDT:

| Switch Action | — SPST — | | 2PST | | | 1PDT | 2PDT | Notes: |
|--------------------------------|----------|-------|-------------|-------------|-------------|-------|-----------------|--|
| | 1N.O. | 1N.C. | 2N.O. | 2N.C. | 1N.O. | | | |
| Momentary | 2128 | 2129 | 2130 | 2131 | 2132 | 2149 | 2150 | Artificial click in momentary travel. |
| Snap Feel Momentary | 2428 | 2429 | 2430 | 2431 | 2432 | 2449 | 2450 | |
| Push-On/Push-Off | 2228 | 2229 | 2230 | 2231 | 2232 | 2249 | 2250 | Button is physically depressed in down position. See schematic below for terminal location. |
| Push-On/Remain-In/ Push-Off | 2328 | 2329 | 2330 | 2331 | 2332 | 2349 | 2350 | |
| Terminals Used: | 1-2 | 2-3 | 1-2, 4-5 | 2-3, 5-6 | 1-2, 5-6 | 1-2-3 | 1-2-3, 4-5-6 | |

Part Number Table: Circuitry 3PST-6PDT:

| Snap Feel | Momentary | Push-On | Push-Off | Circuitry | Normally Open | Normally Closed |
|----------------|-----------|----------|-----------|-----------------------|------------------|------------------|
| Momentary | Momentary | Push-Off | Remain-In | | Terminals | Terminals |
| | | Push-Off | Push-Off | | | |
| 2530 | 2630 | 2730 | 2830 | 2PST - 2 N.O. | 2, 5 | - |
| 2531 | 2631 | 2731 | 2831 | 2PST - 2 N.C. | - | 2, 5 |
| 2532 | 2632 | 2732 | 2832 | 2PST - 1 N.O., 1 N.C. | 2 | 5 |
| 2533 | 2633 | 2733 | 2833 | 3PST - 3 N.O. | 2, 4, 6 | - |
| 2534 | 2634 | 2734 | 2834 | 3PST - 3 N.C. | - | 2, 4, 6 |
| 2535 | 2635 | 2735 | 2835 | 3PST - 1 N.O., 2 N.C. | 2 | 4, 6 |
| 2536 | 2636 | 2736 | 2836 | 3PST - 2 N.O., 1 N.C. | 2, 4 | 6 |
| 2537 | 2637 | 2737 | 2837 | 4PST - 4 N.O. | 1, 2, 4, 5 | - |
| 2538 | 2638 | 2738 | 2838 | 4PST - 4 N.C. | - | 1, 2, 4, 5 |
| 2539 | 2639 | 2739 | 2839 | 4PST - 1 N.O., 3 N.C. | 1 | 2, 4, 5 |
| 2540 | 2640 | 2740 | 2840 | 4PST - 2 N.O., 2 N.C. | 2, 4 | 1, 5 |
| 2541 | 2641 | 2741 | 2841 | 4PST - 3 N.O., 1 N.C. | 1, 2, 4 | 5 |
| 2542 | 2642 | 2742 | 2842 | 6PST - 6 N.O. | 1, 2, 3, 4, 5, 6 | - |
| 2543 | 2643 | 2743 | 2843 | 6PST - 6 N.C. | - | 1, 2, 3, 4, 5, 6 |
| 2544 | 2644 | 2744 | 2844 | 6PST - 1 N.O., 5 N.C. | 1 | 2, 3, 4, 5, 6 |
| 2545 | 2645 | 2745 | 2845 | 6PST - 2 N.O., 4 N.C. | 2, 5 | 1, 3, 4, 6 |
| 2546 | 2646 | 2746 | 2846 | 6PST - 3 N.O., 3 N.C. | 2, 4, 6 | 1, 3, 5 |
| 2547 | 2647 | 2747 | 2847 | 6PST - 4 N.O., 2 N.C. | 1, 3, 4, 6 | 2, 5 |
| 2548 | 2648 | 2748 | 2848 | 6PST - 5 N.O., 1 N.C. | 2, 3, 4, 5, 6 | 1 |
| Terminals used | | | | | | |
| 2550 | 2650 | 2750 | 2850 | 2PDT | 4, 5, 6 | 13, 14, 15 |
| 2551 | 2651 | 2751 | 2851 | 3PDT | 1, 2, 3 | 7, 8, 9 |
| 2552 | 2652 | 2752 | 2852 | 4PDT | 1, 2, 3 | 4, 5, 6 |
| 2553 | 2653 | 2753 | 2853 | 5PDT | 1, 2, 3 | 4, 5, 6 |
| 2554 | 2654 | 2754 | 2854 | 6PDT | 1, 2, 3 | 4, 5, 6 |
| | | | | | | 7, 8, 9 |
| | | | | | | 10, 11, 12 |
| | | | | | | 13, 14, 15 |
| | | | | | | 16, 17, 18 |

For non-illuminated version, specify the digit "1" in the first position (e.g. 1652).

For **Indicator Light only (no travel)**, specify **-3210** after bezel part number (e.g. 654-3210).