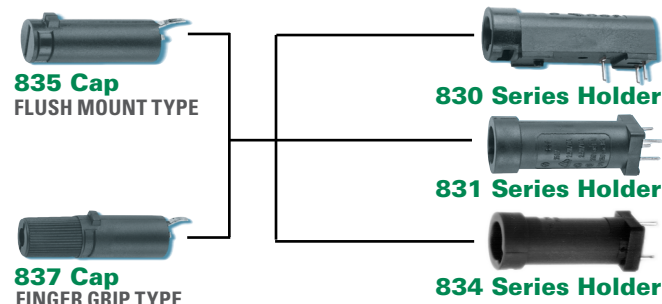
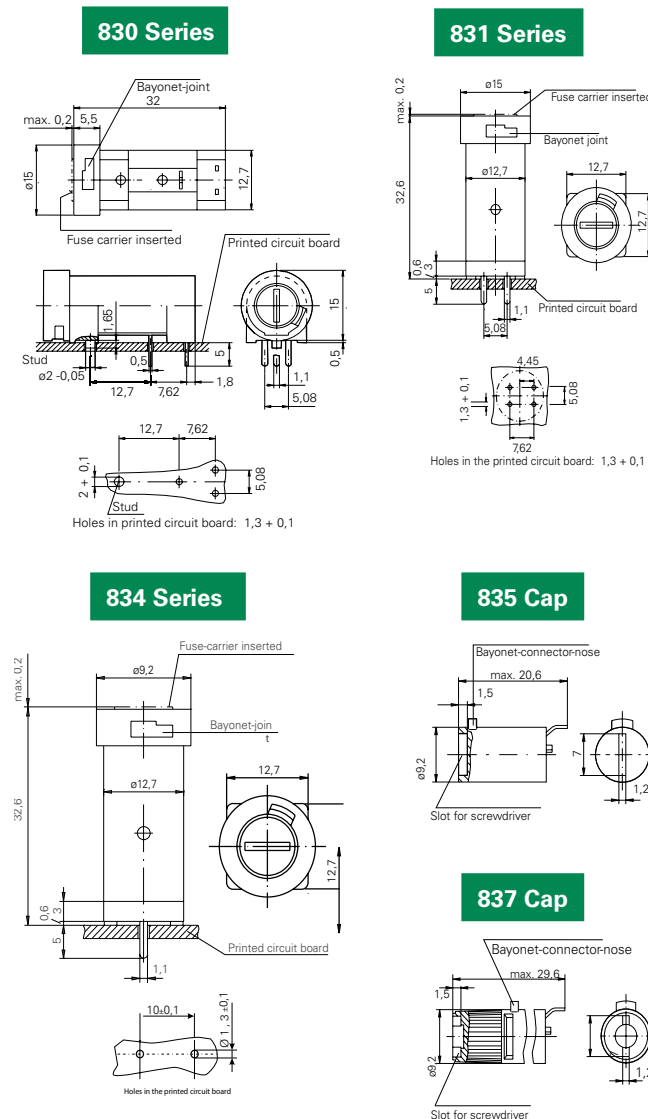


### 830/831/834 Series Circuit Board Mount Enclosed Fuse Holders



Not for new designs - refer to No. 862

#### Product Dimensions



#### Product Characteristics

|                                        | 830 Series                                                                                                | 831 Series                                                                      | 834 Series                                                                                      |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Compatible Fuses</b>                | for 5x20 mm Fuses, 213, 215, 216, 217, 218, 219, 232, 233, 234, 235, and 239 Series                       |                                                                                 |                                                                                                 |
| <b>Materials</b>                       | <b>Holder/Cap:</b> Black Thermoplastic Polyamide PA 6.6, UL94 V-0                                         |                                                                                 |                                                                                                 |
|                                        | <b>Metal Parts:</b> Copper alloy, corrosion protected                                                     |                                                                                 |                                                                                                 |
|                                        | <b>Terminals:</b> Solderable, tinned                                                                      |                                                                                 |                                                                                                 |
| <b>Electrical Data (23°C)</b>          | <b>Rated Voltage:</b> 250V                                                                                |                                                                                 |                                                                                                 |
|                                        | <b>Rated Current:</b> 6.3A (VDE/SEMKO) 16A (UL/CSA)                                                       |                                                                                 |                                                                                                 |
|                                        | <b>Rated Power:</b> 1.6W (VDE/SEMKO)                                                                      | <b>Rated Power:</b> 2.5W (VDE/SEMKO)                                            | <b>Rated Power:</b> 2.5W (834+835 - VDE/SEMKO)                                                  |
| <b>Mounting</b>                        | (3) Solder pins 0.5mmx1.1mm and plastic stud. The pins spaced at 5.08mm form a common connection.         | (4) Solder pins 0.5mmx1.1mm The pins spaced at 5.08mm form a common connection. | (2) Solder pins 0.5mmx1.1mm                                                                     |
|                                        |                                                                                                           |                                                                                 |                                                                                                 |
| <b>Protection Class &amp; Category</b> | IP 40 (IEC 60529) PC2 (IEC 60127-6)                                                                       |                                                                                 |                                                                                                 |
| <b>Operating Temperature</b>           | -25 °C to 70 °C (consider de-rating)                                                                      |                                                                                 |                                                                                                 |
| <b>Climatic Test</b>                   | -25°C/+70°C/21 days (IEC 60068-2-1...3)                                                                   |                                                                                 |                                                                                                 |
| <b>Stock Conditions</b>                | +10°C to +60°C relative humidity $\leq 75\%$ yearly average, without dew, maximum value for 30 days - 95% |                                                                                 |                                                                                                 |
| <b>Vibration Resistance</b>            | 24 cycles at 15 min. each (IEC 60068-2-6) 10 - 60Hz at 0.75mm amplitude 60 - 2000Hz at 10g acceleration   |                                                                                 |                                                                                                 |
| <b>Contact Resistance</b>              | $\leq 5m\Omega$                                                                                           |                                                                                 |                                                                                                 |
| <b>Dielectric Strength</b>             | $> 1.5$ kV                                                                                                |                                                                                 |                                                                                                 |
| <b>Impulse Voltage</b>                 | 4 kV, 50 Hz, 1 min., dry                                                                                  |                                                                                 | 4 kV with 1,2 $\mu$ s/50 $\mu$ s                                                                |
| <b>Insulation Resistance</b>           | $> 10^3$ M $\Omega$ (500 VDC, 1 min.)                                                                     |                                                                                 |                                                                                                 |
| <b>Solderability</b>                   | 235°C, 2 sec. (Soldering bath) (IEC 60068-2-20) 350°C, 3 sec. (Soldering Iron) (IEC 60068-2-20)           |                                                                                 | 235°C, 2 sec. (Soldering bath) (IEC 60068-2-20) 350°C, 3 sec. (Soldering Iron) (IEC 60068-2-20) |
|                                        | 260°C, 5 sec. (IEC 60068-2-20)                                                                            |                                                                                 | 260°C, 5 sec. (Soldering bath) (IEC 60068-2-20)                                                 |
| <b>Soldering Heat Resistance</b>       | 260°C, 5 sec. (IEC 60068-2-20)                                                                            |                                                                                 |                                                                                                 |
| <b>Minimum Cross Section</b>           | Conducting path - 0.2mm <sup>2</sup>                                                                      |                                                                                 |                                                                                                 |
| <b>Marking</b>                         | 830, 250V, Approvals                                                                                      | 831, 250V, Approvals                                                            | 834, 250V, Approvals                                                                            |
| <b>Unit Weight</b>                     | 4.4g (Holder) / 1.6g (835) / 2.2g (837)                                                                   | 4.1g (Holder) / 1.6g (835) / 2.2g (837)                                         | 3.5g (834) / 1.6g (835) / 2.2g (837)                                                            |

Agency approvals and ordering information is included on the next page.

## Agency Approval

| Agency                                                                            | Agency File Number |            |            |
|-----------------------------------------------------------------------------------|--------------------|------------|------------|
|                                                                                   | 830 Series         | 831 Series | 834 Series |
|  | 120623             | 123441     | 006913 UG  |
|  | 608509             | 608510     | 608511     |
|  | E70164             |            |            |
|  | 47574              |            |            |

## Ordering Information

| Ordering PN    | Description                               |
|----------------|-------------------------------------------|
| Fuseholder     |                                           |
| 830 0000 0005  | ACS 5×20mm Fuseholder 830 Series for 250V |
| 831 0000 0005  | ACS 5×20mm Fuseholder 831 Series for 250V |
| 834 0000 0005  | ACS 5×20mm Fuseholder 834 Series for 250V |
| Fuseholder Cap |                                           |
| 835 0000 0005  | ACS 5×20mm Fuseholder CAP 835 Series      |
| 837 0000 0005  | ACS 5×20mm Fuseholder CAP 837 Series      |

## Additional Information



**Datasheet**  
**830 Series**



**Datasheet**  
**831 Series**



**Datasheet**  
**834 Series**



**Resources**  
**830 Series**



**Resources**  
**831 Series**



**Resources**  
**834 Series**



**Samples**  
**830 Series**



**Samples**  
**831 Series**



**Samples**  
**834 Series**