



THE DATASHEET OF
83500000005






820/821/823/824 Series

Panel Mount Enclosed Fuseholders

Product Characteristics

| | 820 Series | 820 20 Series | 821 Series | 823 Series | 824 Series | 824 20 Series |
|-------------------------------|--|--|---|---|--|--|
| Compatible Fuses | 5x20mm | | | | | |
| Materials | Holder/Cap: Black Thermoplastic UL 94 V-0 | Holder/Cap: White Thermoplastic PBT, UL94 V-0 Nut: Thermoplastics, black, UL94 V-0 | Holder/Cap: Thermoplastic black, UL94 V-0 | Holder/Cap: Black Thermoplastic UL94 V-0 | Holder/Cap: Thermoplastic UL 94V-0, black | Holder/Cap: Thermoplastic UL94 V-0, white |
| | Metal Parts: Copper alloy, corrosion protected | | | | | |
| | | | | Clamp Spring: Spring steel, non-treated | | |
| | Terminals: Solderable, tinned | | | | | |
| Electrical Data (23°C) | Rated Voltage: 250V | | | | | |
| | Rated Current: 6.3A (VDE) 16A (UL/CSA) | | | | | |
| | Rated Power: 2.5 W (VDE) | Rated Power: 2.5 W (VDE) | Rated Power: 2.5 W (VDE) | Rated Power: 4 W (VDE) | | Rated Power: 4 W |
| Mounting | 12.7mm diameter D-hole or double D-hole Admissible torque on plastic hex nut is 1.2Nm | | 12.7mm diameter D-hole or double D-hole (panel 1mm - 4.5mm) Admissible torque on plastic hex nut is 1.2Nm | Pluggable with clamping spring into 12.7mm diameter D-hole (panel thickness 0.75mm-3mm) | Pluggable (panel thickness 1.2 mm-2.5 mm) | |
| Terminals | Solderable or 4.8mm quick connect-fits 0.5mm tab | | | | | |
| Protection Category | IP 40 (IEC 60529) PC2 (IEC 60127-6) | | | | | |
| Operating Temperature | -25°C to +70°C | | | | | |
| Climatic Test | -25 °C/+70 °C/21 days (IEC 60068-2-1...3) | | | | | |
| Stock Conditions | +10°C to +60°C relative humidity ≤ 75% yearly average, without dew, maximum value for 30 days - 95% | | | | | |
| Vibration Resistance | 24 cycles at 15 min. each (IEC 60068-2-6)10 - 60Hz at 0.75mm amplitude 60 - 2000Hz at 10g acceleration | | | | | |
| Contact Resistance | ≤ 5mΩ | | | | | |
| Dielectric Strength | > 1.5 kV | | | | | |
| Impulse Voltage | 4kV, 50Hz, 1min, dry | 4kV with 1,2μs/50μs | | 4kV, 50Hz, 1 min., dry | | |
| Insulation Resistance | > 10 ³ MΩ (500 VDC, 1 min.) | | | | | |
| Solderability | 235°C, 3 sec (Wave) 350°C, 1 sec. (Solder Iron) | 235°C, 2 sec. (Solder Bath) (IEC 60068-2-20) 350°C, 3 sec. (Solder Iron) (IEC 60068-2-20) | | 235°C, 3 sec. (Wave) 350°C, 1 sec. (Soldering Iron) | | |
| Soldering Heat Resist | 260°C, 5 sec. (IEC 60068-2-20) | | | | | |
| Min. Cross Section | Conductor - 2.5mm ² | | | | | |
| Marking | 820, 250 V, Approvals | | 821, 250V, Approvals | 823, 250V, Approvals | 824, 250V, Approvals | |
| Unit Weight | 4.0g (Holder) / 1.6g (835) / 2.2g (837) | 4.0 g (820) / 1.6 g (835) | 4.0g (821) / 1.6g (835) / 2.2g (837) | 3.8g (Holder) / 1.6g (835) / 2.2g (837) | 3.3g (824) / 1.6g (835) / 2.2g (837) | 3.3g (824) / 1.6g (835) / 2.2g (837) |

Agency Approval

| Agency | Agency File Number | | | | | |
|---|--------------------|--------|--------|---------|--------|---|
|  | 132225 | 125183 | 135536 | 122096 | 122098 | - |
|  | E 70164 | E70164 | E70164 | E 70164 | E70164 | - |
|  | 47574 | 47574 | 47574 | 47574 | 47574 | - |

Ordering Information

| | | | | | | |
|---------------------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| Ordering Number: Holders | 82000000005 | 82000000205 | 82100000005 | 82300000005 | 82400000005 | 82400000205 |
| Ordering Number: Caps | Flush Mount Type: 83500000005 / 83500000205 Finger Grip Type 83700000005 | | | | | |
| Packaging | Bulk 100 Pcs all items listed above | | | | | |

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