

PCB Mount Fuseholders



DESCRIPTION

A horizontal PCB mount fuseholder with bayonet release for 5x20mm fuses.

DISTINCTIVE FEATURES

- Horizontal mounting
- Protected to IP40
- Bayonet release
- UL and VDE approved

APPLICATIONS

These R-TECH fuseholders are used to integrate a 5 x 20mm fuse safely within an electric circuit. They are ideal where a PCB mounted fuse needs to be completely enclosed and are suited to professional and hobbyist applications.

5 x
20mm

PCB

IP40

10A

VDE

UL



ELECTRICAL SPECIFICATION

| | |
|--|--|
| Shocksafe Category | PC2 to IEC 60127-6 |
| Rated Voltage | 250VAC |
| Rated Current (UL) | 20A |
| Rated Current (VDE) | 10A |
| Rated Power | 2.5W/10A @ Ta 23°C Admissible power at higher ambient temperature, see derating curves |
| IEC Acceptance (See derating curves) | See graph |
| Protection Class | Class 1 or 2 acc. to IEC 61140 |
| Contact Resistance | < 5mΩ at 20 mV |
| Dielectric Strength (Between L-N) | > 3kV (50Hz; 1 min) |
| Dielectric Strength (Between L/N-PE) | > 4kV (50Hz; 1 min) |
| Insulation Resistance (Between L-N) | > 10MΩ (500VDC; 1 min) |
| Insulation Resistance (Between L/N-PE) | > 100MΩ (500VDC; 1 min) |
| Overvoltage Category | I - III acc. to IEC 60664-1 |
| Impulse Withstand Voltage (Between L-N) | > 4kV |
| Impulse Withstand Voltage (Between L/N-PE) | > 6kV |



GENERAL SPECIFICATION

| | |
|--|---|
| Series | Fuseholders |
| Type | PCB mounting Horizontal bayonet release |
| Fuse Cap Fitting Type | Bayonet release |
| Compatible Fuse Size (Diameter x Length) | 5 x 20mm |
| Mounting Type | PCB mount |
| Mounting Method | Solder pins |
| Product Marking | Type, Voltage, Current, Approvals |



MATERIALS

| | |
|-------------|-------------------------|
| Base/Body | Thermoplastic UL94-V0 |
| Terminals | Tin-Plated Copper Alloy |
| Cap | Thermoplastic UL94-V0 |
| Base Colour | Black |
| Cap Colour | Black |



ENVIRONMENTAL/OPERATING SPECIFICATION

| | |
|------------------------------|---|
| Flame Retardancy | UL94-V0 |
| IP Rating | IP40 |
| Operating Temperature | -40°C to 85°C |
| Storage Temperature | 0°C to 60°C |
| Storage RH | Max. 70% r.h |
| Pollution Degree | 1 - 3 acc. to IEC 60664-1 |
| Climatic Category | 40/085/21 acc. to IEC 60068-1 |
| Soldering Methods | Soldering iron |
| Solderability | 350°C/2sec acc. to IEC 60068-2-20, test ta, method 2 |
| Resistance to Soldering Heat | 350°C/10sec acc. to IEC 60068-2-20, test tb, method 2 |
| RoHS | Yes |



CERTIFICATION AND STANDARDS

| | |
|-----------------|----------------------------|
| Approvals - VDE | Certificate Number 134125 |
| Approvals - UL | Certificate Number E239034 |
| Standards - IEC | IEC 60127-6 |
| | IEC 61140 |
| | IEC 60068-1 |
| | IEC 60664-1 |
| | IEC 60068-2-20 |
| Standards - UL | UL4248-1/UL512 |
| Standards - GB | GB9364.6 |



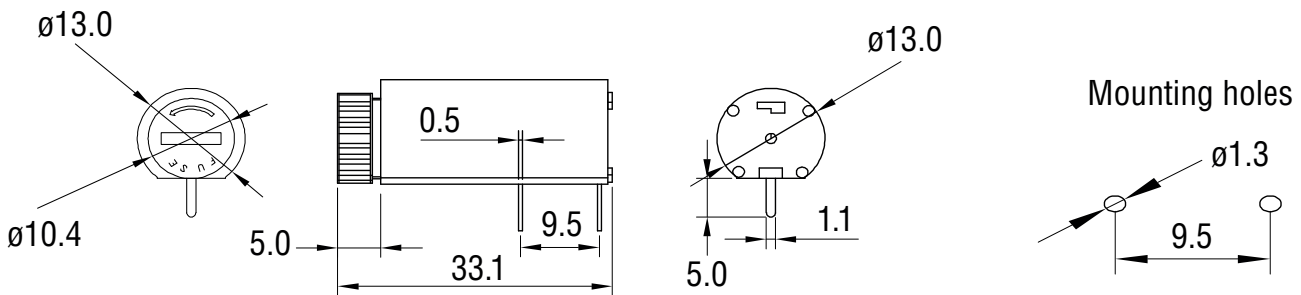
TERMINALS

| | |
|--------------------|-----------------|
| Terminal Type | Solder |
| Terminal Dimension | 5 x 1.1 x 0.5mm |

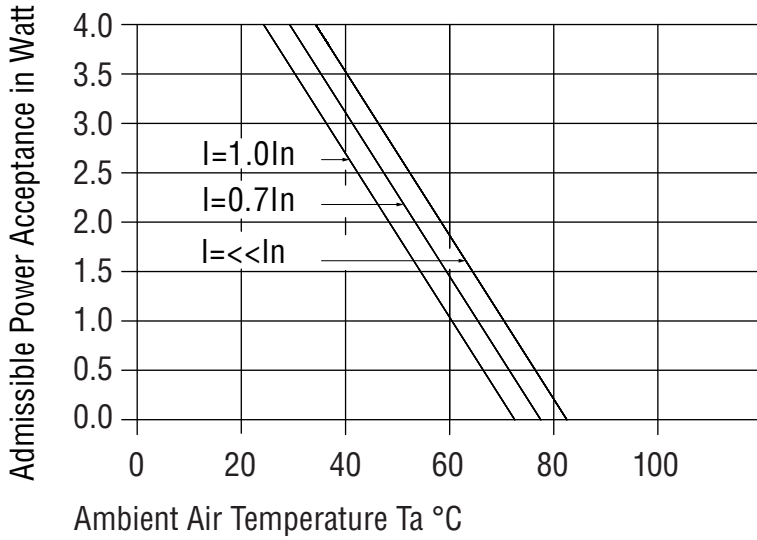


DIMENSIONS/DRAWINGS

| | |
|--|------------------------------|
| Units | mm - unless stated otherwise |
| Dimensions (Summary) | 33.1 x 13mm x 17mm |
| Length | 33.1mm |
| Width | 13mm |
| Height | 17mm |
| Diameter | 13mm |
| Mounting Holes (See drawing) | Pitch 9.5mm ϕ 1.3mm |
| Unit Weight (Socket/Cap if applicable) | 3.21g/2.37g |
| Max PCB Thickness | 3.5mm |
| Max PCB Thickness | 3.5mm |



Derating Curves



OPTIONS (MOQ may apply)

Snap-on head cover



PART NUMBER TABLE

| Part Number Table | UNSPSC | EAN | Country of Origin |
|-------------------|----------|---------------|-------------------|
| 52-2822 | 39121624 | 5053556006397 | China |

R-TECH

Tried & trusted technology

Important Notice: This data sheet and its contents (the "Information") belong to Rapid Electronics Limited or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but Rapid Electronics Limited assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where Rapid Electronics Limited were aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict Rapid Electronics Limited's liability for death or personal injury resulting from its negligence.