

# ANTREX Electronics

Electronic Components Sourcing Information

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## Product Reference Information

**Part Number:** 03450613H  
**Manufacturer:** Littelfuse Inc.  
**Package:** Bulk  
**Availability:** Please confirm with sales

### Product Page:

<https://antrexco.com/product/details/littelfuse-inc/03450613h.html>

### Request a Quote:

[Submit RFQ for this part](#)



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## Contact Information

Email: [info@antrexco.com](mailto:info@antrexco.com)

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

## Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

### Note:

This PDF includes an ANTREX product reference cover page.

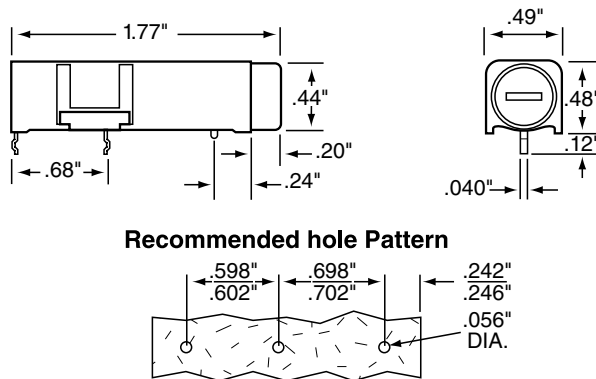
The original manufacturer datasheet follows from the next page.

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## 345 Series Shock Safe Circuit Board Mount Enclosed Fuse Holders



### Dimensions



### Additional Information



Datasheet



Resources



Samples

### Product Characteristics

|                              |                                                                                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Compatible Fuse Types</b> | 3AG<br>3AB<br>5x20mm                                                                                                                                                                                                                                    |
| <b>Description</b>           | Similar to our Shock-Safe panel mount fuseholders, this series is designed per IEC Standards 60127-6. Two different knob styles available are available for use with 3AG and 3AB ( $\frac{1}{4}$ " $\times$ $1\frac{1}{4}$ ") or 5 $\times$ 20mm fuses. |
| <b>Electrical</b>            | Insulation Resistance: 10,000 megohm minimum at 500 VDC. Contact Resistance: Less than .005 ohm average at a current of one ampere.                                                                                                                     |
| <b>Dielectric Strength</b>   | 4000 volts minimum.<br>Mounting: Intended for soldering to printed circuit boards.                                                                                                                                                                      |
| <b>Molded Parts</b>          | Body Material: Black glass-filled thermoplastic (UL 94V0).                                                                                                                                                                                              |
| <b>Knob</b>                  | Screwdriver slot, fuse extractor type with nickel-plated, copper alloy insert. Spring-loaded, bayonet style.<br>Knob Material: Grey or Black glass-filled thermoplastic (UL94 V-0)                                                                      |
| <b>Terminals</b>             | Brass. Tin-plated.                                                                                                                                                                                                                                      |
| <b>Ambient Temperature</b>   | -40°C to +85°C.                                                                                                                                                                                                                                         |

### Agency Approvals

| Agency | Agency File Number |
|--------|--------------------|
|        | E14721             |
|        | 7316               |
|        | 133923             |

\* Please refer to Fuseology section for information on proper fuseholder re-rating.

### Ordering Information

| Catalog Number | Fuse Size                                       |
|----------------|-------------------------------------------------|
| <b>345 101</b> | $\frac{1}{4}$ " $\times$ $1\frac{1}{4}$ " Fuses |
| <b>345 121</b> | 5 $\times$ 20mm Fuses                           |

Body only: 345 101-010

Knob only: 345 101-020 ( $\frac{1}{4}$ "  $\times$   $1\frac{1}{4}$ ") Grey;

345 121-020 (5  $\times$  20mm) Black.

## 345 Series Panel Mount Enclosed Fuse Holders



### Additional Information



Datasheet



Resources



Samples

### Product Characteristics

| Compatible Fuses    | For 3AB/3AG, 5x20mm Fuses                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Designed to eliminate the possibility of electrical shock, as defined in IEC standards 60127-6. The universal fuseholder body will accept 3AB, 3AG, and 5 x 20mm fuse sizes.        |
| Electrical          | Insulation Resistance: 10,000 megohm minimum at 500 VDC. Contact Resistance: Less than .005 ohm average at currents up to 1 ampere. Dielectric Strength: 4,000 volts minimum.       |
| Mounting            | Threaded styles withstand 15 in.-lb. mounting torque. Low profile and High profile panel thickness: .032" min./ .310" max.                                                          |
| Molded Parts        | Body Material: Black glass-filled thermoplastic (UL 94V0).                                                                                                                          |
| Knob Material       | Grey or black glass-filled thermoplastic (UL94 V-0) Hex Nut Material: Black glass-filled thermoplastic.                                                                             |
| Knob                | Fuse Extractor type with plated copper alloy insert. Plated copper alloy contact clips. Spring loaded, locking mechanism provides an anti-tease feature and will not vibrate loose. |
| Terminals           | Plated copper alloy, A-187; dual purpose terminal accepts wire for soldering or a Quick-Connect receptacle.                                                                         |
| Ambient Temperature | -40°C to +85°C.                                                                                                                                                                     |

\* Please refer to Fuseology section for information on proper fuseholder re-rating.

### Agency Approval

| Agency | Agency File Number | 3AG/AB    | 5x20mm    |
|--------|--------------------|-----------|-----------|
|        | E14721             | 20A, 600V | 20A, 600V |
|        | 7316               | 20A, 600V | 20A, 600V |

### Dimensions

#### Low Profile Screwdriver Slot Knob



#### High Profile Screwdriver Slot Knob



#### Low Profile Fingergrip Knob



#### Fast Mount Low Profile Screwdriver Slot Knob



#### Rear Mount Fingergrip Knob



#### Terminal Styles



#### Suggested Mounting Holes



#### Bottom Terminal



#### "Push-On" Type Retaining Nut for Quick Mount Fuseholder



#### Plastic Hex Nut with Flange



### Part Numbering System

| Part Number |           | Knob Type        | Low Profile | High Profile | Front Mount | Rear Mount | Rt. Angle Terminal | Straight Terminal | Packing           |
|-------------|-----------|------------------|-------------|--------------|-------------|------------|--------------------|-------------------|-------------------|
| (3AG/AB)    | 5x20mm    |                  |             |              |             |            |                    |                   |                   |
| 03450601H   | 03450621H | Screwdriver Slot | X           |              | X           |            | X                  |                   | Bulk (100 pieces) |
| 03450602H   | 03450622H | Screwdriver Slot |             | X            | X           |            | X                  |                   | Bulk (100 pieces) |
| 03450603H   | 03450623H | Finger Grip      |             | X            | X           |            | X                  |                   | Bulk (100 pieces) |
| 03450611H   | 03450631H | Screwdriver Slot | X           |              | X           |            |                    | X                 | Bulk (100 pieces) |
| 03450612H   | 03450632H | Screwdriver Slot |             | X            | X           |            |                    | X                 | Bulk (100 pieces) |
| 03450613H   | 03450633H | Finger Grip      |             | X            | X           |            |                    | X                 | Bulk (100 pieces) |
| 03450701H   | —         | Screwdriver Slot | X           |              | X           |            | X                  |                   | Bulk (100 pieces) |
| 03450711H   | —         | Screwdriver Slot | X           |              | X           |            |                    | X                 | Bulk (100 pieces) |
| 03450903H   | 03450923H | Finger Grip      |             | X            |             | X          | X                  |                   | Bulk (100 pieces) |
| 03450913H   | 03450933H | Finger Grip      |             | X            |             | X          |                    | X                 | Bulk (100 pieces) |