

## 345 Series Shock-Safe Panel Mount Enclosed Fuse Holders



### Product Characteristics

| Compatible Fuses           | For 3AG, 5x20mm, or 2AG Fuses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | Designed to eliminate the possibility of electrical shock, as defined in IEC standards 60065 and 60127. The universal fuseholder body will accept 3AG, 5 x 20mm, and 2AG fuse sizes depending on knob selected. Permits inventory reduction of bodies and provides knob interchange versatility. Anti-tease feature eliminates circuit interruption when knob is accidentally depressed. Five fuseholder types assure design flexibility. Available with two knob styles — screwdriver slot or fingergrip. Available in two terminal styles — dual-purpose for soldering or 3/16" NEMA quick connect; and ¼" NEMA/DIN quick connect. Quick fuse size identification is provided with letters on fingergrip knob and color-coded screwdriver slot knobs. |
| <b>Electrical</b>          | Insulation Resistance: 10,000 megohm minimum at 500 VDC. Contact Resistance: Less than .005 ohm average at currents up to 1 ampere.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Mounting</b>            | Threaded styles withstand 15 in.-lb. mounting torque. Low profile and High profile panel thickness: .032" min./ .310" max. Quick mount panel thickness: .012" min./ .360" max. Rear mount panel thickness: .012" min./ .260" max.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molded Parts</b>        | Body Material: Black glass-filled thermoplastic (UL 94V0).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Knob Material</b>       | Grey, blue or black glass-filled thermoplastic (UL94 V-0) Hex Nut Material: Black glass-filled thermoplastic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Knob</b>                | Finger-Grip, Fuse Extractor type or Screwdriver Slot, 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Terminals</b>           | Copper alloy, Tin-plated. Three styles available. A .187" dual purpose terminal accepts wire for soldering or a Quick-Connect receptacle. .187" terminal for NEMA Quick-Connect and .250" terminal for NEMA/DIN Quick-Connect available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Ambient Temperature</b> | -40°C to +85°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Hardware</b>            | Threaded style fuseholders are supplied with a thermoplastic hex nut unassembled. Quick mount style fuseholders are supplied with a push-on type retaining nut, black oxide finish, unassembled. A synthetic rubber "O" ring will be supplied only with the screwdriver slot knob when the drip-proof version is requested. To order with a metal internal tooth lockwasher (L) and/or neoprene panel washer (N) and/or drip-proof synthetic rubber "O" ring with Neoprene washer (NP) [Screwdriver slot knob only], add the appropriate suffix (L, N, or NP) respectively (or in combination) to the catalog number.                                                                                                                                   |

### Agency Approval

| Agency | Agency File Number | 3AG      | 5x20mm   | 2AG      |
|--------|--------------------|----------|----------|----------|
|        | E75961             | 20A 250V | 10A 250V | 10A 250V |
|        | LR91788            | 20A 250V | 10A 250V | 10A 250V |
|        | 116895E            | 10A 250V | 10A 250V | —        |

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

### Additional Information



Datasheet

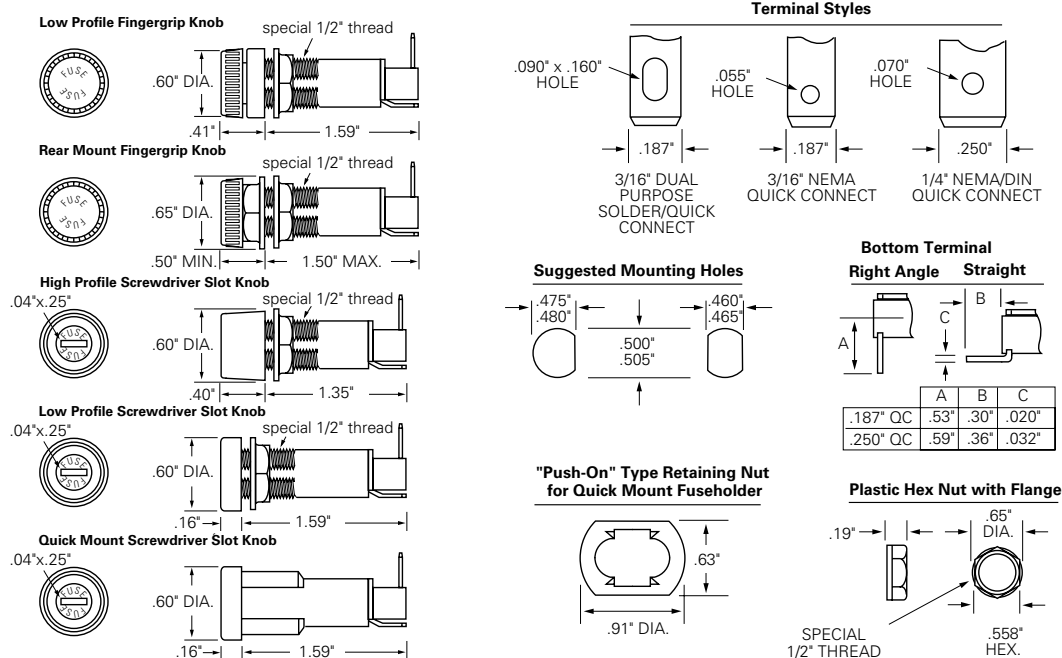


Resources



Samples

### Dimensions



### Part Numbering System

#### EXAMPLE:

(Complete Assembly with Options)

Series Number 345 3 LS 7 L N NP

| Fuse Size                 | Style                                                                                | Terminals                                   | Options*                                      |
|---------------------------|--------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------|
| 2                         | LF                                                                                   | 1                                           | L                                             |
| 2AG<br>.177" x .570"      | Low Profile Body<br>Black Fingergrip Knob                                            | 3/16" (Rt. Angle)<br>Dual Purpose Solder/QC | Lockwasher                                    |
| 3                         | RF                                                                                   | 2                                           | N                                             |
| 3AG<br>.250" x 1.250"     | Rear Mount Body<br>Black Fingergrip Knob                                             | 3/16" (Straight)<br>Dual Purpose Solder/QC  | Neoprene Washer                               |
| 5                         | HS                                                                                   | 3                                           | NP                                            |
| 5 x 20mm<br>.197" x .787" | High Profile Body<br>Screwdriver Slot Knob                                           | 3/16" (Rt. Angle)<br>NEMA QC                | Drip-Proof "O" Ring**<br>with Neoprene Washer |
|                           | LS                                                                                   | 4                                           |                                               |
|                           | Low Profile Body<br>Screwdriver Slot Knob                                            | 3/16" (Straight)<br>NEMA QC                 |                                               |
|                           | QS                                                                                   | 7                                           |                                               |
|                           | Quick Mount Body<br>Screwdriver Slot Knob                                            | 1/4" (Rt. Angle)<br>NEMA/DIN QC             |                                               |
|                           | Screwdriver Slot Knob<br>2AG — Blue Knob<br>3AG — Grey Knob<br>5 x 20mm — Black Knob | 8                                           |                                               |
|                           |                                                                                      | 1/4" (Straight)<br>NEMA/DIN QC              |                                               |

\*Options (L, N, NP) can be ordered individually or in combination.

\*\*Screwdriver slot knob only.

To Order Knob Only:

| Fuse Size | Fingergrip Knob    | Screwdriver Slot Knob |
|-----------|--------------------|-----------------------|
| 2AG       | <b>3452LF1-020</b> | <b>3452LS1-020</b>    |
| 3AG       | <b>3453LF1-020</b> | <b>3453LS1-020</b>    |
| 5 x 20mm  | <b>3455LF1-020</b> | <b>3455LS1-020</b>    |

To Order Body Including Nut(s) Only:

| Terminal Style     | Bottom Terminal | Low Profile Body Part Number*** | High Profile Body Part Number | Rear Mount Body Part Number | Quick Mount Body Part Number |
|--------------------|-----------------|---------------------------------|-------------------------------|-----------------------------|------------------------------|
| 3/16" Dual Purpose | (Rt. Angle)     | <b>3453LF1-010</b>              | <b>3453HS1-010</b>            | <b>3453RF1-010</b>          | <b>3453QS1-010</b>           |
| 3/16" Dual Purpose | (Straight)      | <b>3453LF2-010</b>              | <b>3453HS2-010</b>            | <b>3453RF2-010</b>          | <b>3453QS2-010</b>           |
| 3/16" NEMA QC      | (Rt. Angle)     | <b>3453LF3-010</b>              | <b>3453HS3-010</b>            | <b>3453RF3-010</b>          | <b>3453QS3-010</b>           |
| 3/16" NEMA QC      | (Straight)      | <b>3453LF4-010</b>              | <b>3453HS4-010</b>            | <b>3453RF4-010</b>          | <b>3453QS4-010</b>           |
| 1/4" NEMA/DIN QC   | (Rt. Angle)     | <b>3453LF7-010</b>              | <b>3453HS7-010</b>            | <b>3453RF7-010</b>          | <b>3453QS7-010</b>           |
| 1/4" NEMA/DIN QC   | (Straight)      | <b>3453LF8-010</b>              | <b>3453HS8-010</b>            | <b>3453RF8-010</b>          | <b>3453QS8-010</b>           |

\*\*\*Low Profile Body will accept either Fingergrip or Screwdriver Slot Knob.