

# Fuseholders

For 3AG, 5 x 20mm, or 2AG Fuses

## International Shock-Safe Panel Mount Type



A complete selection of styles and options satisfy a wide variety of fuseholder design needs. 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. Drip-proof option is available on screwdriver slot knob style. Available in two terminal styles — dual-purpose for soldering or 3/16" NEMA quick connect; and 1/4" NEMA/DIN quick connect. Quick fuse size identification is provided with letters on fingergrip knob and color-coded screwdriver slot knobs.

### APPROVALS:

|                                                                                   | 3AG      | 5 x 20mm | 2AG      |
|-----------------------------------------------------------------------------------|----------|----------|----------|
|  | 20A 250V | 10A 250V | 10A 250V |
| CSA                                                                               | 20A 250V | 10A 250V | 10A 250V |
| VDE                                                                               | 10A 250V | 10A 250V | —        |

### SPECIFICATIONS:

**Electrical:** Insulation Resistance: 10,000 megohm minimum at 500 VDC. Contact Resistance: Less than .005 ohm average at currents up to 1 ampere.

**Mounting:** 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.

**Molded Parts:** Body Material: Black glass-filled thermoplastic (UL 94V0).

**Knob Material:** Grey, blue or black glass-filled thermoplastic (UL94 V-0) Hex Nut Material: Black glass-filled thermoplastic.

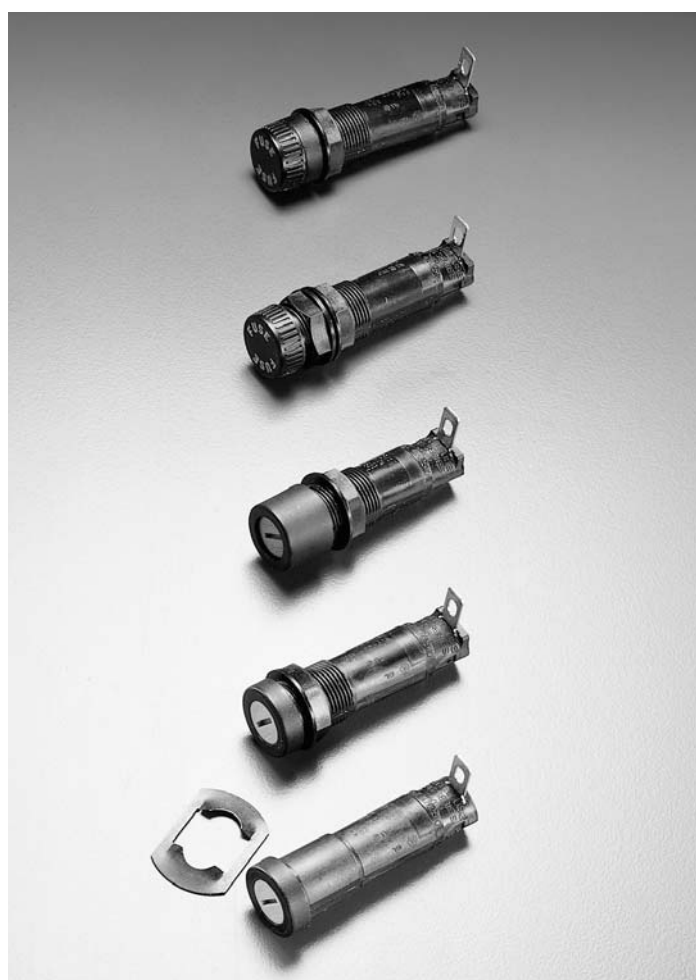
**Knob:** Finger-Grip, Fuse Extractor type or Screwdriver Slot, Fuse Extractor type with plated copper alloy insert. Plated copper alloy contact clips. Spring loaded, locking mechanism provides an anti-tease feature and will not vibrate loose.

**Terminals:** 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.

**Ambient Temperature:** -40°C to +85°C.

**Hardware:** 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.

Example: 3453LS7LNP is a holder supplied with a lockwasher, a neoprene panel washer, and a drip-proof "O" ring in addition to the hex nut.



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

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### ORDERING INFORMATION:

**EXAMPLE (Complete Assembly with options):** 345 3 LS 7 L N NP  
Series Number

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

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

\*\*Screwdriver slot knob only.

#### Note: To Order Knob Only:

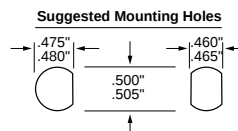
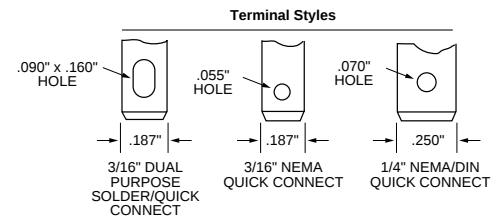
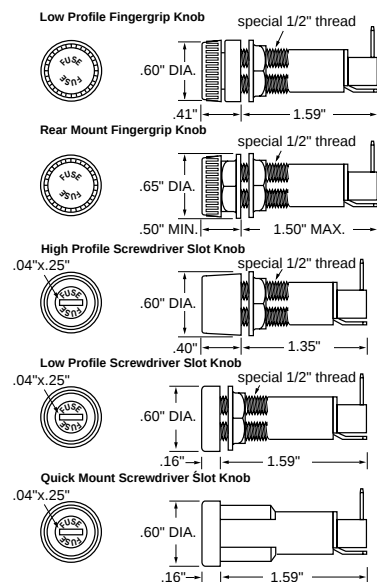
| Fuse Size | Fingergrip Knob Part Number | Screwdriver Slot Knob Part Number |
|-----------|-----------------------------|-----------------------------------|
| 2AG       | 3452LF1-020                 | 3452LS1-020                       |
| 3AG       | 3453LF1-020                 | 3453LS1-020                       |
| 5 x 20mm  | 3455LF1-020                 | 3455LS1-020                       |

#### To Order Body Including Nut(s) Only:

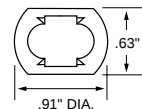
| Terminal Style     | Bottom Terminal | Low Profile Body Part Number*** | High Profile Body Part Number | Rear Mount Body Part Number | Quick Mount Body Part Number |
|--------------------|-----------------|---------------------------------|-------------------------------|-----------------------------|------------------------------|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

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

### DIMENSION DRAWINGS:



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



| Bottom Terminal |  | Right Angle |       |       | Straight |   |   |
|-----------------|--|-------------|-------|-------|----------|---|---|
|                 |  | A           | B     | C     | A        | B | C |
|                 |  | .187\"      | .53\" | .30\" | .020\"   |   |   |
|                 |  | .250\"      | .59\" | .36\" | .032\"   |   |   |

#### Plastic Hex Nut with Flange

