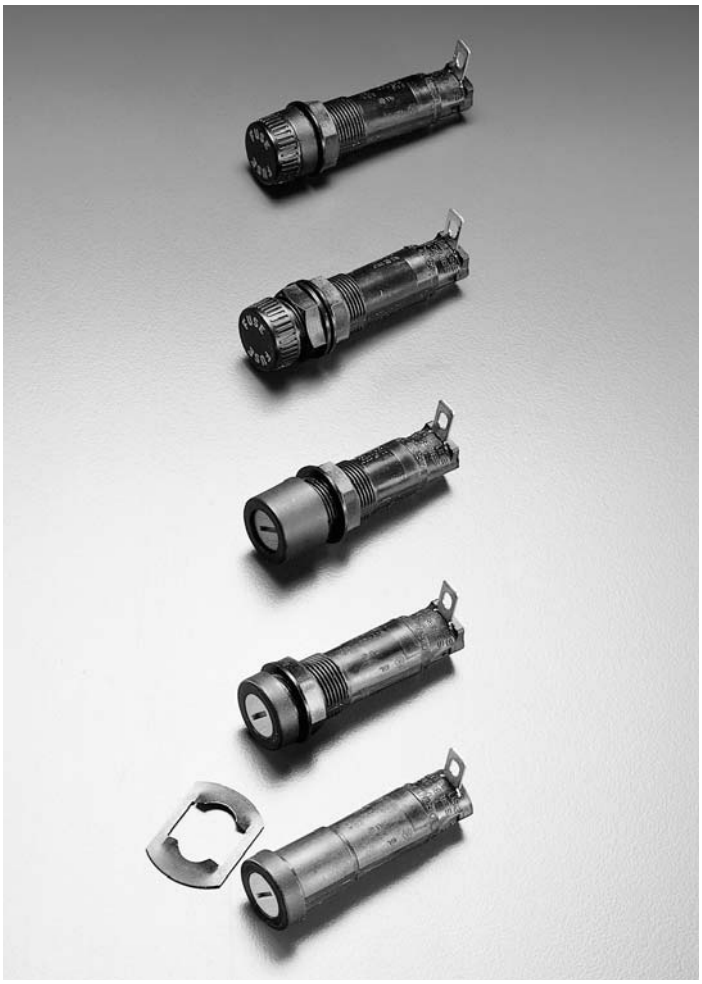
# International Shock-Safe Panel Mount Type

A complete selection of styles and options satisfy a wide variety of fuse-holder 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* |
|---|---|---|---|
| **2**<br>2AG<br>.177" x .570" | **LF**<br>Low Profile Body<br>Black Fingergrip Knob | **1**<br>3/16" (Rt. Angle)<br>Dual Purpose Solder/QC | **L**<br>Lockwasher |
| **3**<br>3AG<br>.250" x 1.250" | **RF**<br>Rear Mount Body<br>Black Fingergrip Knob | **2**<br>3/16" (Straight)<br>Dual Purpose Solder/QC | **N**<br>Neoprene Washer |
| **5**<br>5 x 20mm<br>.197" x .787" | **HS**<br>High Profile Body<br>Screwdriver Slot Knob | **3**<br>3/16" (Rt. Angle)<br>NEMA QC | **NP**<br>Drip-Proof "O" Ring**<br>with Neoprene Washer |
| | **LS**<br>Low Profile Body<br>Screwdriver Slot Knob | **4**<br>3/16" (Straight)<br>NEMA QC | |
| | **QS**<br>Quick Mount Body<br>Screwdriver Slot Knob | **7**<br>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**<br>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:**

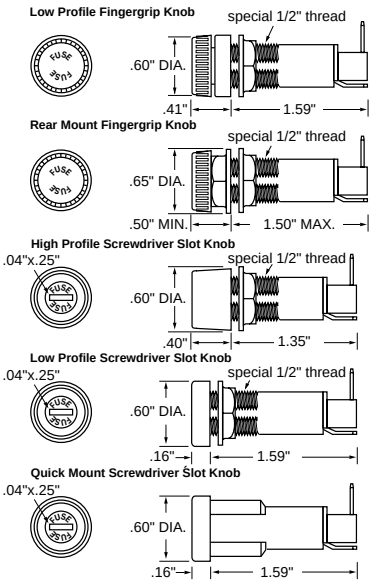
| Fuse Size | Fingergrip Knob Part Number | Screwdriver Slot Knob Part Number |
|---|---|---|
| 2AG | 3452LF1-020 | 3452LS1-020 |
| 3AG | 3453LF1-020 | 3453LS1-020 |
| 5 x 20mm | 3455LF1-020 | 3455LS1-020 |

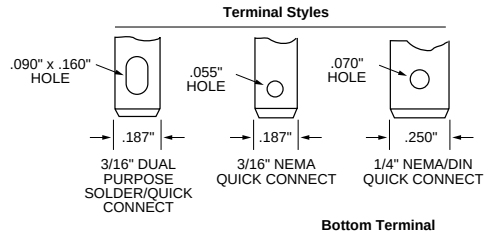
**To Order Body Including Nut(s) Only:**

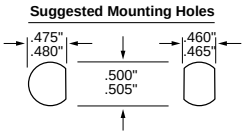
| Terminal Style | Bottom Terminal | Low Profile Body Part Number*** | High Profile Body Part Number | Rear Mount Body Part Number | Quick Mount Body Part Number |
|---|---|---|---|---|---|
| 3/16" Dual Purpose | (Rt. Angle) | 3453LF1-010 | 3453HS1-010 | 3453RF1-010 | 3453QS1-010 |
| 3/16" Dual Purpose | (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 |

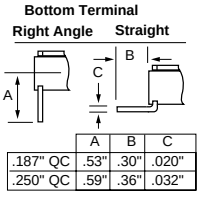
***Low Profile Body will accept either Fingergrip or Screwdriver Slot Knob.

## DIMENSION DRAWINGS:




| | A | B | C |
|---|---|---|---|
| .187" QC | .53" | .30" | .020" |
| .250" QC | .59" | .36" | .032" |

