

345 Series

Shock-Safe Panel Mount Enclosed Fuse Holders



Notes:
 * Pictures taken without fuse installed, level of screwdriver knob will look different, with fuse installed.
 * High profile and low profile body include 1 nut
 * Rear mount body include 2 nuts.
 * Quick connect body include 1 retaining nut.

Product Characteristics

| | |
|----------------------------|--|
| Compatible Fuses | For 3AB, 3AG, 5x20mm, or 2AG 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, 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 1/4" NEMA/DIN quick connect. Quick fuse size identification is provided with letters on fingergrip knob and color-coded screwdriver slot knobs. |
| 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. Accessories can be order by separately. |
| Ingress Protection | IP40 : Protected from solid objects greater than 1 millimeter. Not protected from liquids. IP52: Protected against dust and dripping water when tilted up to 15°. Parts ending with "NP." |

Additional Information



Resources



Accessories



Samples

Agency Approval

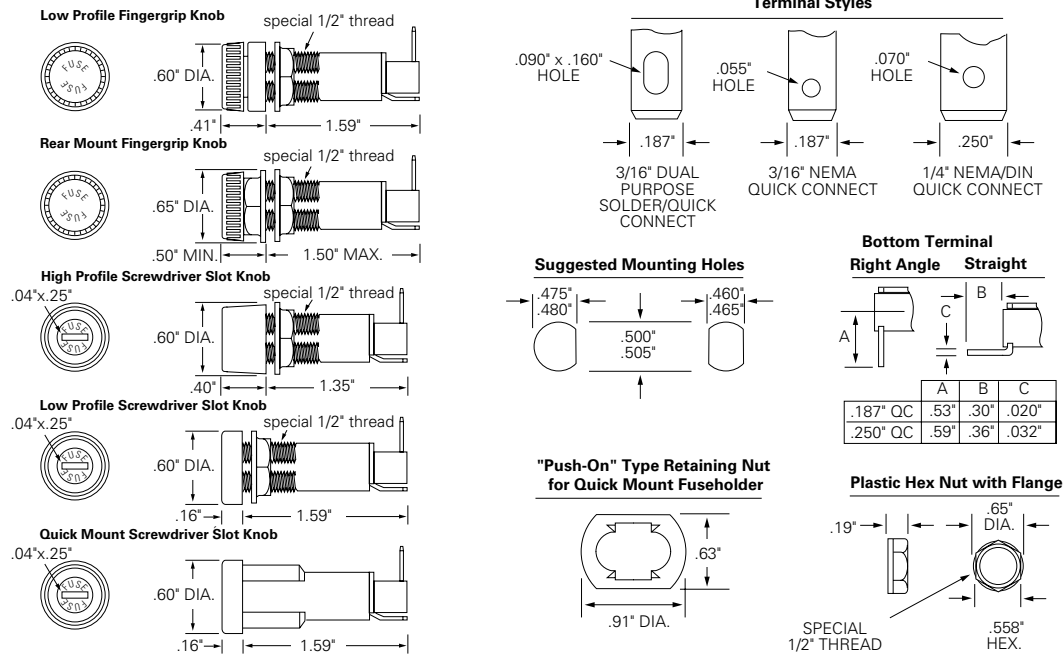
| Agency | Agency File Number | 3AG/AB | 5x20mm | 2AG |
|--------|--------------------|----------|----------|----------|
| | E14721 | 20A 250V | 20A 250V | 10A 250V |
| | 7316 | 20A 250V | 20A 250V | 10A 250V |
| | 40001642 | 10A 250V | 10A 250V | — |

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

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Dimensions



Ordering Part Numbering System to order complete fuse holder (body and knob)

Example 03453LS7HXLNP - A 345 Series fuse holder for 3AG fuses with low profile body and a Screwdriver Slot knob, with 1/4" (Rt. Angle) Nema/Din QC terminals.

0 345 3 LS 7 H X L N P

Series Name ←

| Fuse Size | Style | Terminals | Packing | Accessory* |
|---------------------------|---|---|-----------------------|---|
| 2 | LF | 1 | For 100 Pieces (Bulk) | L |
| 2AG .177" x .570" | Low Profile Body Black Fingerrip Knob | 3/16" (Rt. Angle) Dual Purpose Solder/QC | | Lockwasher |
| 3 | RF | 2 | For 100 Pieces (Bulk) | N |
| 3AG .250" x 1.250" | Rear Mount Body Black Fingerrip Knob | 3/16" (Straight) Dual Purpose Solder/QC | | Neoprene Washer |
| 5 | HS | 3 | For 100 Pieces (Bulk) | P |
| 5 x 20mm .197" x .787" | High Profile Body Screwdriver Slot Knob | 3/16" (Rt. Angle) NEMA QC | | Drip-Proof "O" Ring** with Neoprene Washer |
| | LS | 4 | For 100 Pieces (Bulk) | |
| | Low Profile Body Screwdriver Slot Knob | 3/16" (Straight) NEMA QC | | |
| | QS | 7 | For 100 Pieces (Bulk) | |
| | Quick Mount Body Screwdriver Slot Knob | 1/4" (Rt. Angle) NEMA/DIN QC | | |
| | Quick Mount Body Screwdriver Slot Knob | 8 | For 100 Pieces (Bulk) | |
| | 2AG - Blue Knob 3AG - Grey Knob 5 x 20mm - Black Knob | 1/4" (Straight) NEMA/DIN QC | | |

*Optional (L,N,P) can be ordered individually or in combination
 **Screwdriver slot knob only

Note - If accessory is needed, add the "X" as filler on the ordering part number

345 Series

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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) | 03453LF1ZX010 | 03453HS1ZX010 | 03453RF1ZX010 | 03453QS1ZX010 |
| 3/16" Dual Purpose | (Straight) | 03453LF2ZX010 | 03453HS2ZX010 | 03453RF2ZX010 | 03453QS2ZX010 |
| 3/16" NEMA QC | (Rt. Angle) | 03453LF3ZX010 | 03453HS3ZX010 | 03453RF3ZX010 | 03453QS3ZX010 |
| 3/16" NEMA QC | (Straight) | 03453LF4ZX010 | 03453HS4ZX010 | 03453RF4ZX010 | 03453QS4ZX010 |
| ¼" NEMA/DIN QC | (Rt. Angle) | 03453LF7ZX010 | 03453HS7ZX010 | 03453RF7ZX010 | 03453QS7ZX010 |
| ¼" NEMA/DIN QC | (Straight) | 03453LF8ZX010 | 03453HS8ZX010 | 03453RF8ZX010 | 03453QS8ZX010 |

***Low Profile Body will accept either Fingergrip or Screwdriver Slot Knob.
 Z - 100 pieces (Bulk)
 X - Filler

To Order Knob Only

| Fuse Size | Fingergrip Knob | Screwdriver Slot Knob |
|-----------|-----------------|-----------------------|
| 2AG | 03452LF1HX020 | 03452LS1HX020 |
| 3AG | 03453LF1HX020 | 03453LS1HX020 |
| 5 × 20mm | 03455LF1HX020 | 03455LS1HX020 |

H - 100 Pieces (Bulk)
 X - Filler

To Order Accesories Only

| Accessory | Packaging | Part Number |
|-------------------|-------------------|-------------|
| ACS Rubber Washer | Bulk (100 pieces) | 09010002H |
| ACS Nut | Bulk (100 pieces) | 09030097H |
| ACS Lockwasher | Bulk (100 pieces) | 09050023H |
| ACS O-Ring | Bulk (100 pieces) | 09010134H |

H - 100 Pieces (Bulk)

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