

345 Series Shock-Safe Panel Mount Enclosed Fuse Holders



Product Characteristics

Compatible Fuses	For 3AB, 3AG, 5×20mm, 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 × 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.
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.

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

Additional Information



Datasheet



Resources

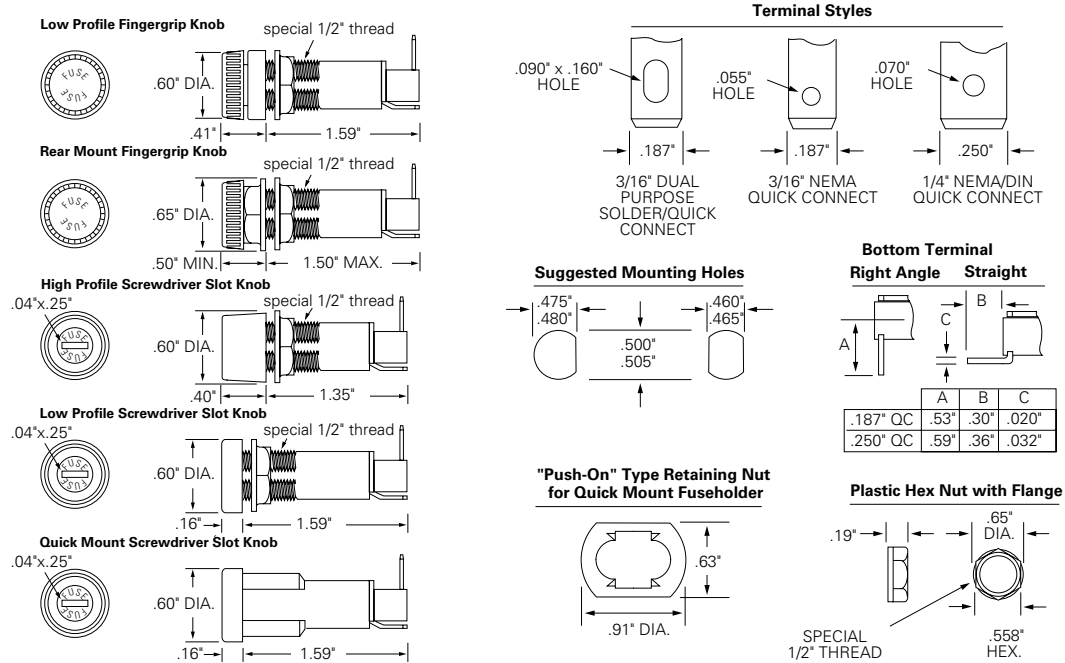


Samples

Agency Approval

Agency	Agency File Number	3AG/AB	5×20mm	2AG
	E14721	20A 250V	20A 250V	10A 250V
	7316	20A 250V	20A 250V	10A 250V
	40001642	10A 250V	10A 250V	—

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.

Series Name ← 0 345 3 LS 7 H X L N P				
Fuse Size	Style	Terminals	Packing	Accessory*
2 2AG .177" x .570"	LF Low Profile Body Black Fingergrasp Knob	1 3/16" (Rt. Angle) Dual Purpose Solder/QC	H For 100 Pieces (Bulk)	L Lockwasher
3 3AG .250" x 1.250"	RF Rear Mount Body Black Fingergrasp Knob	2 3/16" (Straight) Dual Purpose Solder/QC		N Neoprene Washer
5 5 x 20mm .197" x .787"	HS High Profile Body Screwdriver Slot Knob	3 3/16" (Rt. Angle) NEMA QC		P Drip-Proof "O" Ring** with Neoprene Washer
	LS Low Profile Body Screwdriver Slot Knob	4 3/16" (Straight) NEMA QC		
	QS Quick Mount Body Screwdriver Slot Knob	7 1/4" (Rt. Angle) NEMA/DIN QC		
	2AG - Blue Knob	8 1/4" (Straight) NEMA/DIN QC		
	3AG - Grey Knob			
	5 x 20mm - Black Knob			

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

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 Fingergrasp or Screwdriver Slot Knob.
 Z - 100 pieces (Bulk)
 X - Filler

To Order Knob Only

Fuse Size	Fingergrasp 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)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Littelfuse:

[3453LF4-010](#) [03455LS7HXLNP](#) [03455LS8HXLNP](#) [03453LS1HXLNP](#) [03455LF1HXL](#) [03453LF2HX040](#)
[03453LS7HXLNP](#) [03453QS1HX040](#) [03455HS1H](#) [03453HS2ZX010](#) [03453HS2H](#) [03455HS7X](#) [03453LF8HXL](#)
[03453HS1ZX010](#) [03453LF3ZX010](#) [03453LF2H](#) [03453LF3H](#) [03453LS8HXL](#) [03452LF2H](#) [03455RF8X](#) [03453LF8H](#)
[03455LS8H](#) [03453HS1HXLN](#) [03453LS7H](#) [03452LS1HX020](#) [03455RF7H](#) [03453QS8X](#) [03455HS2H](#) [03455RF2H](#)
[03455LS3H](#) [03453LF1H](#) [03453LF4H](#) [03453RF3H](#) [03453LS8X](#) [03453LF1HX020](#) [03453RF2H](#) [03452LF1H](#)
[03453HS1H](#) [03453LF2ZX010](#) [03453HS7H](#) [03453LS2HXNP](#) [03453RF2ZX010](#) [03453LS4H](#) [03453RF7H](#) [03455LF2H](#)
[03453LS3H](#) [03455LS7H](#) [03455LS1HXL](#) [03453LF2HXN](#) [03455LF1HX020](#) [03455LS2H](#) [03453HS3H](#) [03453LS8HXN](#)
[03453RF1ZX010](#) [03455LS4HXL](#) [03455RF3H](#) [03452HS8H](#) [03455LS2HXNP](#) [03455LF8H](#) [03455LF3H](#) [03455LF7H](#)
[03453LF8HXLN](#) [03455RF1H](#) [03453LF1HXN](#) [03452LS2H](#) [03453LS1H](#) [03453LS2HXL](#) [03453RF8H](#) [03455HS4H](#)
[03452LF1HX020](#) [03455LS1HX020](#) [03453LS2H](#) [03455LF4H](#) [03453LF8ZX010](#) [03453LS1HX020](#) [03452LS2X](#)
[03453HS2HXL](#) [03453RF1H](#) [03455HS3H](#) [03455LF1H](#) [03453LF7H](#) [03453LS7HXLN](#) [03453LS8H](#) [03453LF1ZX010](#)
[03455HS8HXNP](#) [03453LF8HAN](#)