

345 Series Shock-Safe Panel Mount Enclosed Fuse Holders



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 fingerrip. 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 fingerrip 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

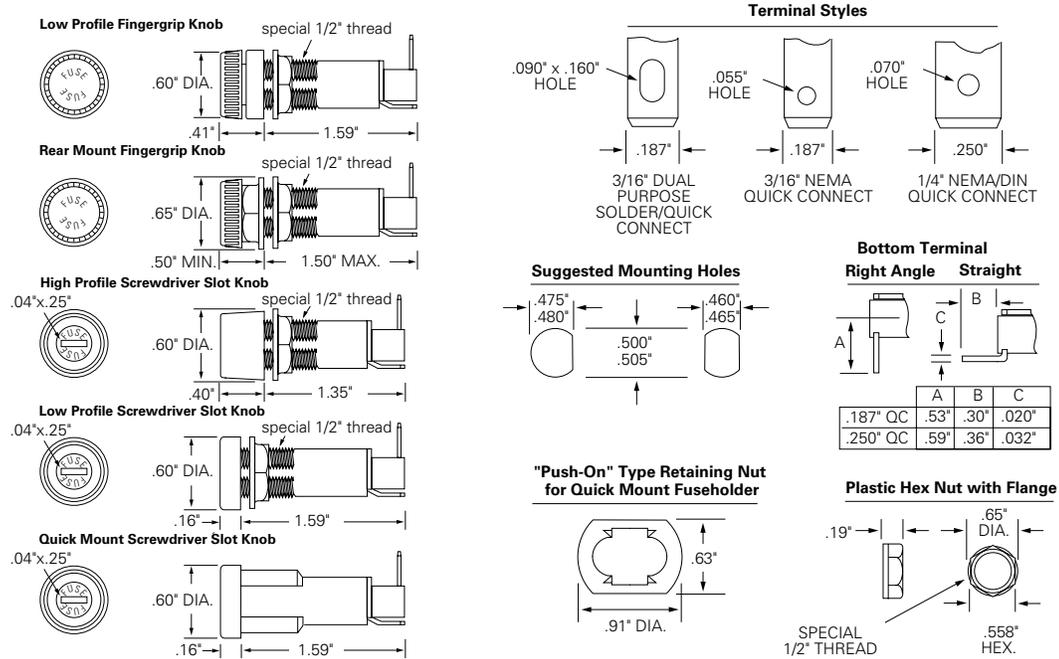


Samples

Agency Approval

Agency	Agency File Number	3AG/AB	5x20mm	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.

0 345 3 LS 7 H X L N P

Series Name ←

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

*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

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](#) [3453HS2-010](#) [3453LF1-020](#) [3453RF1-010](#) [03453LS1HXLNP](#)
[03455LS2HXLNP](#) [03455LF1HXL](#) [03453LF2HX040](#) [03453LS7HXLNP](#) [03453QS1HX040](#) [03453RF1HX040](#)
[03455LF1HXLN](#) [03453LS2HXLN](#) [03452LF8H](#) [03453HS8X](#) [03452HS1H](#) [03452RF8H](#) [03452RF8X](#) [03453HS1X](#)
[03453LF8HXN](#) [03453LS1HXLN](#) [03453QS3H](#) [03455HS1H](#) [03455HS2X](#) [03455RF3X](#) [03452LF3H](#) [03452RF1X](#)
[03453HS2ZX010](#) [03455HS3X](#) [03455LF2X](#) [03455LF3X](#) [03453HS2H](#) [03455HS7X](#) [03455QS8HXL](#) [03453LF1HXLN](#)
[03455LS1HXNP](#) [03452LS3H](#) [03453HS3X](#) [03453LF8HXL](#) [03453QS7ZX010](#) [03453RF1HXL](#) [03453RF2HXN](#)
[03452LF7H](#) [03452LF8X](#) [03453HS1ZX010](#) [03453LF3ZX010](#) [03453LS3X](#) [03455LS3X](#) [03453LF2H](#) [03453LF3H](#)
[03453LS8HXL](#) [03455QS8X](#) [03452LF2H](#) [03452QS1H](#) [03452QS8H](#) [03453HS4X](#) [03453LS1X](#) [03455LS8X](#)
[03455QS8H](#) [03455RF8X](#) [03453RF8HXN](#) [03452HS3X](#) [03453LS8HXP](#) [03453LF8H](#) [03455LS7X](#) [03453LF3HXLN](#)
[03455LS8H](#) [03455QS4H](#) [03452QS4H](#) [03453HS1HXLN](#) [03453LS7H](#) [03455LF1X](#) [03452LS1HX020](#) [03453LS3HXLN](#)
[03453QS1X](#) [03453RF2X](#) [03452RF3X](#) [03453QS8ZX010](#) [03455LF8X](#) [03455RF7H](#) [03455RF7X](#) [03452HS4X](#)
[03452LF1X](#) [03453QS8X](#) [03455HS2H](#) [03455RF2H](#) [03452HS7H](#) [03452LS4H](#) [03452RF7H](#) [03453HS3ZX010](#)
[03455LS3H](#) [03455QS1X](#) [03452QS8X](#) [03452RF2X](#) [03452RF7X](#) [03453LF1H](#) [03453LF4H](#) [03453QS8HXL](#)