








Fuseholders

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Fuseholders

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

RoHS **PD** **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 fingertip. 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 fingertip knob and color-coded screwdriver slot knobs.

APPROVALS:

	3AG	5 x 20mm	2AG
UL	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 (UL 94V0) Hex Nut Material: Black glass-filled thermoplastic.

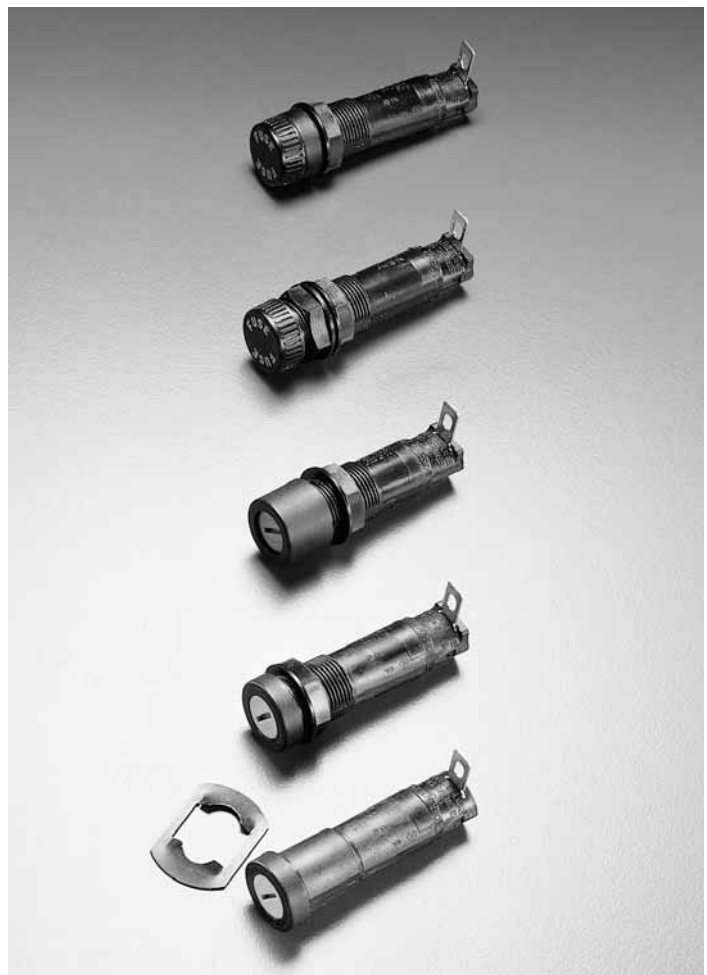
Knob: Finger-Grip, Fuse Extractor type or Screwdriver Slot, Fuse Extractor type with plated copper alloy insert. Plated copper alloy contact clips. Spring loaded, locking mechanism provides an anti-tease feature and will not vibrate loose.

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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FUSEHOLDERS

Fuseholders

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

RoHS **PD** **International Shock-Safe** Panel Mount Type



ORDERING INFORMATION:

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

Fuse Size	Style	Terminals	Options*
2 2AG .177" x .570"	LF Low Profile Body Black Fingergrip Knob	1 3/16" (Rt. Angle) Dual Purpose Solder/QC	L Lockwasher
3 3AG .250" x 1.250"	RF Rear Mount Body Black Fingergrip 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	NP 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	
	Screwdriver Slot Knob 2AG — Blue Knob 3AG — Grey Knob 5 x 20mm — Black Knob	8 1/4" (Straight) NEMA/DIN QC	

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

**Screwdriver slot knob only.

Note: To Order Knob Only:

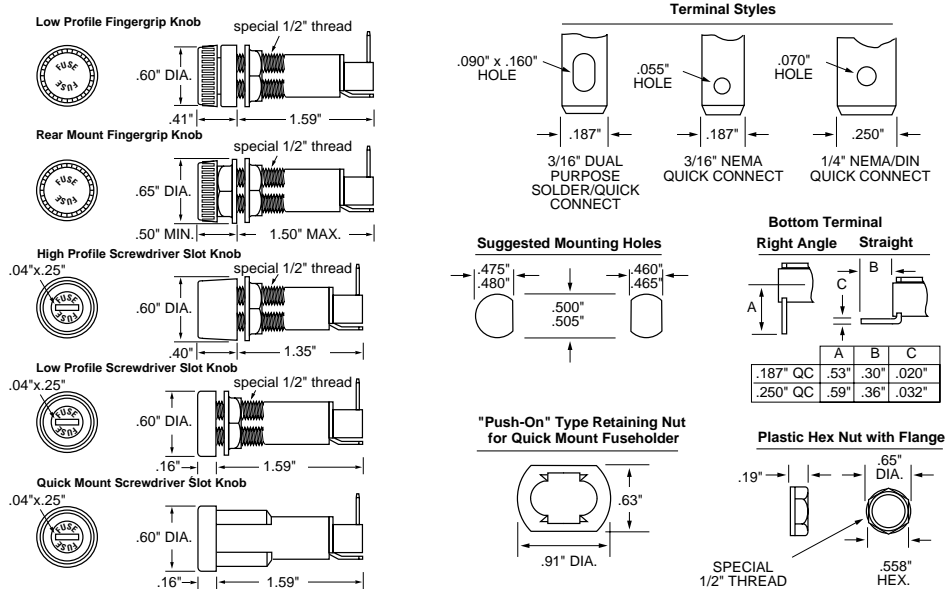
Fuse Size	Fingergrip Knob Part Number	Screwdriver Slot Knob Part Number
2AG	3452LF1-020	3452LS1-020
3AG	3453LF1-020	3453LS1-020
5 x 20mm	3455LF1-020	3455LS1-020

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:



Fuseholders

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

RoHS **Flip-Top Shock-Safe** Panel Mount Type



Shock-Safe design eliminates any possibility of electrical shock, per IEC Standards 60127 and 60065. Fuse carrier holds spare fuse for fast, easy fuse replacement and convenient servicing. Low profile design complements modern panels.

APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

SPECIFICATIONS:

Electrical: Rating: See TABLE.

Insulation Resistance: 10,000 megohm minimum at 500 VDC.

Contact Resistance: Less than 0.01 ohm.

Mounting: Snap-in mounting. No hardware required. Panel thickness range: .032" through .125".

Molded Parts: Thermoplastic (UL 94V0) black standard (other colors available as special).

Fuse Carrier: Spring-loaded. Unlocks with a press of the finger. Locks into place to prevent accidental circuit interruption. Permanently attached to fuseholder body to prevent loss. Extracts fuse from live terminals. Holds spare fuse.

Terminals: Copper alloy, tin plate. Accepts quick-connect or solder.

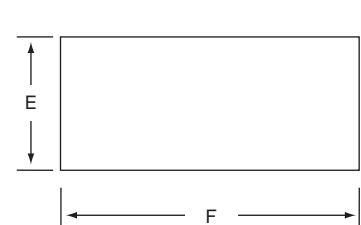
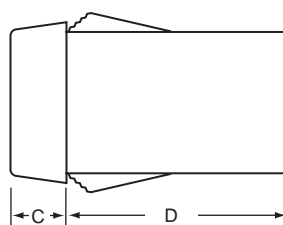
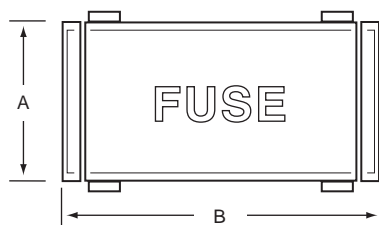
Ambient Temperature: -40°C to +85°C.

Vibration: 10-55-10 Hz at .06" double amplitude (Method 201, MIL-STD-202).

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

ORDERING INFORMATION:

Catalog Number	Fuse Size	Q.C. Terminals	Max. Amps At 250V.	A	B	C	D	E +.005"/-.000"	F +.005"/-.000"
346 877	3AG	.250" x .032" .072" Dia. Hole	15	.75"	1.5"	.27"	1.04"	.688"	1.445"
286 677	5 x 20mm	.187" x .032" .055" Dia. Hole	10	.70"	1.03"	.26"	.94"	.625"	.953"
286 377	2AG	.110" x .020" .048" Dia. Hole	10	.61"	.85"	.20"	.87"	.550"	.775"



Fuseholders

For 2AG Fuses

RoHS **Pb** **Shock-Safe** Panel Mount Type



Newest and smallest of the 2AG fuseholder family. Popular screwdriver slot knob style provides low profile which complements modern panels. Shock-Safe design eliminates any possibility of electrical shock, per IEC Standards 60127 and 60065.

APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

SPECIFICATIONS:

Electrical: Rated at 10 amperes for any voltage up to 300 volts. Insulation Resistance: 10,000 megohm minimum at 500 VDC. Contact Resistance: Less than .005 ohm average at currents up to 1 ampere.

Dielectric Strength: 4000 volts terminal to panel, 3000 volts terminal to terminal.

Mounting: Withstands 10 lb.-in. mounting torque. Maximum panel thickness is .250".

Molded Parts: Body, knob, and hex nut material: Black, glass reinforced thermoplastic.

Knob: Screwdriver slot, fuse extractor type with nickel-plated, beryllium copper insert. Stainless steel spring.

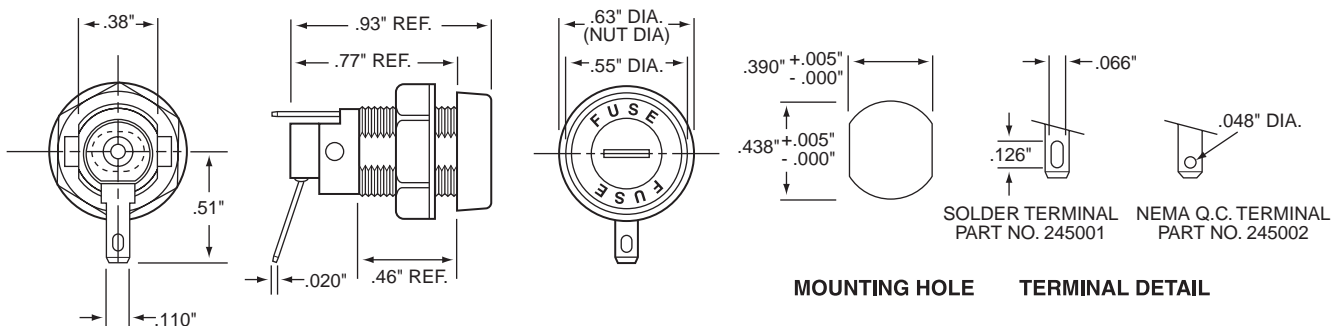
Terminals: Brass. Tin-plated. Solder/Q.C. Terminals accept soldered wire or a .110" quick-connect receptacle. The NEMA-style .110" Q.C. terminal has a .048" hole.

Ambient Temperature: -40°C to +85°C.

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

ORDERING INFORMATION:

Catalog Number	Type of Terminal
245 001	Solder/Q.C. Terminal
245 002	NEMA Q.C. Terminal



Fuseholders

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

RoHS Shock-Safe for 3AG or 5x20mm Fuses PC Board Type



Similar to Shock-Safe fuseholders shown on preceding page, but designed for P.C. board mounting. Shock-Safe design per IEC Standards 60127 and 60065. Two different knob styles available for use with 3AG (1/4" x 11/4") or 5 x 20mm fuses.

APPROVALS: Recognized under the Components Program of Underwriters Laboratories (16A, 250V).
 Certified by CSA (15A, 250V).
 VDE approved (10A, 250V).

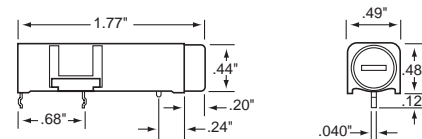
SPECIFICATIONS:

- Electrical:** Rating: See APPROVALS.
- Insulation Resistance:** 10,000 megohm minimum at 500 VDC.
- Contact Resistance:** Less than .005 ohm average at a current of one ampere.
- Dielectric Strength:** 4000 volts minimum.
- Mounting:** Intended for soldering to printed circuit boards.
- Molded Parts:** Body Material: Black glass-filled thermoplastic (UL 94V0).
- Knob:** Screwdriver slot, fuse extractor type with nickel-plated, copper alloy insert. Spring-loaded, bayonet style.
- Knob Material:** Grey or Black glass-filled thermoplastic (UL 94V0).
- Terminals:** Brass. Tin-plated.
- Ambient Temperature:** -40°C to +85°C.

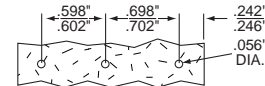
* Please refer to Fuseology section for information on proper fuseholder de-rating.



Reference Dimensions



Recommended hole Pattern



ORDERING INFORMATION:

Catalog Number	Fuse Size
345 101	1/4" x 1 1/4" Fuses
345 121	5 x 20mm Fuses

Body only: 345 101-010
 Knob only: 345 101-020 (1/4" x 1 1/4") Grey;
 345 121-020 (5 x 20mm) Black.

RoHS For Midget Fuses Panel Mount Type



Two panel mount fuseholder designs are available for supplementary or Class CC branch circuit protection. Class CC fuses have a rejection feature on one end cap which mates with the rejection feature of Littelfuse Class CC fuse blocks and fuseholders to prevent the installation of fuses with lower voltage ratings or interrupting ratings.

APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

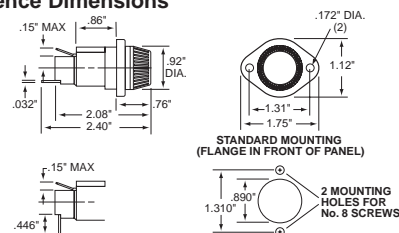
SPECIFICATIONS:

- Electrical:** Rated at 30 amperes for any voltage up to 600 volts.
- Dielectric Strength:** 4000 volts minimum.
- Mounting:** Flange mounting either in front of or behind panel. Watertight version must be front panel mounted. Maximum panel thickness is .75".
- Molded Parts:** Black thermoplastic (UL 94V0).
- Knob:** Screw type, with engraved markings: unfilled characters (571 007, 571 008, 571 007P, 571 008P), light blue characters (571 027, 571 028, 571 027P, 571 028P).
- Terminals:** Brass. Tin-plated. Combination solder and 1/4" Quick-Connect. Side terminal has .125" diameter hole. Bottom terminal has .156" x .124" elongated hole.
- Ambient Temperature:** -40°C to +85°C.
- Hardware:** 571 007, 571 008, 571 027, 571 028, 571 OCC, and 571 RCC, none; 571 007P, 571 008P, 571 027P, 571 028P, 571 OCCP, and 571 RCCP, two O-rings for watertight seal per MIL-PRF-19207.

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



Reference Dimensions



ORDERING INFORMATION:

Catalog Number		Bottom Terminal	Fuse Length Range*
Standard	Watertight		
571 027	571 027P	Straight Rt. Angle	1 5/16" - 1 3/8"
571 028	571 028P		
571 007	571 007P	Straight Rt. Angle	1 13/32" - 1 1/2"
571 008	571 008P		
571 OCC	571 OCCP	Straight Rt. Angle	1 1/2"
571 RCC	571 RCCP		

*Fuse diameter is 19/32".

Fuseholders

For 3AG Fuses

RoHS **Low Profile** Snap Mount Type



APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

SPECIFICATIONS:

Electrical: 348 Series: Rated at 15 amps for any voltage up to 250 volts.

344 Series: Rated at 15 amps at lamp voltage shown below.

Dielectric Strength: 1500 volts minimum.

When designing indicating type fuseholders into a circuit, consideration should be given to the resistance of fractional amperage fuses and the parallel resistance of the indicator lamp and its resistor.

Mounting: Panel thickness range: .031" through .125".

Molded Parts: Black thermoplastic body (UL 94V0). Thermoplastic bezel, cap and lens (UL94V2). See tables below for colors.

Terminals: Brass. Tin-plated.

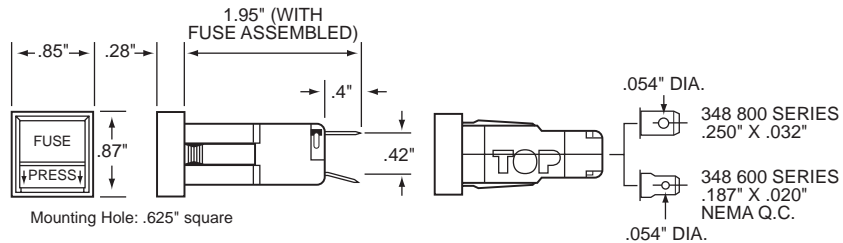
Ambient Temperature:

Non-indicating: -40°C to +85°C.

Indicating: -40°C to +60°C.

Fuse Installation: Insert a fuse into the cap and push the assembly into the body until it latches. Press in and down to unlatch for removal.

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



ORDERING INFORMATION:

Six-Digit Catalog Numbers Consist of:

Series Number	Terminal Style	Bezel Color	Cap Color
348 for 3AG Fuses	6 for 3/16" wide NEMA Q.C. Terminal 8 for 1/4" wide	7 for Black	1 for Red 7 for Black

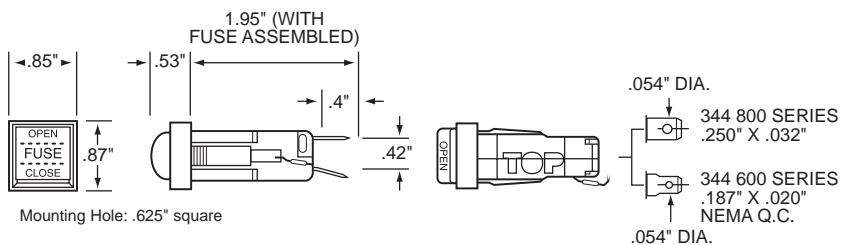
Example: **3 4 8 6 1 1**

Blown-Fuse

Indicating Snap Mount Type



APPROVALS AND SPECIFICATIONS: See above.



ORDERING INFORMATION:

Catalog Number		Lamp Type	Lamp Voltage	Lamp Current	Resistor	Lens Color
3/16" Q.C. Terminals	1/4" Q.C. Terminals					
344 601	344 801	Incandescent	6	40 ma	No	Amber
344 602	344 802	Incandescent	14	80 ma	No	Amber
344 603	344 803	Incandescent	28	40 ma	No	Amber
344 604	344 804	Neon	120	1.2 ma	Yes	Clear
344 605	344 805	Neon	240	.3 ma	Yes	Clear

Standard body and bezel color is black; other bezel colors available on special order.

Fuseholders

For Micro™ Fuse Plug-In Fuses

RoHS **RF-Shielded** Front Panel Mount Type/Rear Panel Mount Type

Space Saving. RF-shielded design holds miniature MICRO™ fuse. Screw-on drip-proof knob construction permits use when presence of moisture exists at front of panels.

SPECIFICATIONS:

Electrical: Rated at 5 amperes for any voltage up to 125 volts.

Mounting: Front panel mount, maximum panel thickness: .093". Rear panel mount, maximum panel thickness: .125".

Molded Parts: Black thermoset.

Housing, Knob and Nut: Aluminum, untreated.

Mounting Gasket: Neoprene or conductive silicone.

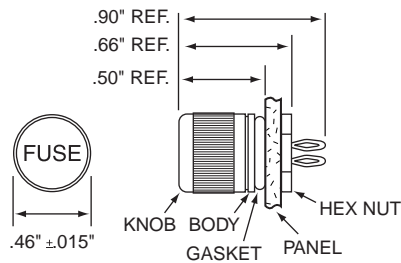
Seal: Buna "N" O-ring inside the knob.

Terminals: Beryllium copper. Silver plated.

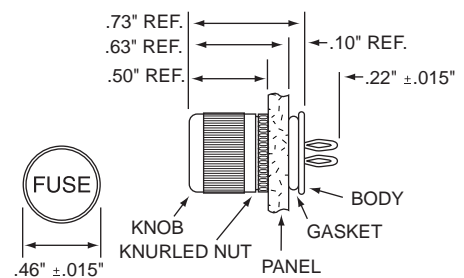
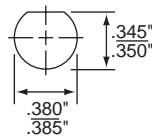
Ambient Temperature: -40°C to +125°C.

Hardware: Hex nut or knurled nut as shown, unassembled.

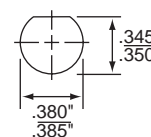
* Please refer to Fuseology section for information on proper fuseholder de-rating.



Mounting Hole



Mounting Hole



ORDERING INFORMATION:

Catalog Number	Gasket Type
282 001	Neoprene
282 007	Conductive

ORDERING INFORMATION:

Catalog Number	Gasket Type
282 002	Neoprene
282 008	Conductive

Fuseholders

For 3AG Fuses

RoHS **PD** **Traditional** Panel Mount Type

UL **SP** **QPL**

APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

SPECIFICATIONS:

Electrical: Rated at 20 amperes for any voltage up to 250 volts.

Dielectric Strength: 2400 volts minimum.

Mounting: Withstands 15 lb.-in. mounting torque; maximum panel thickness: .187".

Molded Parts: Black thermoplastic (UL 94V0).

Knob: Bayonet style with lettering.

Terminals: Copper & copper alloy. Tin plated, except 1/4" Quick-Connect terminals are nickel plated.

Ambient Temperature: -40°C to +85°C.

FUSEHOLDERS TO MIL SPEC:¹ See Military Section.

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

342 000 Series



Knurled knob shown. Fluted knob also available. See table below.

ORDERING INFORMATION:

Catalog Number		Type of Terminal
Fluted Knob	Knurled Knob	
342 014	342 012	Solder
342 038	342 058	3/16" Q.C.
342 838	342 858	1/4" Q.C.

Straight Bottom Terminal



342 000 Series



Fluted knob shown. Knurled knob also available. See table below.

ORDERING INFORMATION:

Catalog Number		Type of Terminal
Fluted Knob	Knurled Knob	
342 004	342 022	Solder
342 028	342 048	3/16" Q.C.
342 828	342 848	1/4" Q.C.

Right Angle Terminal



Fuseholders

For 3AG Fuses

Blown-Fuse Indicating Panel Mount Type



APPROVALS: Recognized under the Components Program of Underwriters Laboratories and Certified by CSA.

SPECIFICATIONS:

Electrical: Rated at 20 amperes at lamp voltage shown below. Dielectric withstanding voltage exceeds 1500 volts. All fuseholders are supplied with a resistor. When designing indicating type fuseholders into a circuit, consideration should be given to the resistance of fractional ampere fuses and the parallel resistance of the indicator lamp and 7its resistor.

Mounting: Withstands 15 lb.-in. mounting torque. Maximum panel thickness is .250".

Molded Parts: Black Thermoplastic (UL 94V0), except lens is thermoplastic (UL 94V2). See Table below for lens color.

Knob: Bayonet style.

Terminals: Copper & copper alloy. Tin plated.

Ambient Temperature: -40°C to +85°C.

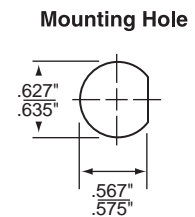
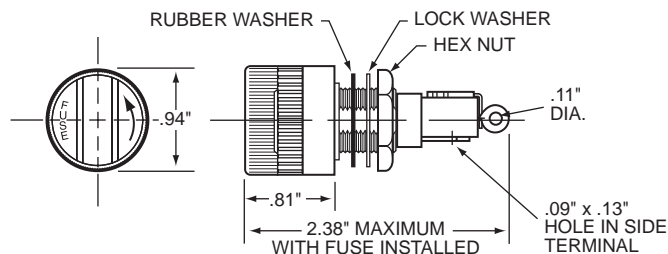
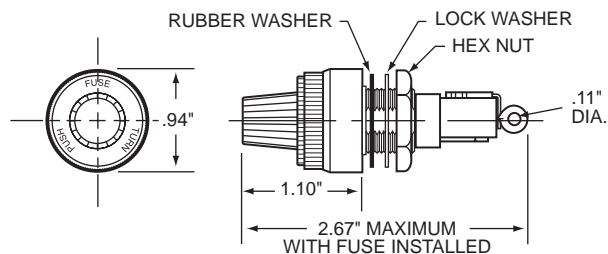
Hardware: Neoprene washer, lockwasher & hex nut unassembled.

FUSEHOLDERS TO MIL SPEC: See Military Section.

ORDERING INFORMATION:

Catalog Number		Voltage Range	Lamp Type	Lamp Current Rating	Lens Color
344 000 Series (Bar Knob)	344 400 Series (Round Knob)				
344 006	344 401	2.5 to 7	6V Incandescent	.20 amp	Amber
344 012	344 402	7 to 16	14V Incandescent	.08 amp	Amber
344 024	344 403	16 to 32	28V Incandescent	.04 amp	Amber
344 125	344 404	100 to 125	Neon	.002 amp	Clear
344 250	344 405	200 to 250	Neon	.002 amp	Clear

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



Fuseholders

For 3AG Fuses

Watertight Panel Mount Type

QPL

APPROVALS: Recognized under the Components Program of Underwriters Laboratories.

SPECIFICATIONS:

Electrical: Rated at 20 amperes for any voltage up to 250 volts.

Dielectric Strength: 1500 volts minimum.

Mounting: Withstands 15 lb.-in. mounting torque; maximum panel thickness is .250".

Molded Parts: Black thermoset (UL 94V0).

Knob: Screw type.

Seal: O-ring provides a watertight seal on the front side of the panel per MIL-PRF-19207.

Terminals: Copper & copper alloy. Tin plated. Solder type.

Ambient Temperature: -40°C to +85°C.

Hardware: O-rings (2) and hex nut, unassembled.

FUSEHOLDERS TO MIL SPEC: See Military Section.

ORDERING INFORMATION:

Catalog Number: 342 006



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

RF Shielded/Watertight Panel Mount Type

QPL

Radio frequency shielded fuseholders eliminate possible transmission or reception of RF signals through the hole in the chassis in which the fuseholder is mounted. These fuseholders comply with the watertight construction requirement of MIL-PRF-19207 and the Shock-Safe requirements of IEC 60065 and 60127-6. A rubber O-ring and conductive gasket maintain RF shielding and watertight construction.

SPECIFICATIONS: The basic fuseholder used is the 345 603 Shock-Safe holder.

ORDERING INFORMATION:

Catalog Number	Brass Shielding Cap Finish
340 312	Nickel plated
340 313	Dull Black



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

Fuseholders

For Micro™ Fuse or Pico® II Fuses

RoHS "Push-On" Retaining Nut Chassis Mount Type

QPL

Fuseholder will accept Littelfuse MICRO™ fuses and PICO® II fuses (rated to 5 amperes) with .025" diameter leads.

SPECIFICATIONS:

Electrical: Rated at 5 amperes for any voltage up to 125 volts.

Mounting: Maximum panel thickness is .09".

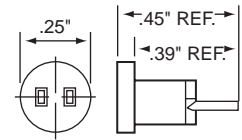
Molded Parts: Black Thermoset.

Terminals: Beryllium Copper, Silver-plated.

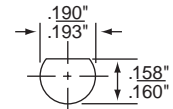
Ambient Temperature: -40°C to +125°C.

Hardware: "Push-On" retaining nut.

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



MOUNTING HOLE



FOR MICRO™ FUSE OR PICO® II FUSES

RoHS Vertical/Horizontal P.C. Board Mount Type

Fuseholder will accept Littelfuse MICRO™ fuses and PICO® II fuses (rated to 5 amperes) with .025" diameter leads.

SPECIFICATIONS:

Electrical: Rated at 5 amperes for any voltage up to 125 volts.

Molded Parts: White Thermoplastic.

Terminals: Copper Alloy.

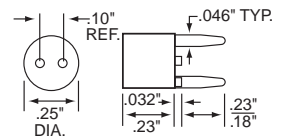
Ambient Temperature: -40°C to +100°C.

ORDERING INFORMATION:

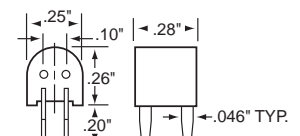
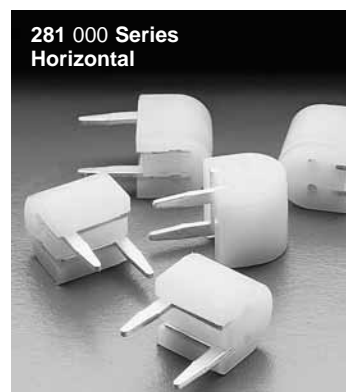
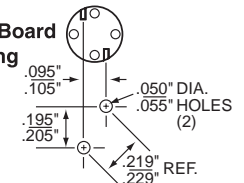
Catalog Number	Terminal Plating	Mounting
281 005	Silver ¹	Vertical
281 008	Tin	Vertical
281 007	Silver ¹	Horizontal
281 010	Tin	Horizontal

¹UL Recognized.

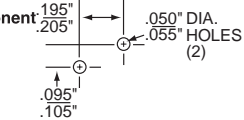
* Please refer to Fuseology section for information on proper fuseholder de-rating.



Circuit Board Mounting Detail



Circuit Board Mounting Detail (Component Side)



RoHS For LT-5™ and TRS® Fuses P.C. Board Mount Type

Fuse holder will accept Littelfuse LT-5™ and TRS® fuses up to 5 amperes.

SPECIFICATIONS:

Electrical: Rated at 5 amperes for any voltage up to 250 volts.

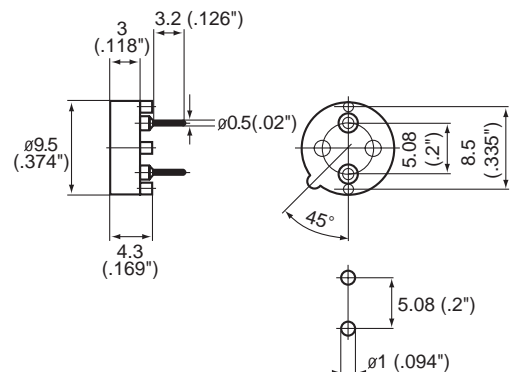
Molded Parts: Black Thermoplastic (UL 94VO).

Terminals: Tin-plated brass, gold inside.

ORDERING INFORMATION:

Catalog Number: 02800050

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



Fuseholders

For Low Voltage 3AG or SFE Fuse Applications

RoHS Twist-Lock In-Line Type

SPECIFICATIONS:

Electrical: Intended for use at 32 volts or less with fuses rated up to 20 amperes when the proper spring is installed for fuse size.

Molded Parts: Black Thermoplastic (UL 94V2). Body halves have a .14" diameter hole for insulated wire.

Ambient Temperature: -40°C to +75°C.

Contact Rivet: Brass. Tin finish. Designed to accommodate #14 AWG stranded wire.

Assembled: Includes fuse listed and 19" loop of #14 AWG red vinyl insulated wire.

Unassembled: For assembly to #14 AWG wire.

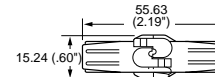
OPTIONS:

150 215 is similar to 155 120A except no fuse is supplied. It is intended for use with 3AG fuses rated up to 20 amperes.

UNIVERSAL IN-LINE FUSEHOLDER 155 100:

Supplied with 8" loop of #14 AWG red vinyl insulated wire and two springs in different lengths to accommodate SFE sized fuses.

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



ORDERING INFORMATION:

Unassembled		Assembled	
Catalog Number	For Fuse Size	Catalog Number	Fuse Installed
155 104U	1/4" x 5/8"	155 104A	SFE 4
155 106U	1/4" x 3/4"	155 106A	SFE 6
155 17.5U	1/4" x 7/8"	155 17.5A	SFE 7 1/2
155 109U	1/4" x 7/8"	155 109A	SFE 9
155 114U	1/4" x 1 1/16"	155 114A	SFE 14
155 120U	1/4" x 1 1/4"	155 120A	SFE 20

RoHS Heavy-Duty Bayonet Knob In-Line Type

SPECIFICATIONS:

Electrical: Intended for use at 32 volts or less with fuses rated up to 20 amperes when the proper spring is installed for full size.

Molded Parts: Body and knob are Black Thermoset (UL 94V0). Both body and knob have a .20" diameter hole for insulated wire.

Knob: Bayonet-lock type metal insert.

Ambient Temperature: -40°C to +125°C.

Contact Rivet: Brass. Tin plated. Designed to accommodate #14 AWG stranded wire.

Assembled: Includes fuse listed and 19" loop of #14 AWG red vinyl insulated wire.

Unassembled: For assembly to #14 AWG wire.

OPTIONS:

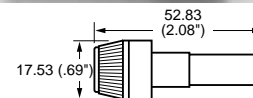
150 079 is similar to 155 020A except no fuse is supplied. It is intended for use with 3AG fuses rated up to 20 amperes.

UNIVERSAL IN-LINE FUSEHOLDER 150 145:

Supplied with 15" loop of #14 AWG red vinyl insulated wire and three springs in different lengths to accommodate SFE sized fuses.

Fuseholders with other wire sizes or lengths available on special order.

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



ORDERING INFORMATION:

Unassembled		Assembled	
Catalog Number	For Fuse Size	Catalog Number	Fuse Installed
155 004U	1/4" x 5/8"	155 004A	SFE 4
155 006U	1/4" x 3/4"	155 006A	SFE 6
155 07.5U	1/4" x 7/8"	155 07.5A	SFE 7 1/2
155 009U	1/4" x 7/8"	155 009A	SFE 9
155 014U	1/4" x 1 1/16"	155 014A	SFE 14
155 020U	1/4" x 1 1/4"	155 020A	SFE 20

RoHS 2AG or 5 x 20mm Inline Fuseholders

SPECIFICATIONS:

Electrical: This fuseholder, part number 150274, is intended for use with 2AG and 5 x 20mm fuses. Maximum current ratings are 5 amperes at 32V for the 2AG size fuses and 10 amperes at 32V for the 5 x 20mm size fuses.

Body: Black Thermoplastic.

Terminals: Brass.

Wire: 16 Awg size; nominal o.d. 0.104"; color red.

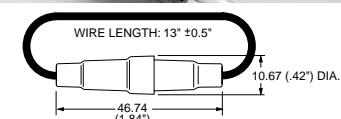
Lead Pull Test: Will withstand 10 lb. pull.

Ambient Temperature: -40°C to +80°C.

ORDERING INFORMATION:

Catalog Number: 150 274

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



Fuseholders

Special Types

For ATO® Fuses In-Line Type

SPECIFICATIONS:

Electrical: Intended for use with 32 volts Autofuse® fuses rated to 20 or 30 amperes depending on wire size and terminal combinations.

Mounting: Capable of snap-mounting to panel from rear. Fuseholders interlock for multiple mounting.

Molded Parts: Black Thermoplastic (UL 94V2).

Terminals: Brass. Tin-plated. Snap-lock into body.

Ambient Temperature: -40°C to +85°C.

Wire: Stranded with PVC insulation, black #14 AWG for 155 300 Series and orange #10 AWG for 155 400 Series.

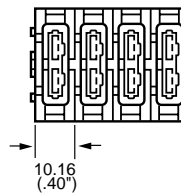
PATENTED

ORDERING INFORMATION:

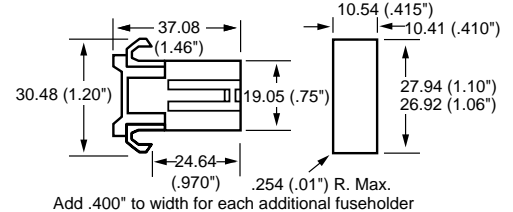
Catalog Number			
Unassembled	Assembled with 8" Wire Loop, No Fuse	Assembled with 8" Wire Loop and Fuse	Fuse Amperage Rating
155 320U (Terminals designed for #14 AWG stranded wire and marked "14").	155 300 (#14 wire/ terminals rated to 20A).	155 303A	3
		155 304A	4
		155 305A	5
		155 37.5A	7.5
		155 310A	10
		155 315A	15
155 430U (Terminals designed for #10 AWG stranded wire and marked "10").	155 400 (#10 wire/ terminals rated to 30A).	155 320A	20
		155 425A	25
		155 430A	30



Typical Multiple Mounting (Fuseholders interlocked)



Recommended Panel Mounting Hole (.04" / .078" thick panel)



For ATO® Fuses P.C. Board Mount Type

SPECIFICATIONS:

Electrical: Intended for use with 32 volts ATO® fuses rated to 15 amperes.

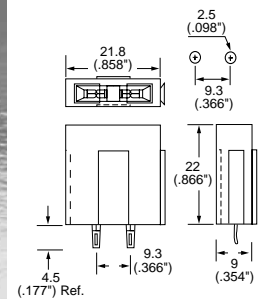
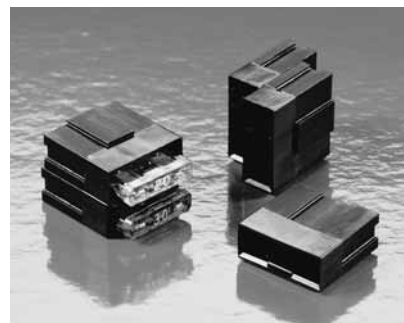
Molded Parts: Black Thermoplastic

Terminals: Copper Alloy, Tin Plated

Ambient Temperature: -40°C to +85°C.

ORDERING INFORMATION:

Catalog Number: 04450715



For MINI® Fuses In-Line Type — Easy Crimp Fuseholder

SPECIFICATIONS:

Terminals: Copper Alloy/Tin plated.

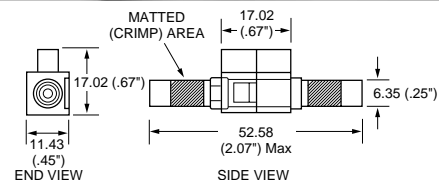
Body: Black Thermoplastic.

Operating Temperature: -40°C to +105°C.

Use standard crimping tool and crimp the matted area to secure wire. (Possible crimp tool - Ideal #30-428 [Toothed Die slot] or equivalent).

ORDERING INFORMATION:

Catalog Number	Description
153 002	20A Max. Rating — Terminals will accept #16–22 AWG (1.0–.33 mm ²) stranded wire (use appropriate wire size based on fuse usage). For example — Use #16 AWG wire for 20A fuse.
153 003	30A Max. Rating — Terminals will accept #10–14 AWG (5.0–2.0 mm ²) stranded wire (use appropriate wire size based on fuse usage). For example — Use #10 AWG wire for 30A fuse.



Tool For Fuse Removal or Replacement; Part No. 097024.

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

Fuseholders

Special Types

For MINI® Fuses P.C. Board Mount Type



The MINI® Fuse P.C. board fuseholders bring the reliability and availability of the plug-in 32V MINI® Fuse to the circuit board. Vertical and horizontal mounting of units is offered to meet a variety of requirements in which circuit protection is desired for a low DC voltage P.C. board application. The fuseholder body has “standoffs” to accommodate board washing and incorporates a unique “board lock” anchor to maintain a firm mechanical bond to the PCB during fuse insertion and removal.

APPROVALS:

- **153007, 153008, 153009:** Recognized under the Components Program of Underwriters Laboratories for 15 amperes and Certified by CSA for 10 amperes.
- **153031, 153032, 153033:** Recognized under the Components Program of Underwriters Laboratories and CSA for 20 amperes.

SPECIFICATIONS:

Electrical: Rated 32 VDC.

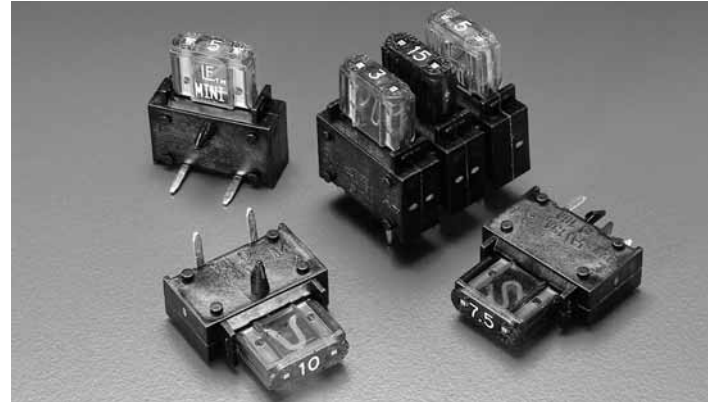
Mounting: Three fuseholders can be mounted side by side (stacked) and operated at rated current. Contact factory for applications involving more than three stacked fuseholders.

Molded Parts: Black Thermoplastic body (UL 94V0).

Ambient Temperature: -40°C to +85°C.

Compatibility: Standard .062" PCB thickness.

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

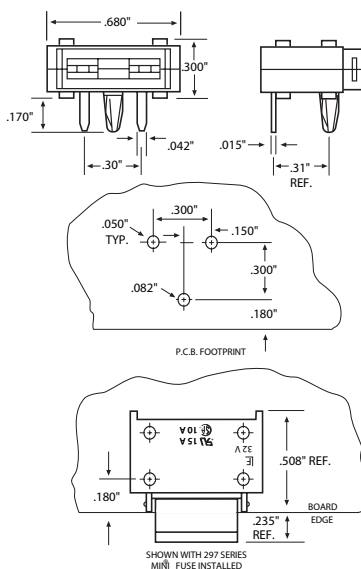


ORDERING INFORMATION:

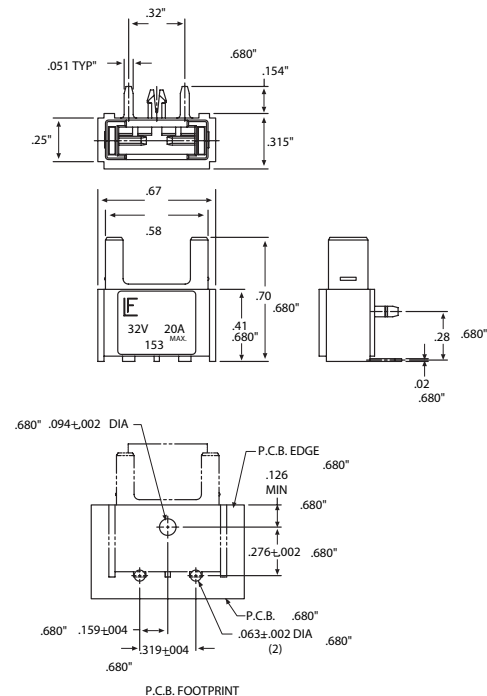
Catalog Number	Description	Termination	Voltage	Ampere Rating (A)
153007	Horizontal Mount P.C.B Holder	Cu alloy, Sn plated	32 VDC	15
153031				20
153008	Single or Stackable (End Unit) Vertical Mount	Cu alloy, Sn plated	32 VDC	15
153032				20
153009	Stackable Vertical Mount P.C.B. Holder	Cu alloy, Sn plated	32 VDC	15
153033				20

Tool For Fuse Removal or Replacement; Part No. 097024.

Part No. 153007



Part No. 153031



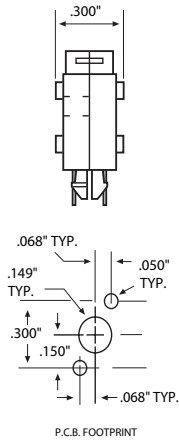
Fuseholders

Special Types

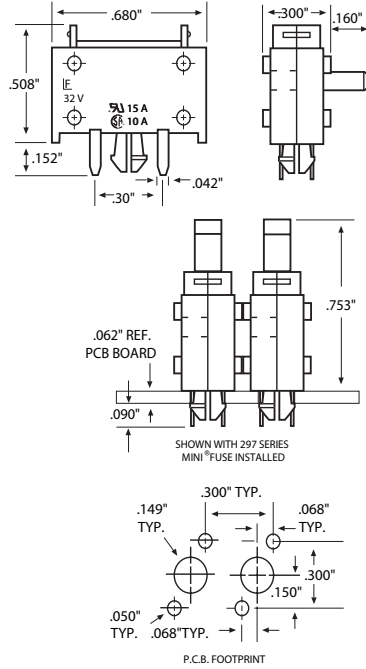
For MINI® Fuses P.C. Board Mount Type



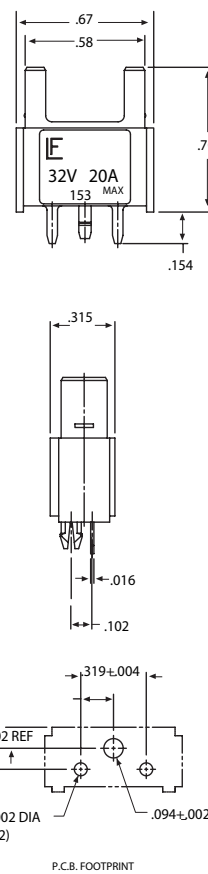
Single or stackable end unit (RH) (Part No. 153008)



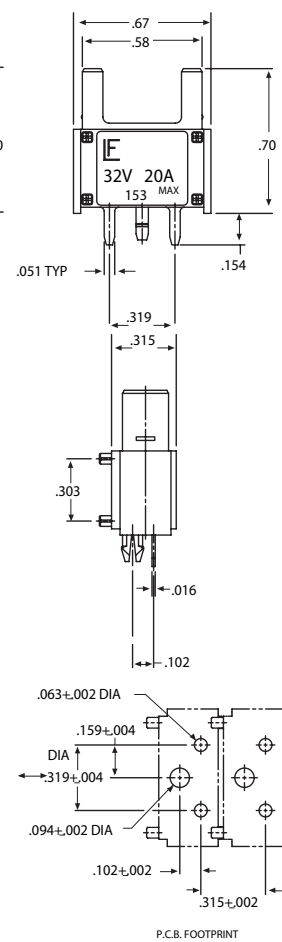
Stackable unit (Part No. 153009)



Single or stackable end unit (Part No. 153032)



Stackable unit (Part No. 153033)



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

Notes and Drawings

