GPM SERIES

PANEL MOUNT / FUSE HOLDERS

Ferraz Shawmut

GPM PANEL MOUNT FUSE HOLDERS

Ferraz Shawmut GPM Panel Mount Fuse Holders are in sizes to accommodate 5mm x 20mm, 1/4" x 1-1/4", Class CC and Midget (1-1/2" x 13/32") fuses. All 30A holders have glass-filled polyester insulators for extra dependability and trouble-free installation. Patented design allows same body to accept screw or bayonet knob. Flange design allows front or rear mounting. The 10A and 15A holders are for front mounting only.

Approvals

➤ **GPM-A, GPM-G:**
UL Recognized, Guide IZLT2, File E118864
CSA Certified, Class 908501, File AP82191

➤ **All others:**
UL Recognized, Guide IZLT2, File E52283
CSA Certified, Class 6225, File 32169

RECOMMENDED FUSE USAGE

GPM Fuse Holders will accommodate these Ferraz Shawmut fuses:

GPM-A: GGM, GGA, GSC
GPM-G: GSA, GDL, GGC, GSB, GDG, GAB
GPM-SRR, GPM-BRR, GPM-WTR: ATQR, ATDR, ATMR
GPM-S, GPM-B, GPM-WT: ATQ, ATM, TRM, OTM, GGU, A13X-2, A25Z-2, A60Q-2, A6Y-2B
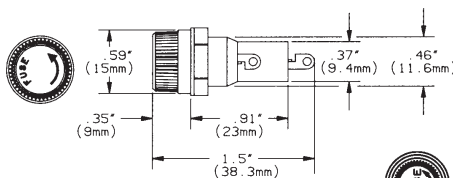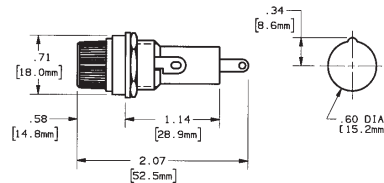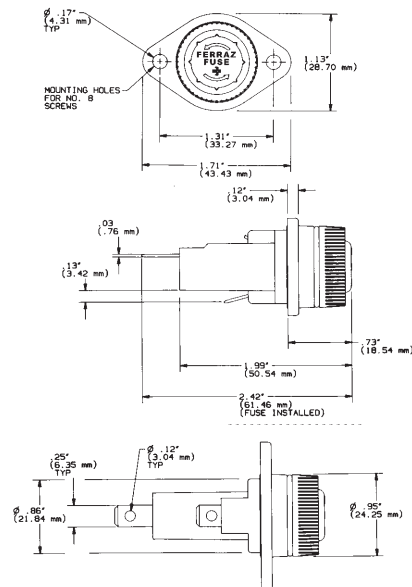

Figure 1

Figure 2

Figure 3

Catalog Numbers & Descriptions

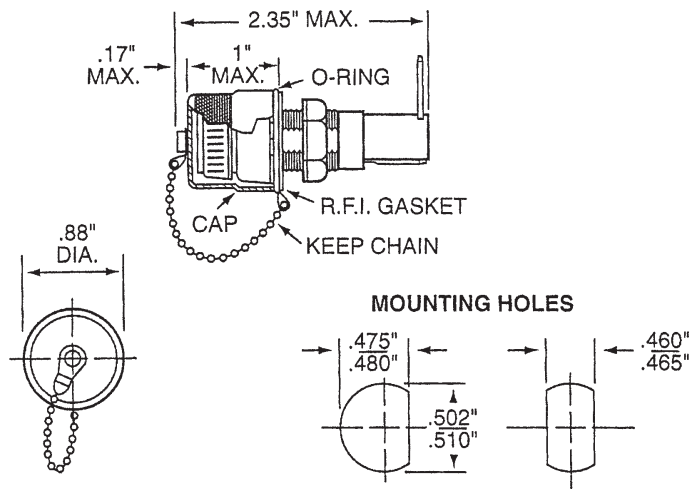| CATALOG NO.	FIG.	CAP TYPE	AMPS	VOLTS	FUSE TYPE	TERMINAL TYPE
GPM-A	1	Screw Knob	10	250	5mm x 20mm	Solder
GPM-G	2	Screw Knob	15	250	1/4" x 1-1/4"	Solder
GPM-S	3	Screw Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/Solder
GPM-SRR	3	Screw Knob	30	600	Class CC	1/4" Quick-connect/Solder
GPM-B	3	1/4 Turn Bayonet Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/Solder
GPM-BRR	3	1/4 Turn Bayonet Knob	30	600	Class CC	1/4" Quick-connect/Solder
GPM-WT	3	Water-tight Screw Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/Solder
GPM-WTR	3	Water-tight Screw Knob	30	600	Class CC	1/4" Quick-connect/Solder

GPM-SERIES

GPM-SERIES

RF Shielded/watertight panel mount for 3AG fuses.

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-F-19207 and the Shock-Safe requirements of IEC 65 and 257. A rubber O-ring and conductive gasket maintain RF shielding and watertight construction.

Catalog Numbers & Descriptions

CATALOG NO.	BRASS SHIELDING. CAP FINISH
GPM-RFN	NICKEL PLATED
GPM-RFB	DULL BLACK

INTERNATIONAL SHOCK-SAFE PANEL MOUNT TYPE FUSES

A complete selection of styles satisfy a wide variety of fuseholder design needs. Designed to eliminate the possibility of electrical shock, as defined in IEC standards 65 and 127. The Universal fuseholder body will accept 3AG, 5x20mm, 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. 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 color-coded letters on fingergrip knob and color-coded screwdriver slot knobs.

Specifications

Electrical: Insulation Resistance: 10,000 Megohm minimum at 500 VDC. Contact Resistance: Less than .005 ohms 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 94VO) 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 contact clips. Spring loaded, locking mechanism provides 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: -40ºC to +85ºC.

Hardware: Threaded style fuseholders are supplied with thermoplastic hex nut unassembled. Quick Mount style fuseholders are supplied with a push-on type retaining nut, black oxide finish, unassembled.

APPROVALS

	3AG	5x20mm	2AG
ʀ	20A 250V	10A 250V	10A 250V
CSA	20A 250V	10A 250V	10A 250V
SEMKO	6.3A 250V	10A 250V	-
VDE	10A 250V	10A 250V	-

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Ordering Information:

Cap Suffix: -020	/	Body Suffix: -010

Example: GPM - A LS 7

Fuse Size — Style — Terminals

Fuse Size	Style	Terminals
M 2AG-.177"x .570" **G** 3AG-.250" x 1.250" **A** 5 x 20mm-.197" x 787"	**LF** Low Profile Body, Black Fingergrip Knob **RF** Rear Mount Body, Black Fingergrip Knob Fingergrip Knob: 2AG-Blue Letters 3AG-White Letters 5x20mm-Red Letters **HS** High Profile Body Screwdriver Slot Knob **LS** Low Profile Body Screwdriver Slot Knob **QS** Quick Mount Body Screwdriver Slot Knob Screwdriver Slot Knob: 2AG-Blue Knob 3AG-Grey Knob 5x20mm-Black Knob	**1** 3/16" (Rt. Angle) Dual Purpose Solder/QC **2** 3/16" (Straight) Dual Purpose Solder/QC **3** 3/16" (Rt. Angle) NEMA/QC **4** 3/16" (Straight) NEMA/QC **7** 1/4" (Rt. Angle) NEMA/DIN QC **8** 1/4" (Straight) NEMA/DIN QC

To Order Knob Only:

FUSE SIZE	FINGERGRIP KNOB PART NUMBER	SCREWDRIVER SLOT KNOB PART NUMBER
2AG	GPM-MLF1-020	GPM-MLS1-020
3AG	GPM-GLF1-020	GPM-GLS1-020
5x20mm	GPM-ALF1-020	GPM-ALS1-020

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)	GPM-ALF1-010	GPM-AHS1-010	GPM-ARF1-010	GPM-AQS1-010
3/16" Dual Purpose	(Straight)	GPM-ALF2-010	GPM-AHS2-010	GPM-ARF2-010	GPM-AQS2-010
3/16" NEMA QC	(Rt. Angle)	GPM-ALF3-010	GPM-AHS3-010	GPM-ARF3-010	GPM-AQS3-010
3/16" NEMA QC	(Straight)	GPM-ALF4-010	GPM-AHS4-010	GPM-ARF4-010	GPM-AQS4-010
1/4" NEMA/DIN QC	(Rt. Angle)	GPM-ALF7-010	GPM-AHS7-010	GPM-ARF7-010	GPM-AQS7-010
1/4" NEMA/DIN QC	(Straight)	GPM-ALF8-010	GPM-AHS8-010	GPM-ARF8-010	GPM-AQS8-010

*** Low profile body will accept either Fingergrip or Screwdriver Slot Knob.

H

DIMENSION DRAWINGS:

Low Profile Fingergrip Knob — .60" DIA. — .41" — 1.59" — special 1/2" thread

Rear Mount Fingergrip Knob — .65" DIA. — .50" MIN. — 1.50" MAX. — special 1/2" thread

High Profile Screwdriver Slot Knob — .04"x.25" — .60" DIA. — .40" — 1.35" — special 1/2" thread

Low Profile Screwdriver Slot Knob — .04"x.25" — .60" DIA. — .16" — 1.59" — special 1/2" thread

Quick Mount Screwdriver Slot Knob — .04"x.25" — .60" DIA. — .16" — 1.59"

Terminal Styles

.090" x .160" HOLE — .187" — 3/16" DUAL PURPOSE SOLDER/QUICK CONNECT

.055" HOLE — .187" — 3/16" NEMA QUICK CONNECT

.070" HOLE — .250" — 1/4" NEMA/DIN QUICK CONNECT

Suggested Mounting Holes — .475"/.480" — .460"/.465" — .500"/.505"

Bottom Terminal Right Angle / Straight

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

"Push-On" Type Retaining Nut for Quick Mount Fuseholder — .63" — .91" DIA.

Plastic Hex Nut with Flange — .65" DIA. — .19" — SPECIAL 1/2" THREAD — .558" HEX.

CSA RU