

PS 20x127 Ferrule Fuse Holders and No-Load Disconnectors

Highlights:

- Solid assembly offers good thermal and mechanical withstand rating
- Fuse mounting in holders or no-load disconnectors with or without open fuse indicating microswitches
- Phenolic resin models for basic applications, fiber-glass polyester for applications in corrosive atmospheres or applications for traction
- Voltage = 1,500 V and 2,500 V

Dielectric withstand tests

	R.M.S. voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50 s (IEC 694 et CEI 60)
Between close phases and phase and ground	6kV(1) - 10 kV(2)	12 kV(1) - 20 kV(2)
Between phases and microswitch	12 kV	

Connecting with 16mm² max. width, 5mm max. thick terminal

(1) Basic model

Max. temperature (°C)/ Relative humidity (%): 20 °C/95% - 40°C/80% - 50°C/50%

(2) Salt spray-proof model

Moist tropical and equatorial climate or corrosive atmosphere.



Ratings:

Volts : 1,500V
: 2,500V
SCCR : 42kA AC
: 55kA DC

Approvals:

- UL Recognized component
File E113357



Dimensions

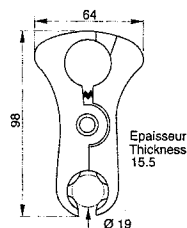
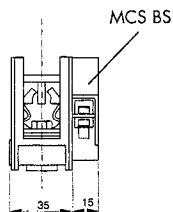
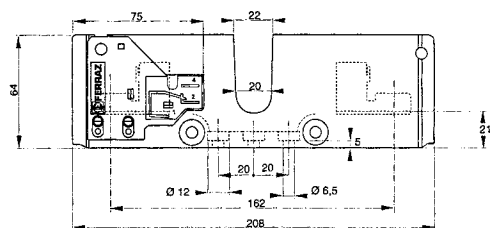
Description	Insulation voltage rating Ui AC 50/60 Hz or DC	Fuse current rating I _N (A)	Maximum operating current of fuse (A)					Advised copper wire size mm ²	Fire and fumes class NF F 16-101 and 102 and UL
			1000 V gLB	=1000 V gRC	=1000 V gRB	=1500 V gRB	=1500 V gRD		
PSI 20X127	1500 V without terminal covers	50		50	No Operating Limit			10	basic model 12-F1 UL 94 V1
PSI 20X127 PRE	2500 V with terminal covers and only salt spray-proof model	63	80	56				16	salt spray-proof model I1 - F1 UL 94 VO
PSII 20X127 PRE		80	90					25	
PSIII 20X127 PRE		100	100					35	
PSIV 20X127 PRE		125						50	

Connecting with 50 mm² max. cable with copper terminals or with a 15 x 8 max. rigid or flexible bar.

PS 20x127

Ferrule Fuse Holders and No-Load Disconnectors

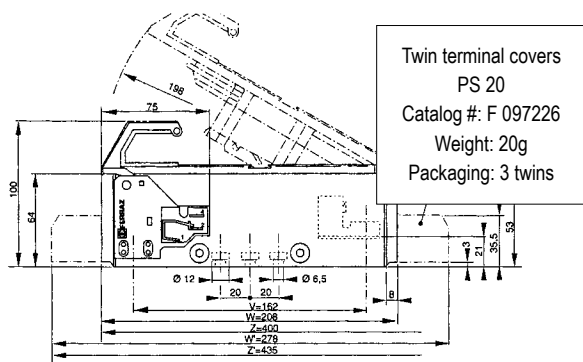
Fuse Holders and Accessories



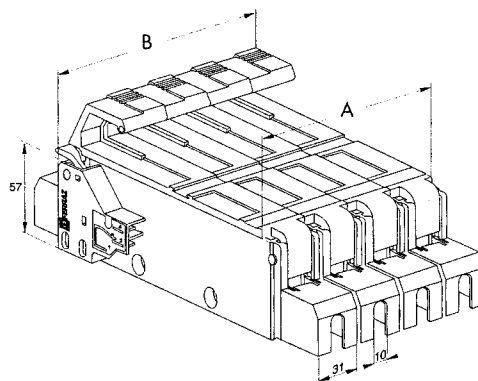
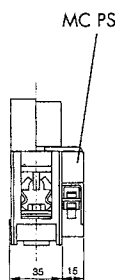
Description	Catalog No.	Weight (g)	Packaging
PSI 20x127	X 097310	260	3 pieces
PSI 20x127 + MCS BS	X 220130	290	2 pieces

PMCP 20+22
Catalog #: K 100036
Weight: 40g
Packaging: 1

Fuse non-load Disconnectors and Accessories



Twin terminal covers
PS 20
Catalog #: F 097226
Weight: 20g
Packaging: 3 twins



V: Connecting distance between centers
W: Clip for rail mounting in two positions
W': With terminal cover length
Y: Space factor with a 90° fuse carrier position
Z: Without terminal cover, space factor with a 180° fuse

carrier position
Z': With terminal cover, space factor with 180° fuse carrier position

Description (basic model)	Catalog No.
PSI 20x127 PRE	F097203
PSII 20x127 PRE	G097227
PSIII 20x127 PRE	H097228
PSIV 20x127 PRE	J097229
PSI 20 x 127 PRE+MC PS	H097205
PSII 20 x 127 PRE+MC PS	D097293
PSIII 20 x 127 PRE+MC PS	E097294
PSIV 20 x 127 PRE+MC PS	F097295

No. of Poles	A	B
1	35	50
2	69	84
3	103	118
4	137	152

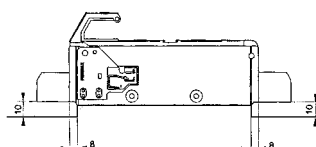
Preisolating and blown fuse indicating microswitch features	
Microswitch rated current	Non-inductive circuit interrupting rating
3A - 50 Hz	3A - 50 Hz
3A - DC	3A - DC

Reliable minimum operating voltage/current:

10V - 10mA

Connecting with 6.35 mm lug

Distances when mounting on a conductive board @ $U_i = 2500$ VAC



Description (salt spray-proof model)	Ref. No.
PSI 20x127 PRE BS	G097204
PSII 20x127 PRE BS	L097231
PSIII 20x127 PRE BS	T097261
PSIV 20x127 PRE BS	C097292
PSI 20 x 127 PRE BS+MC PS	J097206
PSII 20 x 127 PRE BS+MC PS	G097296
PSIII 20 x 127 PRE BS+MC PS	H097297
PSIV 20 x 127 PRE BS+MC PS	J097298



Semiconductor Fuses AC+DC Ferrule Fuse Holders PS27



PSI 27x60+MC PS



FUSE HOLDERS AND FUSE DISCONNECTORS FOR FERRULE-TYPE FUSES

- SOLID ASSEMBLY OFFERING GOOD THERMAL AND MECHANICAL WITHSTANDS
- FUSE MOUNTING IN HOLDERS OR DISCONNECTORS WITH OR WITHOUT PREISOLATING AND BLOWN-FUSE INDICATING MICROSWITCHES
- PHENOLIC RESIN MODELS FOR BASIC APPLICATIONS - FIBER GLASS POLYESTER FOR APPLICATIONS IN CORROSIVE ATMOSPHERES OR IN TRACTION
- COMPLYING WITH IEC 947-3 STANDARD (AC 20 A CLASS)
- $U_i = 1,000 \text{ V AC} - 1,250 \text{ V DC}$

Main Characteristics

Designation	Insulation voltage rating U_i AC 50/60 Hz or DC	Fuse current rating I_N (A)	Maximum operating current of fuse (A)					Recommended copper wire size mm^2	Fire and fumes class
			$\approx 440 \text{ V}$ gLB	$\approx 660 \text{ V}$ gRB	AC1000 VURB	AC660 VURGD	660 V URQ		
PSI 27x60	1000 V AC	110	no operating limit					50	basic model UL 94 V1
PSII 27x60		125							
PSIII 27x60		160							
PSIV 27x60	1250 V DC	170						70	salt spray-proof model UL 94 V0
PSI 27x60 PRE	with or without terminal covers	200				190	200	95	
PSII 27x60 PRE		250				225	225	120	
PSIII 27x60 PRE									
PSIV 27x60 PRE									

Connecting with two screws M8 (maximum tightening torque 13.5 mN) on silver plated terminals the 95 mm^2 max. cable with copper terminals or with 20 x 8 max. rigid or flexible bar.

Basic model

Max. temperature ($^{\circ}\text{C}$) / Relative humidity (%): 20 $^{\circ}\text{C}/95\%$ - 40 $^{\circ}\text{C}/80\%$ - 50 $^{\circ}\text{C}/50\%$

Salt spray-proof model: (BS type)

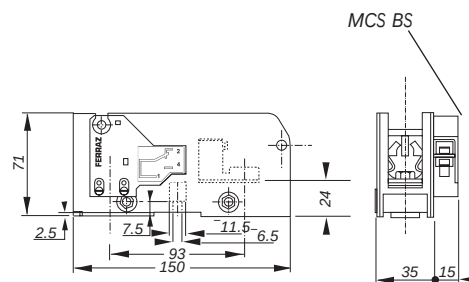
Moist tropical and equatorial climate. Corrosive atmosphere.

Dielectric withstand tests

	R.M.S. voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50 μs (IEC694 et CEI 60)
Between close phases and phase and mass	9 kV	12 kV
Between phases and microswitch	14 kV	

Fuse Holders and Accessories

Designation	Ref. Number	Catalog Number	Weight (g)	Packaging
PSI 27x60	B 220088	PS271	300	3 pieces
PSII 27x60	C 220089	PS272	560	2 pieces
PSIII 27x60	D 220090	PS273	920	1 piece
PSIV 27x60	E 220091	PS274	1150	1 piece
PSI 27x60+MCS BS	R 220240	PS271MCSBS	330	2 pieces
PSII 27x60+MCS BS	S 220632	PS272MCSBS	600	2 pieces
PSIII 27x60+MCS BS	P 220215	PS273MCSBS	900	1 piece
PSIV 27x60+MCS BS	S 220356	PS274MCSBS	1200	1 piece



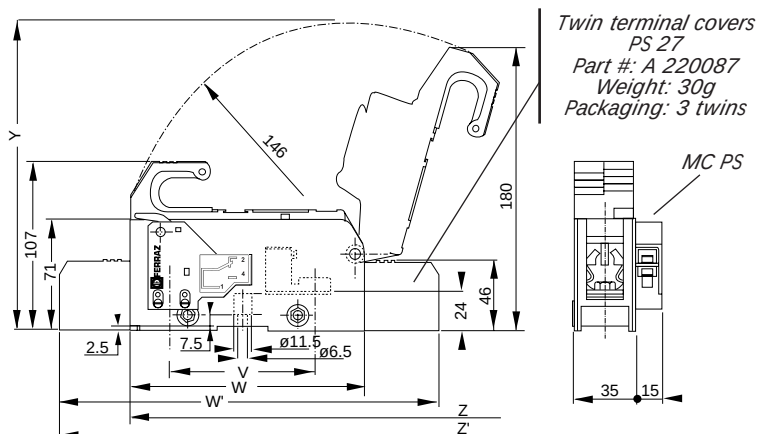
Mounting : Direct on board or bar with two M6 screws - see below drilling diagram



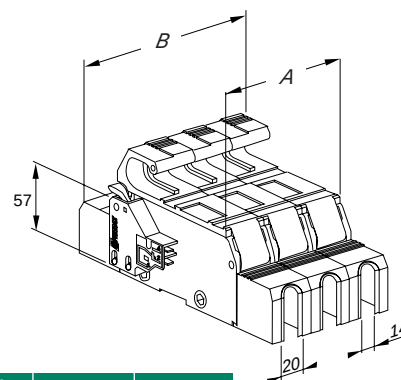
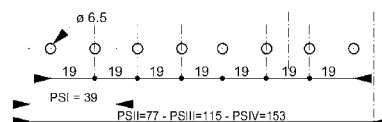
Semiconductor Fuses AC+DC Ferrule FuseHolders PS27

FUSE HOLDERS AND FUSE DISCONNECTORS FOR FERRULE-TYPE FUSES

Fuse Disconnectors and Accessories



V: 93 Connecting distance between centers
W: 150 Without terminals cover length
W': 240 With terminals cover length
Y: 196 Space factor with a 90° fuse carrier position
Z: 284 Without terminal cover, space factor with a 180° fuse carrier position
Z': 279 With terminal cover, space factor with a 180° fuse carrier position



Quantity of poles	A	B
1	39	53
2	77	91
3	115	129
4	153	167

Designation (basic model)	Ref. Number	Cat. Number	Weight (g)	Packaging
PSI 27x60 PRE	H 220071	PS271PRE	400	3 pieces
PSII 27x60 PRE	J 220072	PS272PRE	800	2 pieces
PSIII 27x60 PRE	K 220073	PS273PRE	1300	1 piece
PSIV 27x60 PRE	L 220074	PS274PRE	1700	1 piece
PSI 27x60 PRE+MC PS	M 220075	PS271PREMCPS	500	2 pieces
PSII 27x60 PRE+MC PS	N 220076	PS272PREMCPS	900	2 pieces
PSIII 27x60 PRE+MC PS	P 220077	PS273PREMCPS	1400	1 piece
PSIV 27x60 PRE+MC PS	Q 220078	PS274PREMCPS	1800	1 piece

Preisolating and blown fuse indicating microswitch features	
Microswitch rated current	Non-inductive circuit interrupting rating
3A - 50 Hz	3A - 250V
3A - DC	3A - 30V 0.5A - 110V

- Reliable minimum operating voltage/ current : 10V - 10mA
- Connecting with 6.35 mm lug

Catalog Number (salt spray-proof model)	Ref. Number	Cat. Number	Weight (g)	Packaging
PSI 27x60 PRE BS	R 220079	PS271PREBS	500	3 pieces
PSII 27x60 PRE BS	S 220080	PS272PREBS	1030	2 pieces
PSIII 27x60 PRE BS	T 220081	PS273PREBS	1540	1 piece
PSIV 27x60 PRE BS	V 220082	PS274PREBS	2080	1 piece
PSI 27x60 PRE BS+MC PS	W 220083	PS271PREBSMCPS	540	2 pieces
PSII 27x60 PRE BS+MC PS	X 220084	PS272PREBSMCPS	1100	2 pieces
PSIII 27x60 PRE BS+MC PS	Y 220085	PS273PREBSMCPS	1600	1 piece
PSIV 27x60 PRE BS+MC PS	Z 220086	PS274PREBSMCPS	2100	1 piece

Miniature Fuse Blocks

5X20QC1 & 6X32QC1 Single Pole Fuse Blocks

The 5X20QC1 single pole fuse blocks are for 5mm x 20mm fuses featuring tin-plated clips, a polyester insulator and 3/16" quick-connect terminals. The 6X32QC1 single pole fuse blocks are for 1/4" x 1-1/4" fuses and have tin-plated phosphor bronze clips, a phenolic insulator and 1/4" quick-connect terminals.

Features/Benefits:

5X20QC1

Single Pole Fuse Block
for 5mm x 20mm fuses

- Tin plated clips
- Polyester insulator
- 3/16" quick-connect terminals
- Rated 15A, 250V
- UL recognized

6X32QC1

Single Pole Fuse Block for
1/4" x 1-1/4" fuses

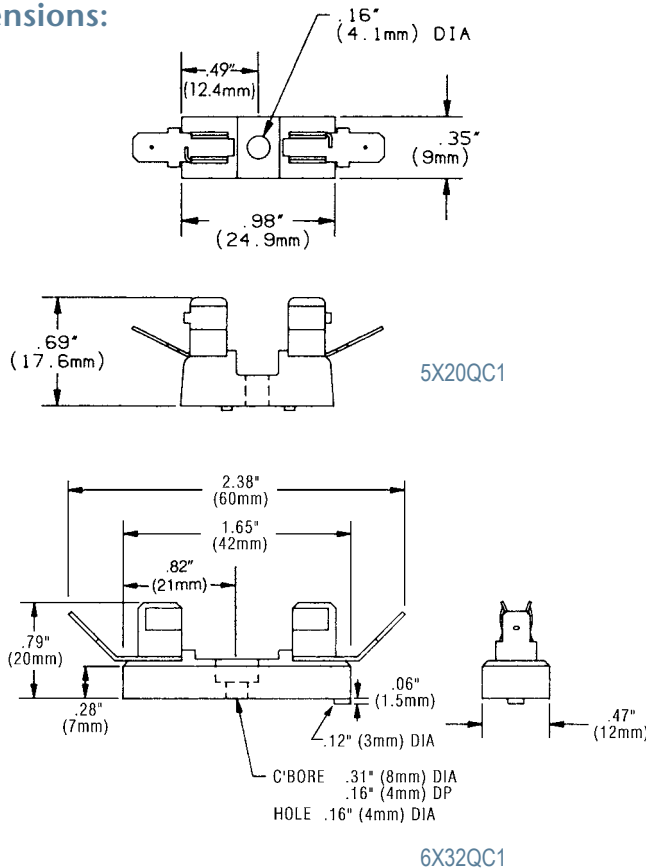
- Tin plated phosphor bronze clips
- Phenolic insulator
- 1/4" quick-connect terminals
- Rated 30A, 250V - UL Recognized

Recommended Fuse Usage:

5X20QC1 use with GGM, GGA, GSA, GSB, GDG

6X32QC1 use with GSA, GDL, GGC, GAB

Dimensions:



Ratings:

5X20QC1:

Volts: 250V

Amps : 15A

6X32QC1:

Volts: 250V

Amps : 30A

Approvals:

- UL Recognized



GPM SERIES Panel Mount Fuse Holders

Mersen GPM panel mount fuse holders are in sizes to accommodate Class CC and midget (1-1/2" x 13/32") fuses. All 30A holders have glass-filled thermoplastic 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.

Catalog Numbers & Descriptions

Catalog No.	Fig.	Cap Type	Amps	Volts	Fuse Type	Terminal Type
GPM-S	1	Screw Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/ Solder
GPM-S90	2	Screw Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/ Solder, Right Angle
GPM-SRR	1	Screw Knob	30	600	Class CC	1/4" Quick-connect/ Solder
GPM-SRR90	2	Screw Knob	30	600	Class CC	1/4" Quick-connect/ Solder, Right Angle
GPM-B	1	1/4 Turn Bayonet Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/ Solder
GPM-B90	2	1/4 Turn Bayonet Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/ Solder, Right Angle
GPM-BRR	1	1/4 Turn Bayonet Knob	30	600	Class CC	1/4" Quick-connect/ Solder
GPM-BRR90	2	1/4 Turn Bayonet Knob	30	600	Class CC	1/4" Quick-connect/ Solder, Right Angle
GPM-WT	1	Water-tight Screw Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/ Solder
GPM-WT90	2	Water-tight Screw Knob	30	600	1-1/2" x 13/32"	1/4" Quick-connect/ Solder, Right Angle
GPM-WTR	1	Water-tight Screw Knob	30	600	Class CC	1/4" Quick-connect/ Solder
GPM-WTR90	2	Water-tight Screw Knob	30	600	Class CC	1/4" Quick-connect/ Solder, Right Angle



Ratings:

Volts : 600VAC / DC
Amps : 30A Maximum
SCCR : 200kA (Class CC Fuses)
: 100kA (Midget Fuses)

Approvals:

- UL Recognized, guide IZLT2, File E52283
- CSA Certified - C22.2, class 6225, File 32169

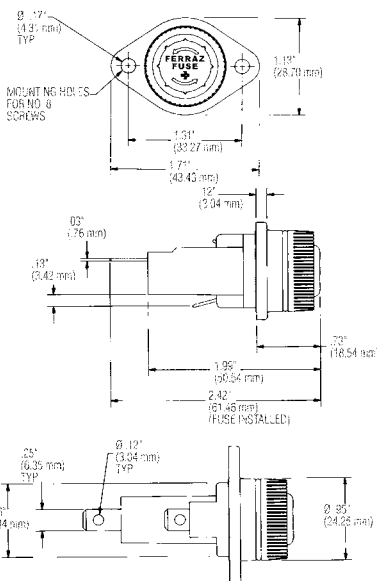


Figure 1

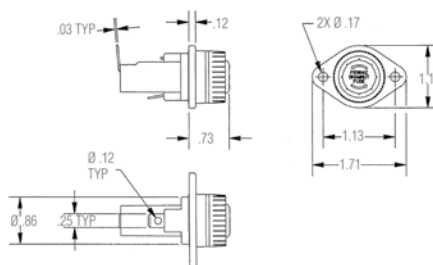


Figure 2

Recommended Fuse Usage:

GPM Fuse Holders will accommodate these Mersen fuses:

GPM-SRR, GPM-BRR, GPM-WTR: ATQR, ATDR, ATMR,
GPM-SRR90, GPM-BRR90, GPM-WTR90: ATQR, ATDR, ATMR,
GPM-S, GPM-B, GPM-WT: ATQ, ATM, TRM, OTM, GGU, A13X-2, A25Z-2, A60Q-2, A6Y-2B,
GPM-S90, GPM-B90, GPM-WT90: ATQ, ATM, TRM, OTM, GGU, A13X-2, A25Z-2, A60Q-2, A6Y-2B

GPM SERIES Panel Mount Fuse Holders

Mersen GPM panel mount fuse holders will accommodate 1/4" x 1-1/4" 3AG fuses and 5mm x 20mm fuses; most are approved by U.L. and CSA. Cap and body material is bakelite or polycarbonate and function as a screw-in or bayonet style closure. Finger-grip or screwdriver slots are available. All holders are rated for up to 250 volts with amp ratings ranging from 3A to 15A.

Catalog No.	Cap Type	Volts	Amps	Fuse Size	Terminal Type	Approvals
GPM-A	Finger-grip/Screw-in	250	10	5mm x 20mm	Solder	UR/CSA
GPM-A1	Finger-grip/Screw-in	250	10	5mm x 20mm	Solder	
GPM-A2	Finger-grip/Screw-in	250	10	5mm x 20mm	Solder	UR/CSA
GPM-A3	Finger-grip/Screw-in	250	3	5mm x 20mm	Solder	UR/CSA
GPM-A4	Finger-grip/Screw-in	250	6.3	5mm x 20mm	Solder, right angle	
GPM-A5	Screwdriver Slot	250	10	5mm x 20mm	Solder	
GPM-A6	Screwdriver Slot	250	6.3	5mm x 20mm	Solder, right angle	UR/CSA
GPM-A8	Screwdriver Slot	250	10	5mm x 20mm	Solder, right angle	UR/CSA
GPM-A9	Screwdriver Slot	250	6.3	5mm x 20mm	Solder, right angle	UR/CSA
GPM-A10	Screwdriver Slot	250	6.3	5mm x 20mm	3/16" Solder/QC	UR/CSA
GPM-A11	Screwdriver Slot	250	10	5mm x 20mm	Solder, right angle	UR/CSA

Recommended Fuse Usage:

GPM-A: GGM, GGA, GSB, GSC, GDG, GSD, GSF

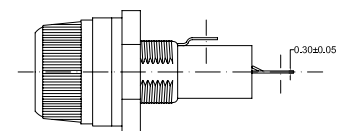
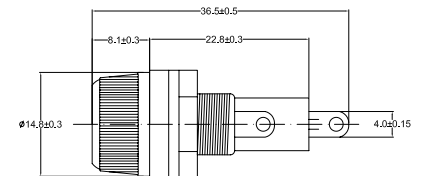
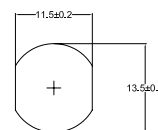
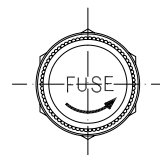
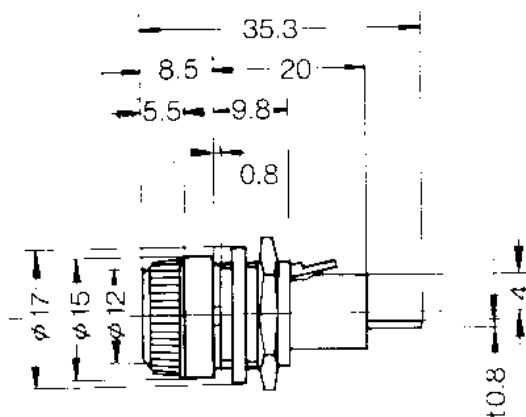
All dimensions mm's



GPM-A



GPM-A1



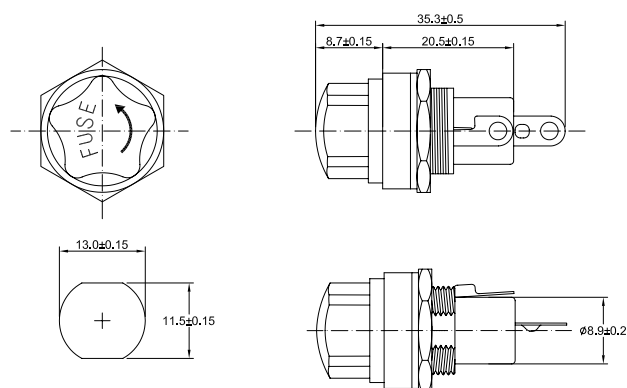
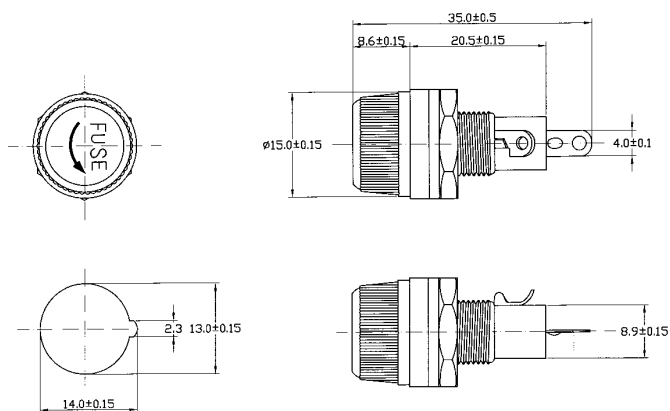
GPM SERIES Panel Mount Fuse Holders



GPM-A2



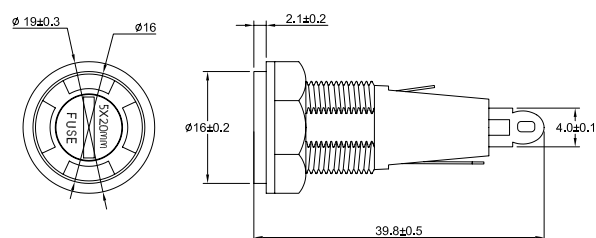
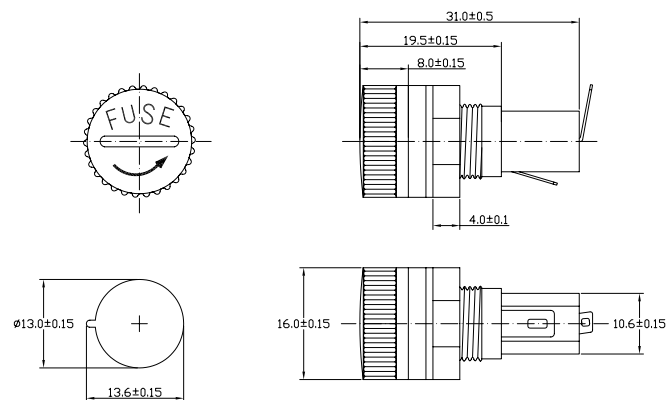
GPM-A3



GPM-A4



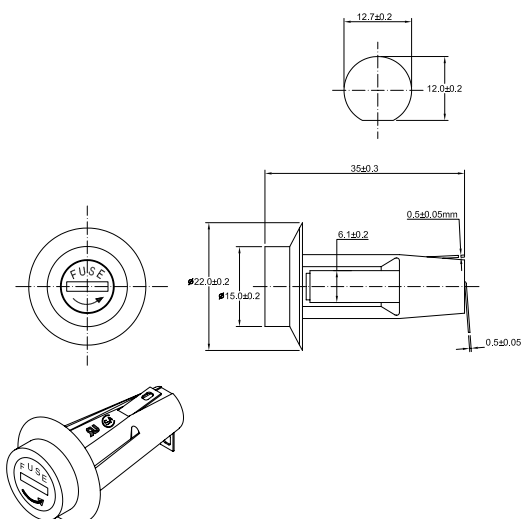
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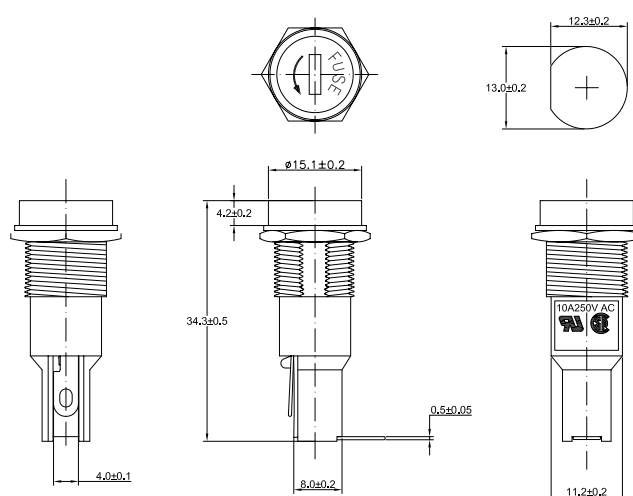
GPM SERIES Panel Mount Fuse Holders



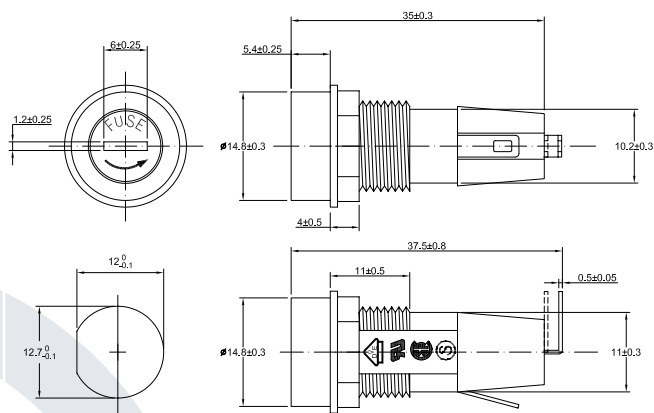
GPM-A6



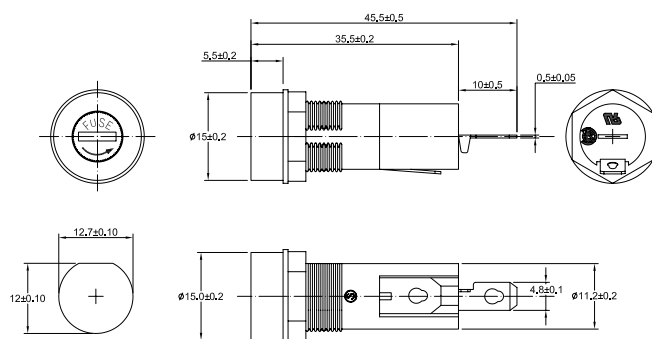
GPM-A8



GPM-A9



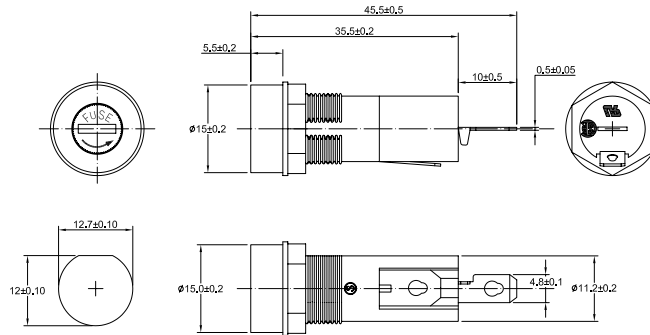
GPM-A10



GPM SERIES Panel Mount Fuse Holders



GPM-A11



Catalog No.	Cap Type	Volts	Amps	Fuse Size	Terminal Type	Approvals
GPM-G	Finger-grip/Screw-in	250	15	3AG	3/16" Solder/QC	UR/CSA
GPM-G1	Finger-grip/Screw-in	250	10	3AG	3/16" Solder/QC	UR/CSA
GPM-G2	Finger-grip/Screw-in	250	10	3AG	Solder	
GPM-G3	Screwdriver Slot	250	10	3AG	Solder	UR/CSA
GPM-G5	Finger-grip/Bayonet	250	10	3AG	1/4" Solder/QC	UR/CSA
GPM-G6	Finger-grip/Bayonet	250	10	3AG	Solder	UR/CSA
GPM-G7	Screwdriver Slot	250	15	3AG	3/16" Solder/QC	UR/CSA
GPM-G8	Finger-grip/Screw-in	250	15	3AG	Quick-connect	

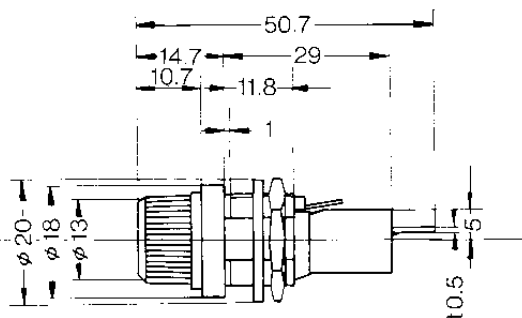
Recommended Fuse Usage:

GPM-G: GGC, GDL, GSA, GAB

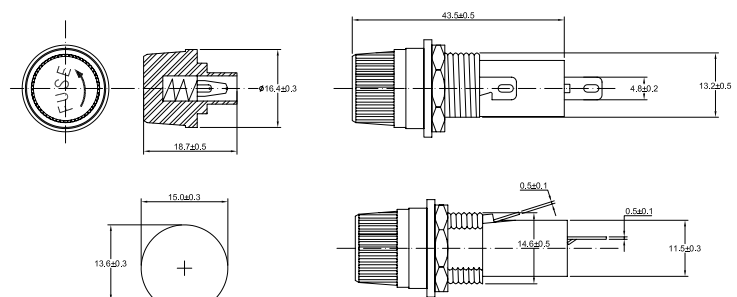
All dimensions mm's



GPM-G



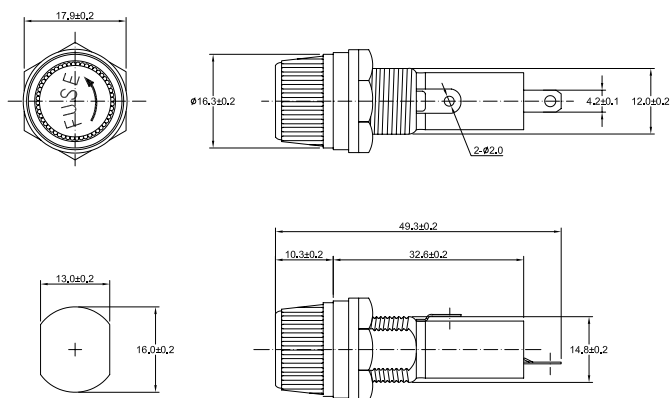
GPM-G1



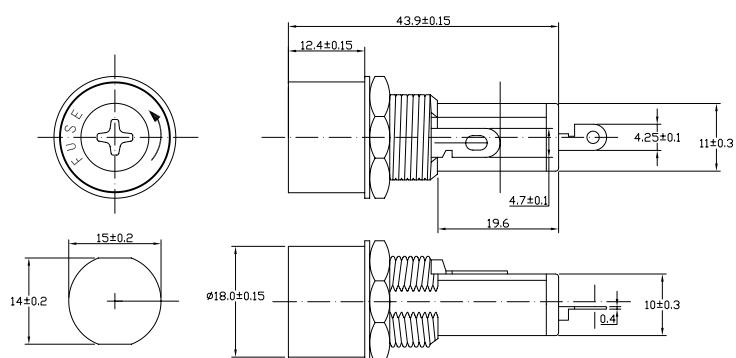
GPM SERIES Panel Mount Fuse Holders



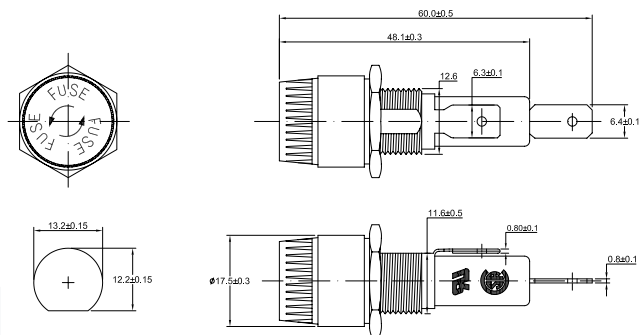
GPM-G2



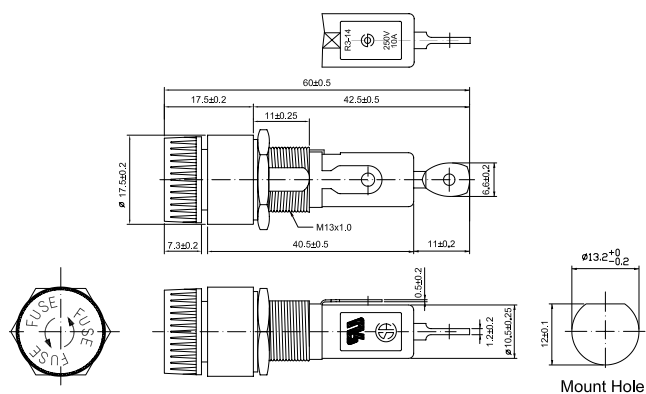
GPM-G3



GPM-G5



GPM-G6

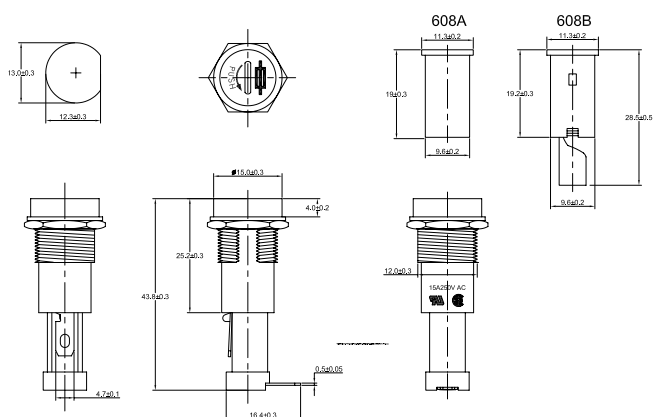


Mount Hole

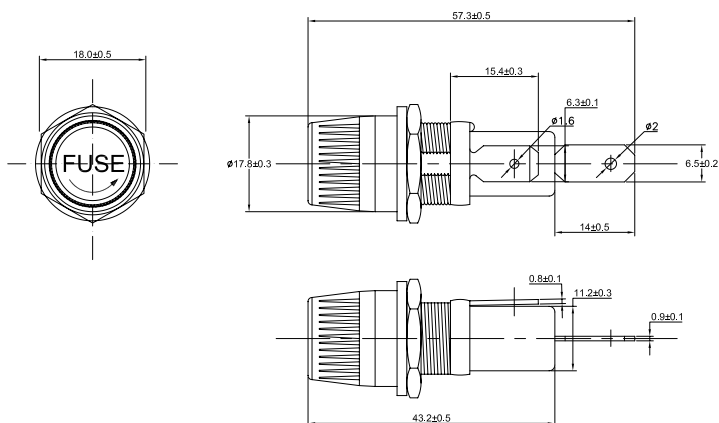
GPM SERIES Panel Mount Fuse Holders



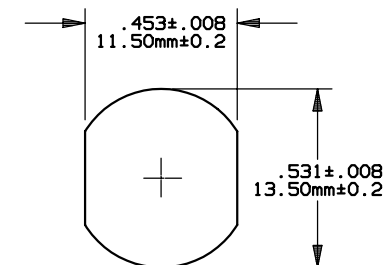
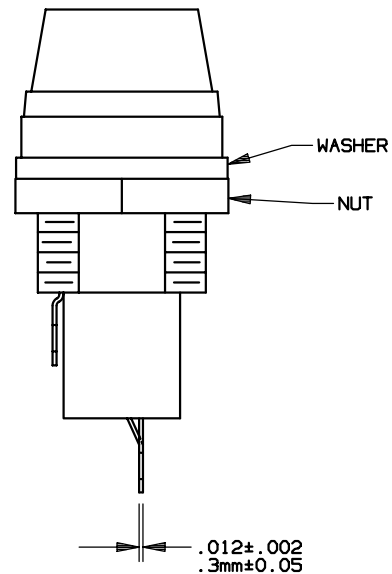
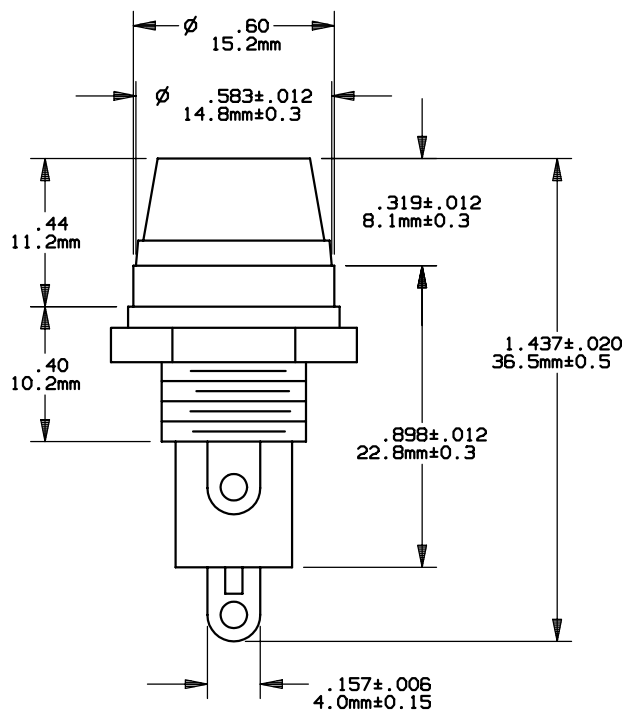
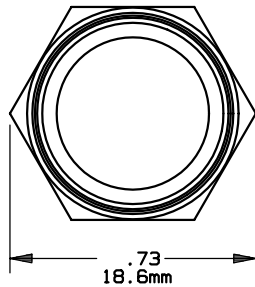
GPM-G7



GPM-G8



REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLE

NOTE:

1. INSULATING BODY: BAKELITE

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A1

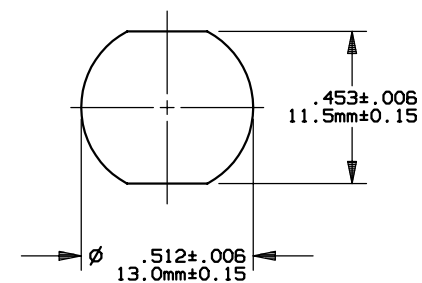
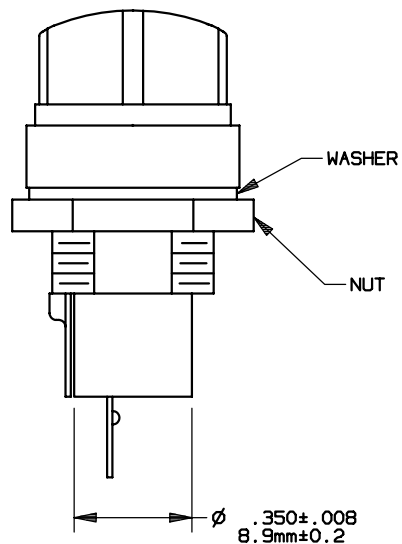
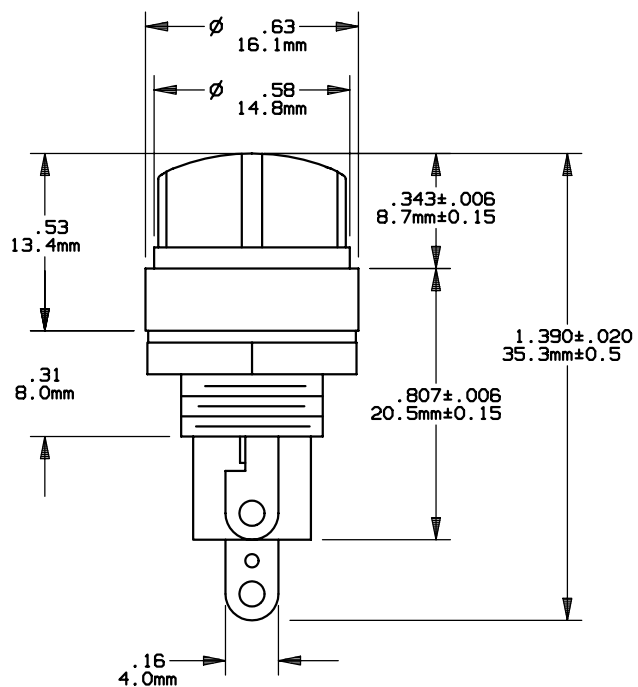
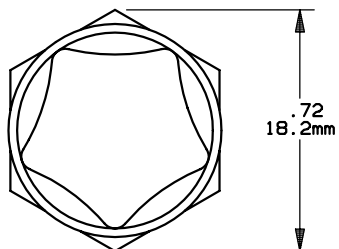
FUSE HOLDER 5X20mm

10A 250V

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701210

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLE

NOTE:

1. INSULATING BODY: BAKELITE

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A3

FUSE HOLDER 5X20mm

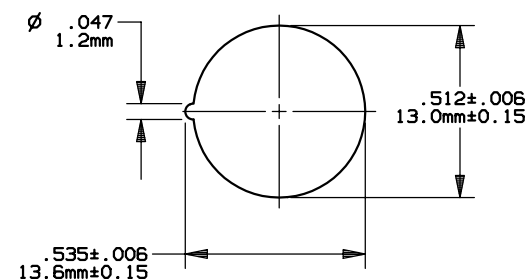
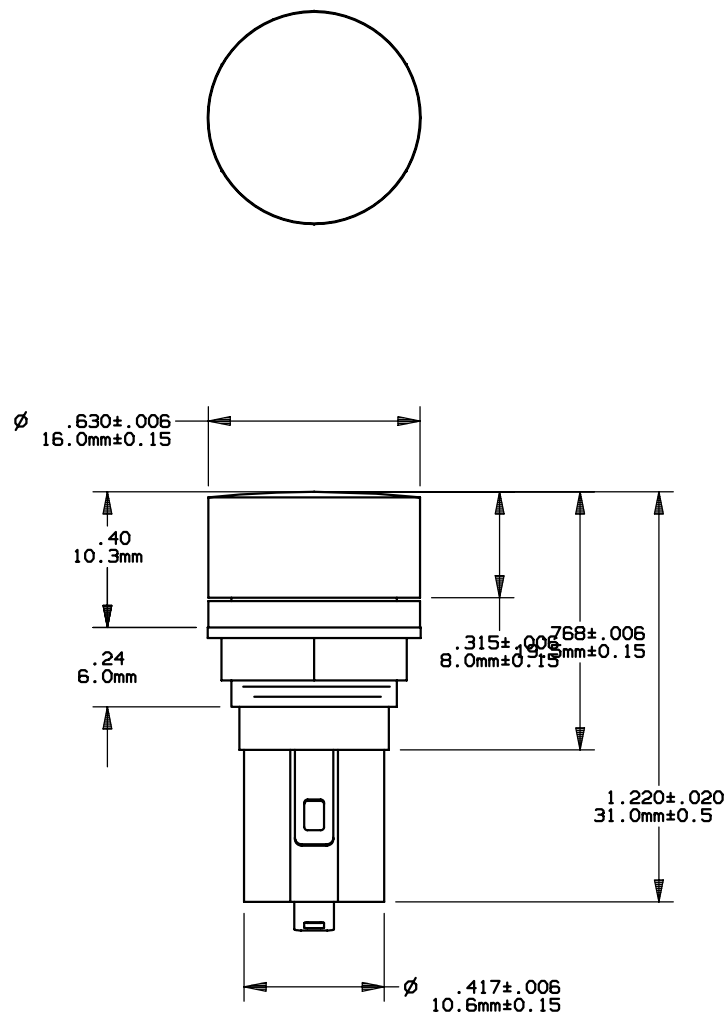
3A

250V

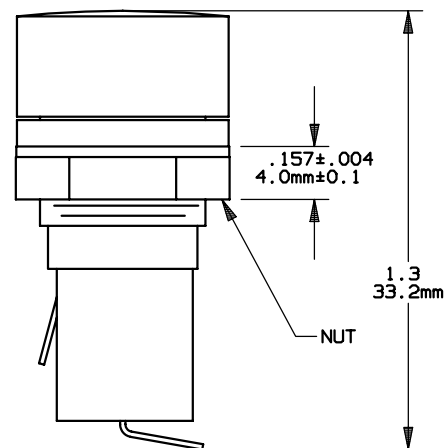
 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701212

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLE



NOTE :

1. INSULATING BODY: UL94-V0 FLAME RETARDANT POLYCARBONATE

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A4

FUSE HOLDER 5X20mm

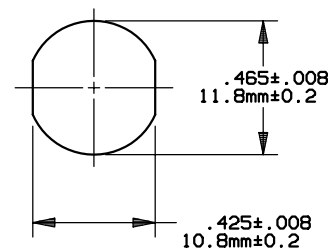
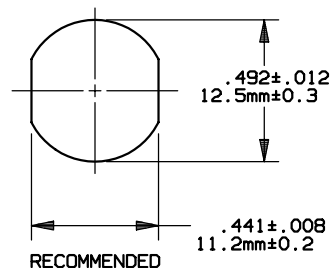
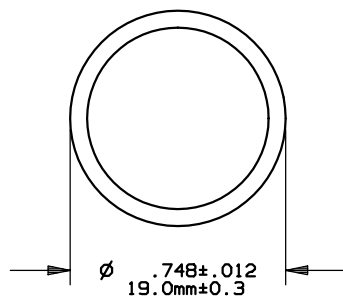
6.3A

250V

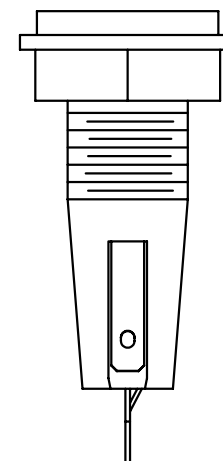
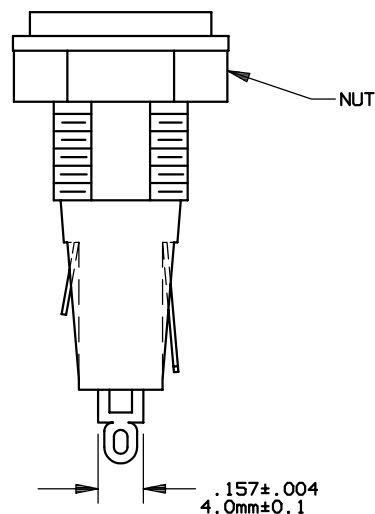
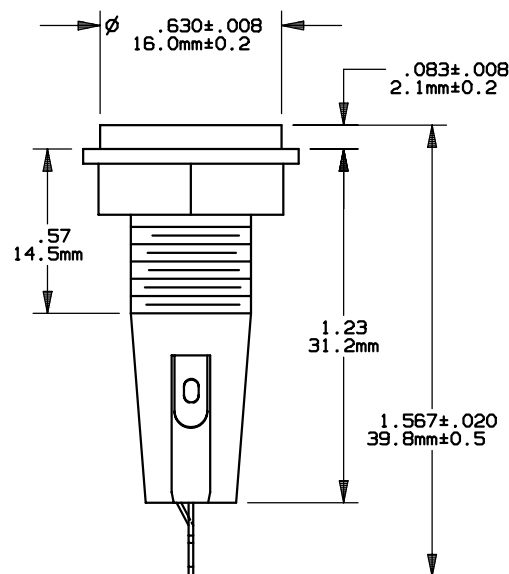
 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701213

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLES



NOTE:

1. INSULATING BODY: NYLON

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A5

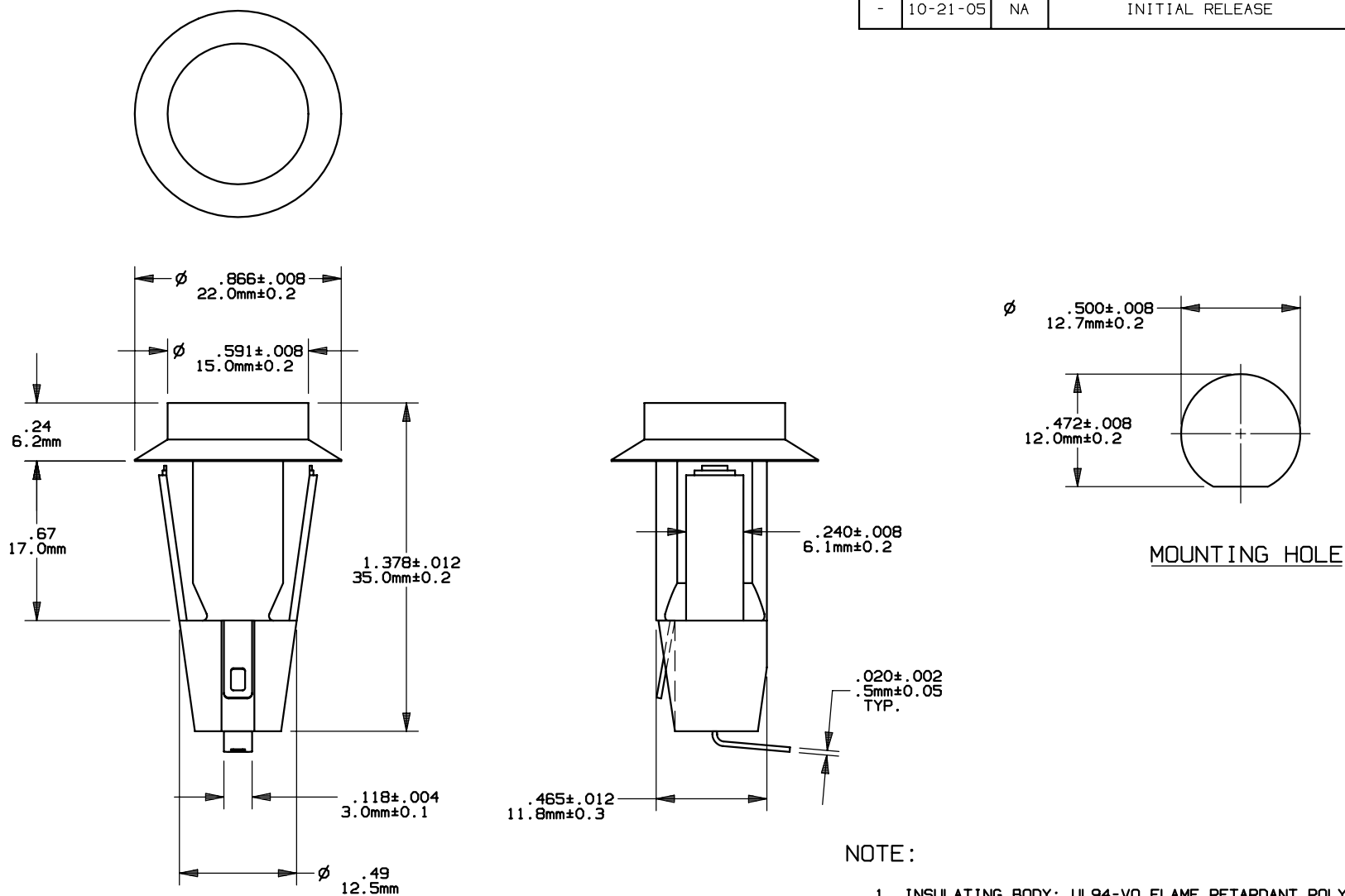
FUSE HOLDER 5X20mm

10A 250V

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701214

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



NOTE:

1. INSULATING BODY: UL94-V0 FLAME RETARDANT POLYCARBONATE

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A6

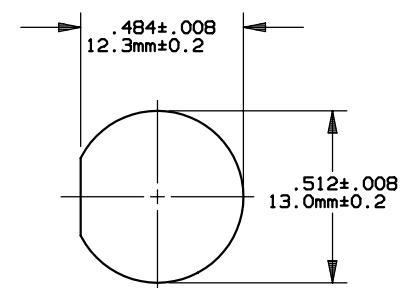
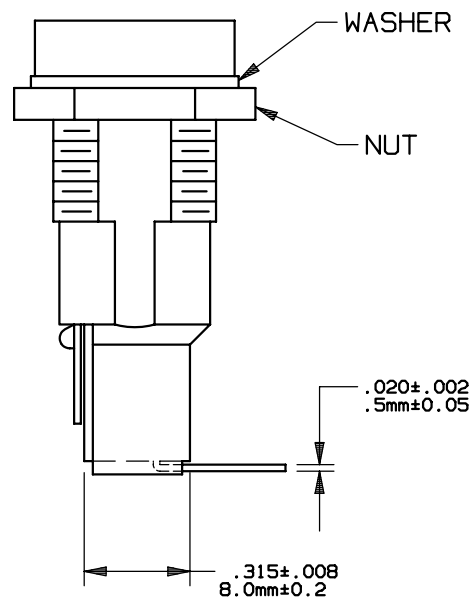
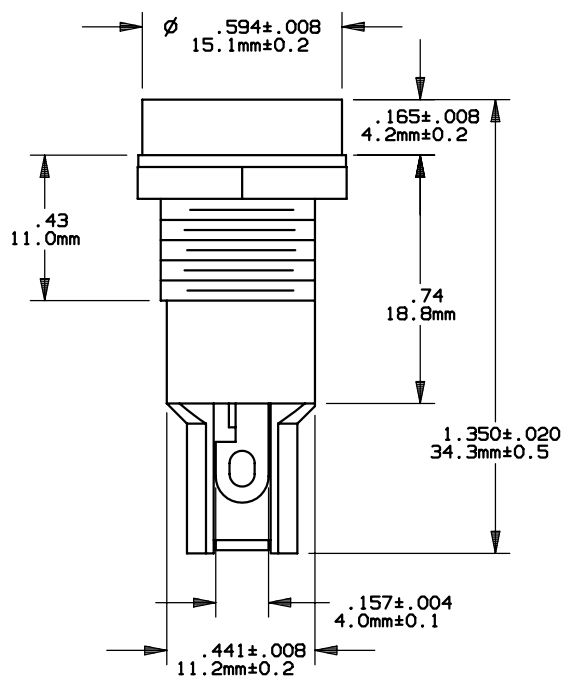
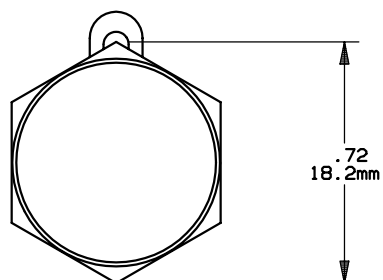
FUSE HOLDER 5X20mm

6.3A 250V 2.5W

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701215

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLE

NOTE:

1. INSULATING BODY: BAKELITE

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A8

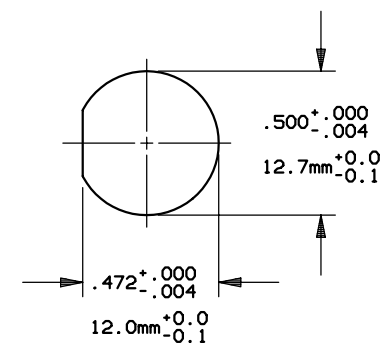
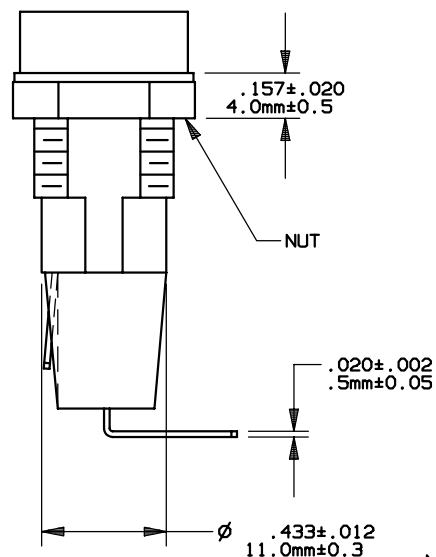
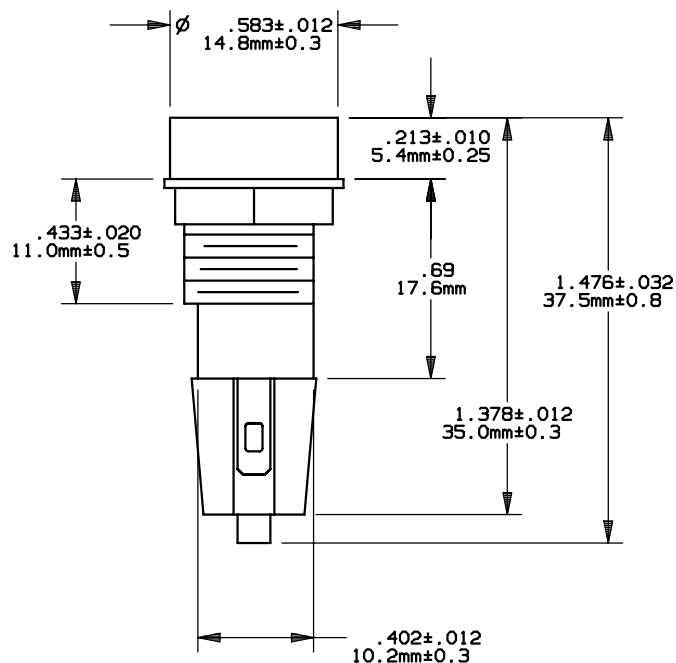
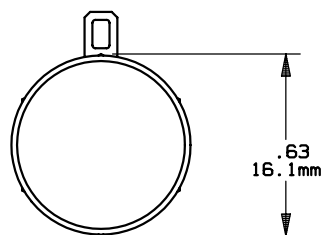
FUSE HOLDER 5X20mm

10A 250V

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701217

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLE

NOTE:

1. INSULATING BODY: PC UL94-V0 COVER PBT UL94V0

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A9

FUSE HOLDER 5X20mm

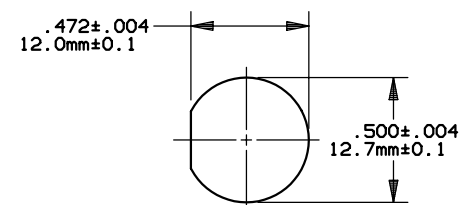
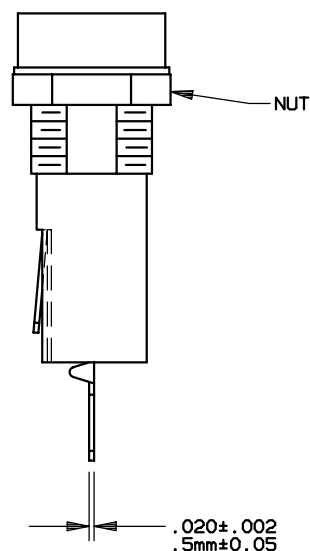
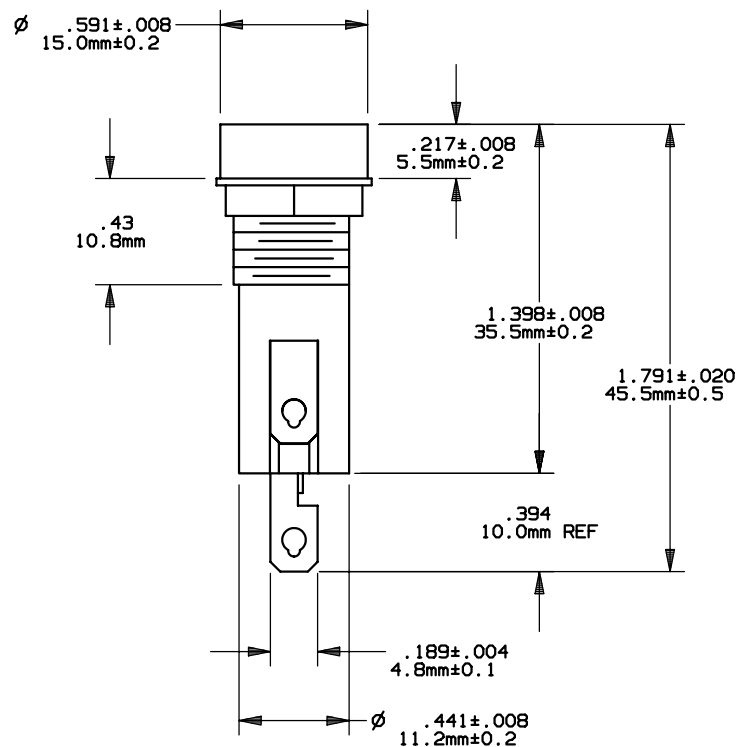
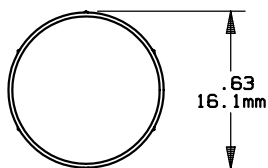
6.3A

250V

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701220

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLES

NOTE:

1. INSULATING BODY: UL94-V0 FLAME RETARDANT POLYCARBONATE

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A10

FUSE HOLDER 5X20mm

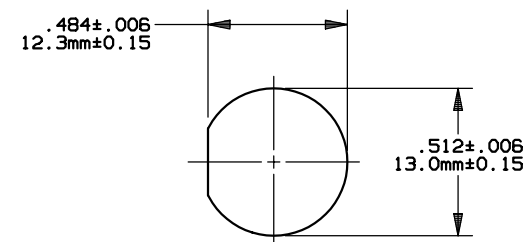
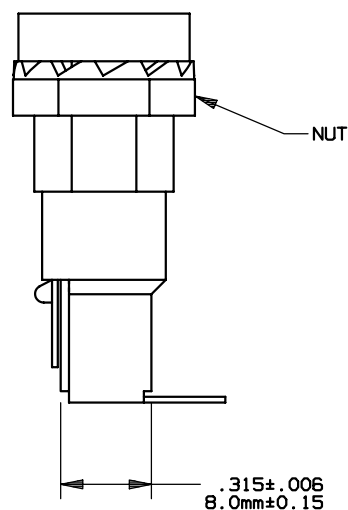
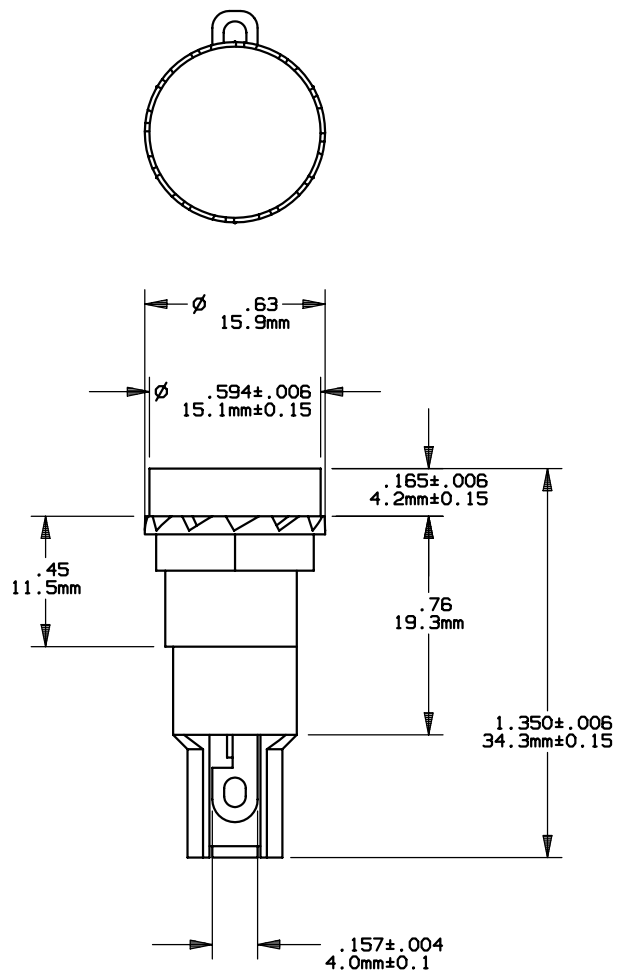
6.3A 250V 2.5W

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

701218

CONTROL No: 762

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-21-05	NA	INITIAL RELEASE	LDB	NA	NA



MOUNTING HOLE

NOTE:

1. INSULATING BODY: BAKELITE

Ferraz Shawmut

FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-A11

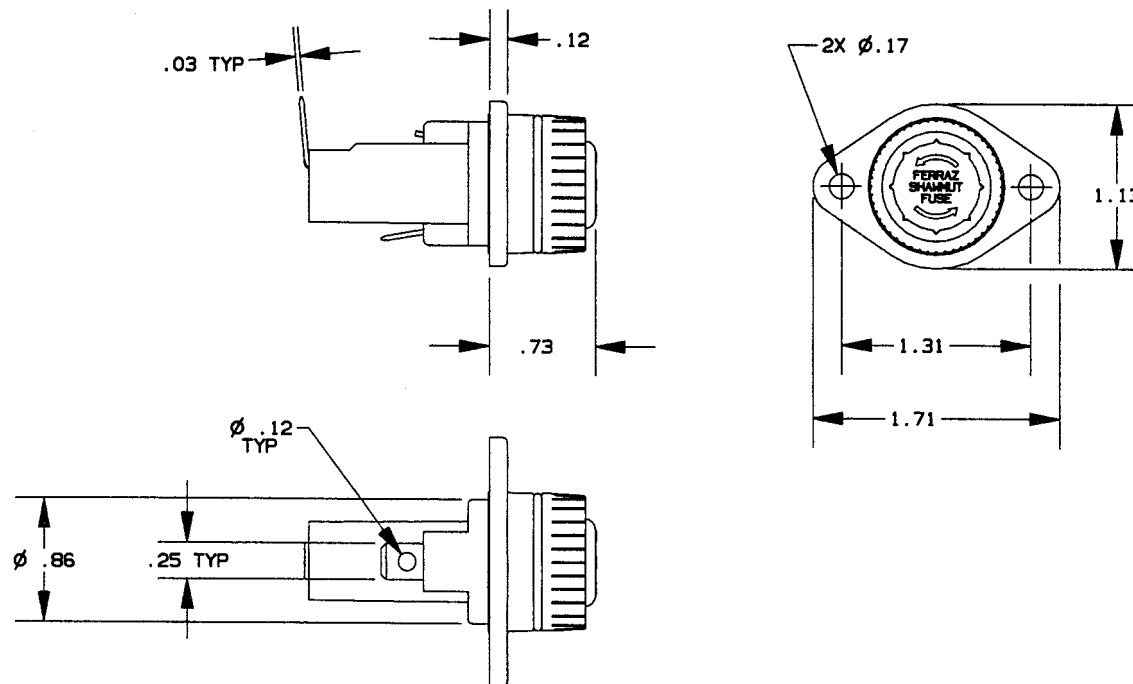
FUSE HOLDER 5X20mm

10A 250V

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701219

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	5/21/02	N/A	INITIAL RELEASE	LAS	N/A	N/A



P/N	CAP STYLE	TERMINAL TYPE	FUSE TYPE	RMS SYM RATING	UL		CSA	
					FILE NO.	GUIDE NO.	FILE NO.	CLASS
GPM-B90	1/4 TURN BAYONNET KNOB	1/4" QUICK-CONNECT/ SOLDER	MIDGET	100.000A	E52283	1ZLT2	32169	6225
GPM-S90	SCREW KNOB	1/4" QUICK-CONNECT/ SOLDER	MIDGET	100.000A	E52283	1ZLT2	32169	6225
GPM-WT90	WATER TIGHT SCREW KNOB	1/4" QUICK-CONNECT/ SOLDER	MIDGET	100.000A	E52283	1ZLT2	32169	6225
GPM-BRR90	1/4 TURN BAYONNET KNOB	1/4" QUICK-CONNECT/ SOLDER	CLASS CC	200.000A	E52283	1ZLT2	32169	6225
GPM-SRR90	SCREW KNOB	1/4" QUICK-CONNECT/ SOLDER	CLASS CC	200.000A	E52283	1ZLT2	32169	6225
GPM-WTR90	WATER TIGHT SCREW KNOB	1/4" QUICK-CONNECT/ SOLDER	CLASS CC	200.000A	E52283	1ZLT2	32169	6225

Ferraz Shawmut

 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

 SIGN: *Nickel Jln*
 DATE: 5-21-02

 SIGN: *Jrm*
 DATE: 5/21/02

 PANEL MOUNT
 FUSE HOLDER
 600V - 30A

 OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

700812

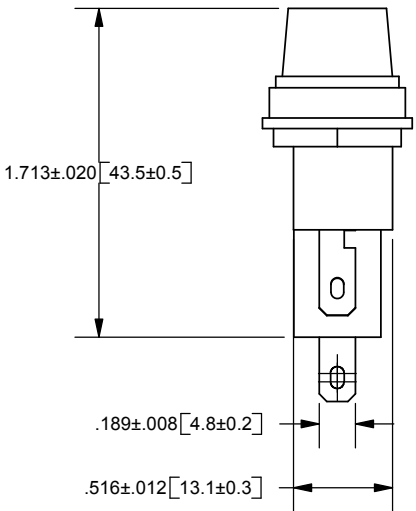
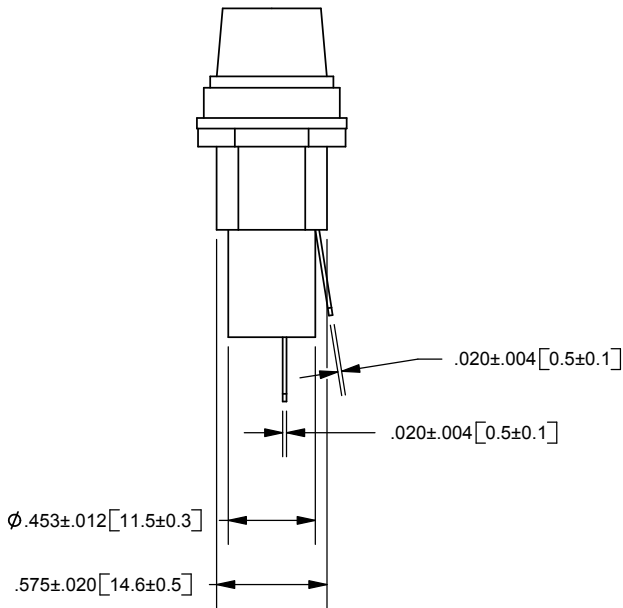
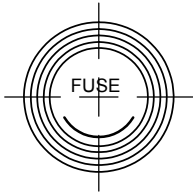
REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-25-05	NA	INITIAL RELEASE	LDB	NA	NA

NOTES:

1. FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm
AND 6.3X32mm FUSES UL&CSA APPROVED

SPECIFICATIONS:

- *ELECTRICAL: RATED AT 10A 250V AC
*INSULATING BODY: BAKELITE
*KNOB: FINGER-GRIP FUSE EXTRACTOR TYPE WITH NICKEL-PLATED
COPPER ALLOY INSERT. SPRING LOADED.
*TERMINALS: NICKLE-PLATED COPPER ALLOY, SOLDER TYPE.



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

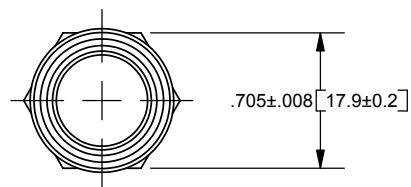
DATE:

GPM-G1
FUSE HOLDER
6.3X30mm and 6.3X32mm
10A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701221

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
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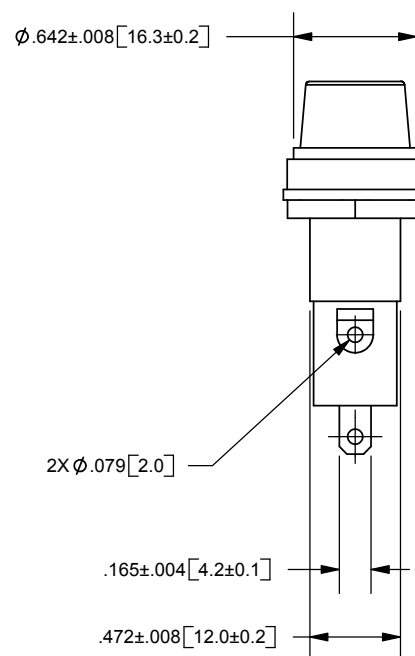
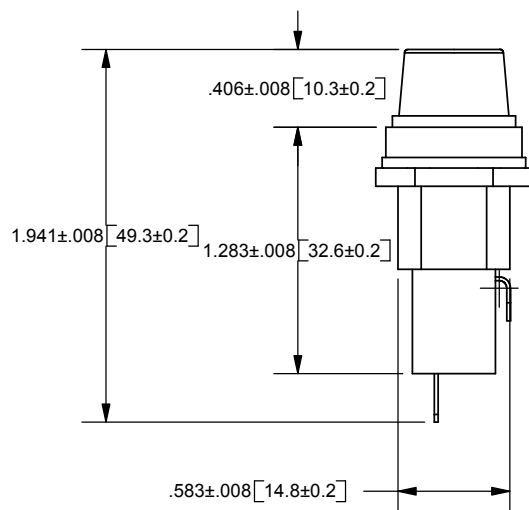


NOTES:

- FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm AND 6.3X32mm FUSES

SPECIFICATIONS:

- *ELECTRICAL: RATED AT 10A 250V AC
- *INSULATING BODY: BAKELITE
- *KNOB: FINGER-GRIP TYPE NICKEL-PLATED COPPER ALLOY INSERT.
- *TERMINALS: NICKEL-PLATED COPPER ALLOY, SOLDER TYPE.
- *BOTTOM CONTACT: WITH SPRING LOADED



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

SIGN:

DATE:

DESIGN ENGINEER

SIGN:

DATE:

GPM-G2

FUSEHOLDER
6.3X30mm and 6.3X32mm

10A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701222

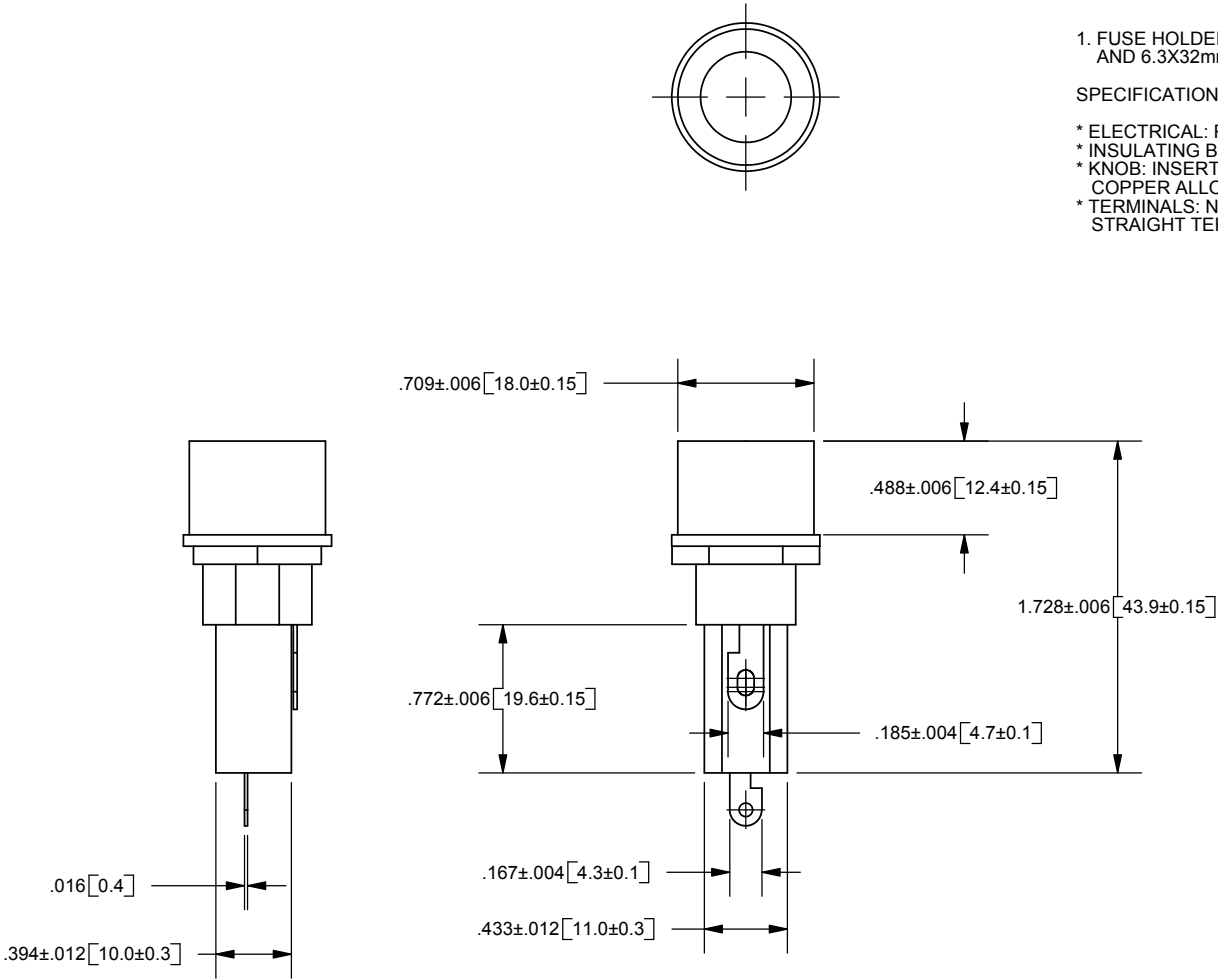
REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-25-05	NA	INITIAL RELEASE	LDB	NA	NA

NOTES:

1. FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm
AND 6.3X32mm FUSES UL & CSA APPROVED.

SPECIFICATIONS:

- * ELECTRICAL: RATED AT 10A 250V AC
- * INSULATING BODY: BAKELITE
- * KNOB: INSERT STYLE FUSE EXTRACTOR TYPE WITH NICKEL-PLATED
COPPER ALLOY INSERT. SPRING LOADED
- * TERMINALS: NICKEL-PLATED COPPER ALLOY, SOLDER TYPE.
STRAIGHT TERMINAL.



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

GPM-G3

FUSE HOLDER
6.3X30mm and 6.3X32mm

10A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701223

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

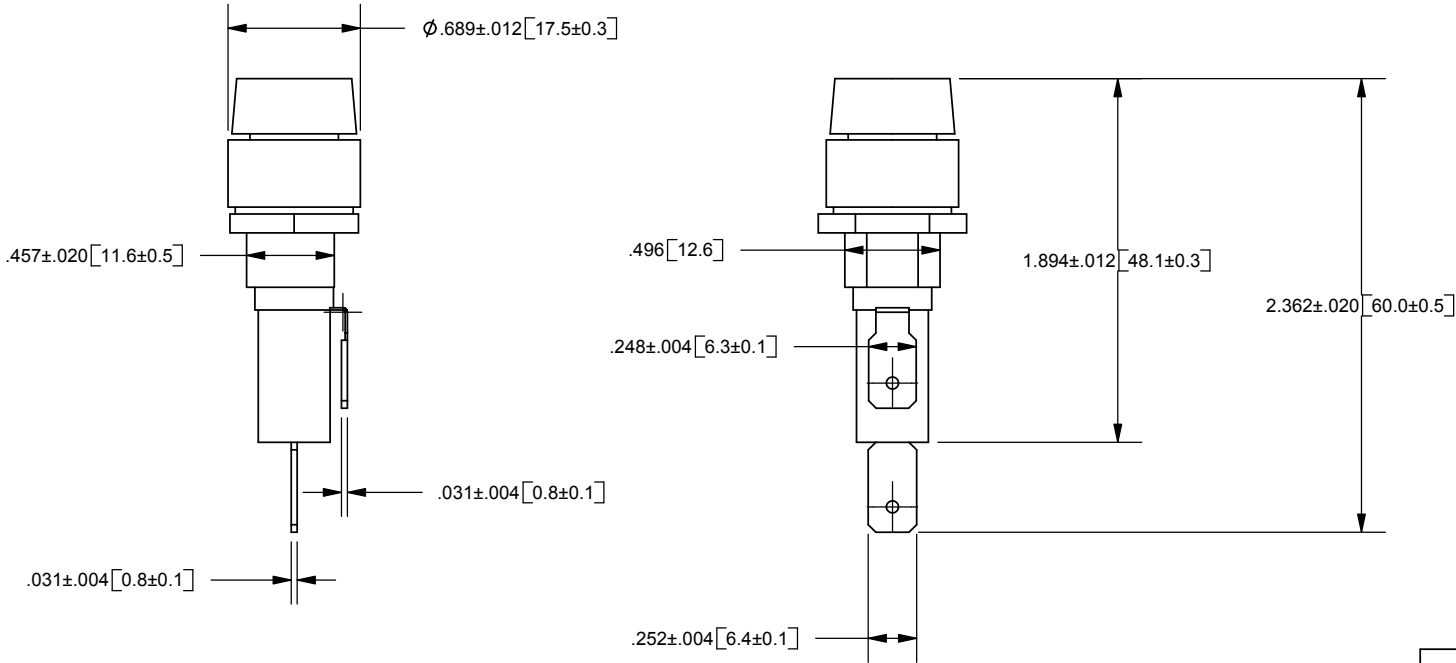
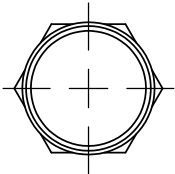
REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-25-05	NA	INITIAL RELEASE	LDB	NA	NA

NOTES:

FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm AND 6.3X32mm FUSES UL & CSA APPROVED.

SPECIFICATIONS:

- * ELECTRICAL: RATED AT 10A 250V AC
- * INSULATING BODY: BAKELITE
- * KNOB: INSERT STYLE FUSE EXTRACTOR TYPE WITH NICKEL-PLATED COPPER ALLOY INSERT. SPRING LOADED.
- * TERMINALS: NICKEL-PLATED COPPER ALLOY, SOLDER TYPE. STRAIGHT TERMINAL.



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-G5

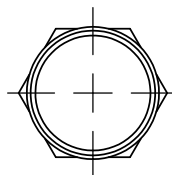
FUSEHOLDER
6.3X30mm and 6.3X32mm

10A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701225

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10/25/05	NA	INITIAL RELEASE	LDB	NA	NA

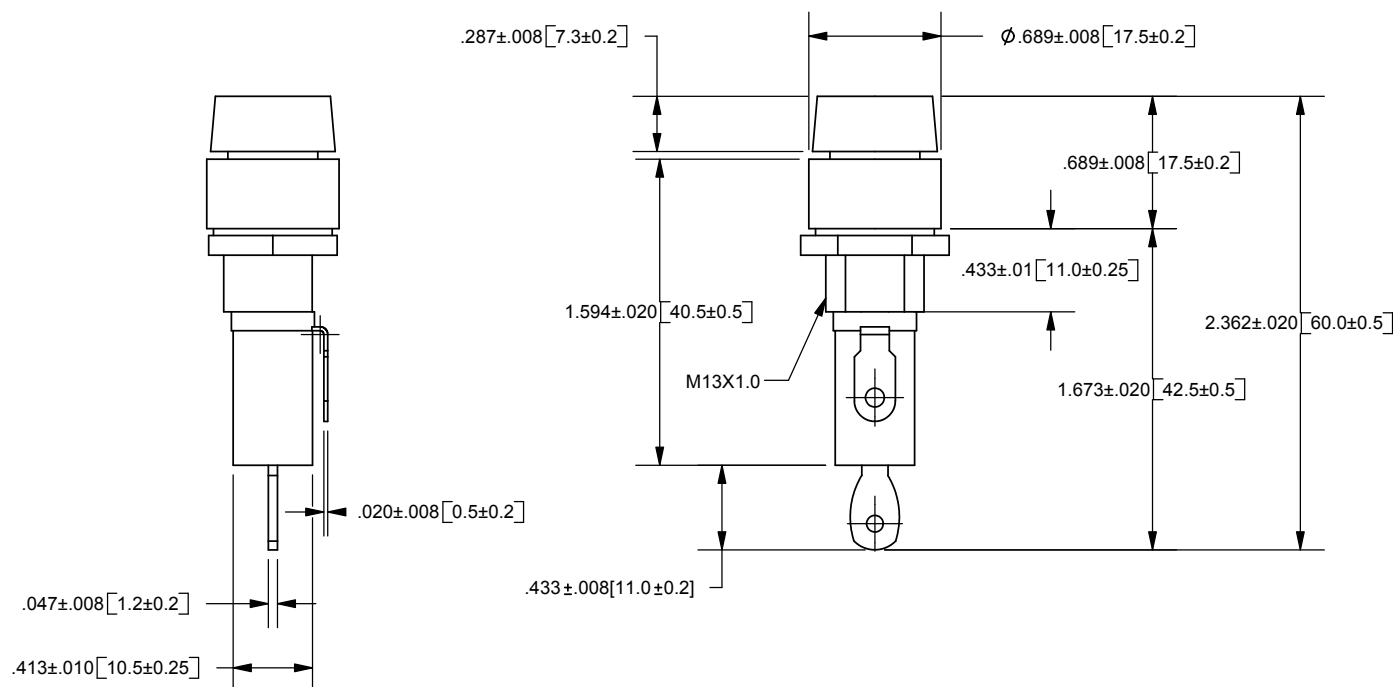


NOTES:

FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm
AND 6.3X32mm FUSES UL & CSA APPROVED

SPECIFICATIONS:

- * ELECTRICAL: RATED AT 10A 250V AC
- * INSULATING BODY: BAKELITE
- * KNOB: INSERT STYLE FUSE EXTRACTOR TYPE WITH NICKEL-PLATED COPPER ALLOY INSERT.
- * TERMINALS: NICKEL-PLATED COPPER ALLOY, STRAIGHT ANGLE, TERMINAL SOLDER TYPE.
- * APPROVALS: UL, CSA



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

GPM-G6

FUSEHOLDER
6.3X30mm and 6.3X32mm

10A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701226

SIGN: PRODUCT MANAGER

DATE:

SIGN: DESIGN ENGINEER

DATE:

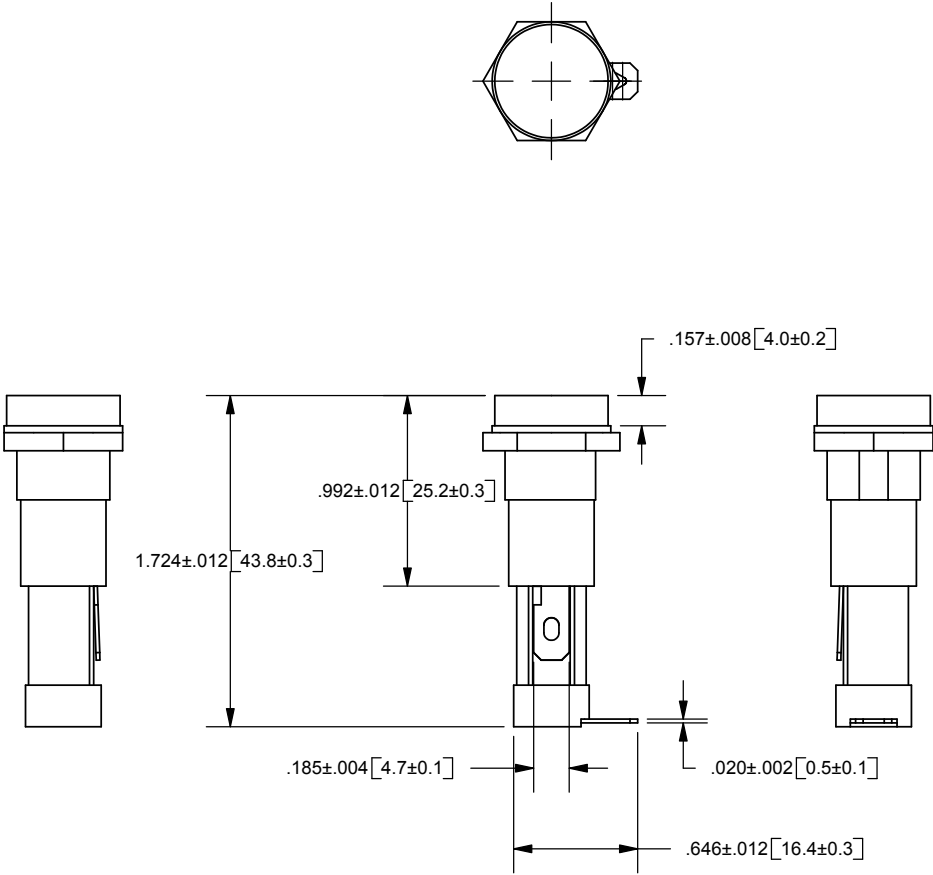
REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-25-05	NA	INITIAL RELEASE	LDB	NA	NA

NOTES:

FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm
AND 6.3X32mm FUSES UL & CSA APPROVED

SPECIFICATIONS:

- * ELECTRICAL: RATED AT 15A 250V AC
- * INSULATING BODY: BAKELITE
- * KNOB: SCREW-DRIVER SLOT EXTRACTOR TYPE WITH NICKEL-PLATED COPPER ALLOY INSERT. SPRING LOADED.
- * TERMINALS: NICKEL-PLATED COPPER ALLOY, SOLDER TYPE.



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-G7

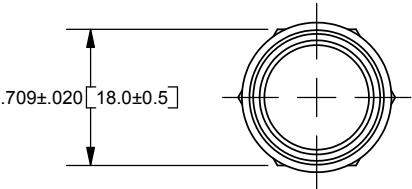
FUSEHOLDER
6.3X30mm and 6.3X32mm

15A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701227

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	10-25-05	NA	INITIAL RELEASE	LDB	NA	NA

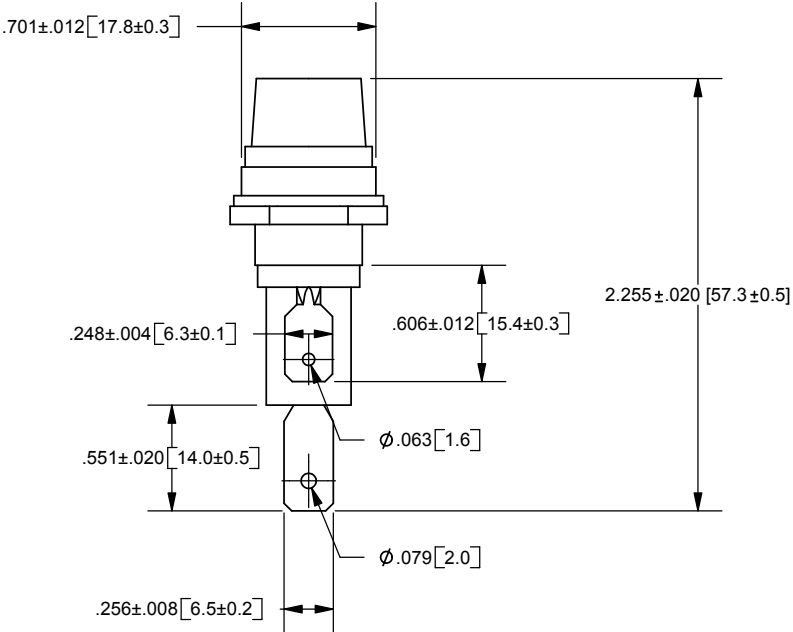
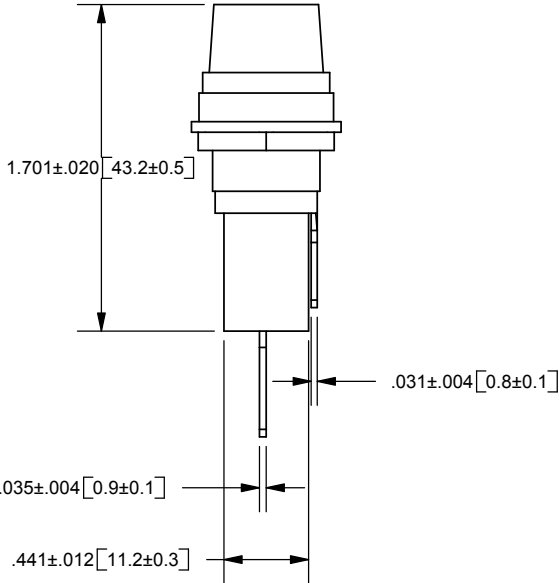


NOTES:

FUSE HOLDER PANEL MOUNT TYPE FOR 6.3X30mm
AND 6.3X32mm FUSES

SPECIFICATIONS:

- * ELECTRICAL: RATED AT 15A 250V AC
- * INSULATING BODY: BAKELITE
- * KNOB: SCREW-IN STYLE FUSE EXTRACTOR TYPE WITH NICKEL-PLATED COPPER ALLOY
- * BOTTOM CONTACT: WITH SPRING
- * TERMINALS: NICKEL-PLATED COPPER ALLOY, QUICK-CONNECT TYPE. THICKNESS: 0.8mm



DIMENSIONS IN [] ARE MILLIMETERS



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:

SIGN:

DATE:

DATE:

GPM-G8

FUSEHOLDER
6.3X30mm and 6.3X32mm

15A 250VAC

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701228

Miniature Fuses Single-Pole Fuse Blocks Modular Bases 6x32

A low profile fuse block featuring individual barriers which reinforce the fuse clips while providing greater protection against clip damage and electrical shock. The unique design permits self-alignment of clips to fuse cap. This, plus a one-piece clip/terminal assures low contact resistance. Higher current ratings have been attained using spring brass clips. With the exception of the two-pole unit, multiple pole units may be broken apart to obtain desired number of poles.



Specifications

- Dielectric Strength: 1500V, Minimum.
- Clip/Terminals: Tin-Plated Spring Brass.
- Base: Glass reinforced Thermoplastic. (Gray except Anti-Rotation series which is Black). UL 94V0 flammability rating.
- Ambient Temperature: -40°C to +85°C.



Approvals

Recognized under the Components Program of Underwriters Laboratories and Certified by CSA up to 300V and at current ratings shown below.

Series	Current Rating	
	U.L.	CSA
6X32000	30A	30A
6X32600	20A	20A
6X32800	20A	20A
6X32900	30A	25A
6X32101	15A	15A

Electrical Specifications

Series	Terminals	Rating
6x32000	Solder	30A, 300V*
6x32600	3/16" Q.C.	20A, 300V
6x32800	1/4" Q.C.	20A, 300V
6x32900	1/4" Q.C.	30A, 300V
6x32101	P.C. Board	15A, 300V

* 30A capability is based on temperature rise with $\approx$ 10 AWG wire property soldered.

Ordering Information:

CATALOG NUMBER				REFERENCE NUMBER				number OF POLES	REFERENCE DIMENSION "A"
Solder Type	nema style 3/16" QC Terminals	1/4" QC Terminals	nema style 1/4" QC Terminals	Solder Type	nema style 3/16" QC Terminals	1/4" QC Terminals	nema style 1/4" QC Terminals		
6X32001	6X32601	6X32801	6X32901	L225732	B225746	Q225759	E225772	1	.50"
6X32002	6X32602	6X32802	6X32902	M225733	C225747	R225760	F225773	2	1.12"
6X32003	6X32603	6X32803	6X32903	N225734	D225748	S225761	G225774	3	1.75"
6X32004	6X32604	6X32804	6X32904	P225735	E225749	T225762	H225775	4	2.38"
6X32005	6X32605	6X32805	6X32905	Q225736	F225750	V225763	J225776	5	3.00"
6X32006	6X32606	6X32806	6X32906	R225737	G225751	W225764	K225777	6	3.63"
6X32007	6X32607	6X32807	6X32907	S225738	H225752	X225765	L225778	7	4.25"
6X32008	6X32608	6X32808	6X32908	T225739	J225753	Y225766	M225779	8	4.88"
6X32009	6X32609	6X32809	6X32909	V225740	K225754	Z225767	N225780	9	5.50"
6X32010	6X32610	6X32810	6X32910	W225741	L225755	A225768	P225781	10	6.13"
6X32011	6X32611	6X32811	6X32911	X225742	M225756	B225769	Q225782	11	6.75"
6X32012	6X32612	6X32812	6X32912	Y225743	N225757	C225770	R225783	12	7.38"
6X32021*	6X32621*	6X32821	6X32921*	Z225744*	P225758*	D225771	S225784*	1	.50"
6X32101	-	-	-	A225745	-	-	-	1	.50"

* With anti-rotation boss

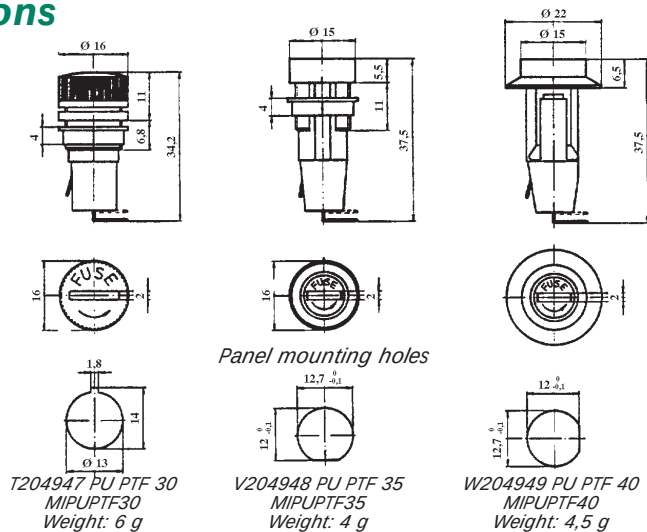
Miniature Fuses Panel Mount Fuseholders PU PTF



250 V AC 6,3A
SHOCK-SAFE FUSE HOLDER 5 x 20
PU PTF 30 - PU PTF 35 - PU PTF 40



Dimensions



PU PTF 30: non-certified

Main Characteristics

Electrical characteristics:

- Rated voltage : 250 V.
- Power dissipation : 2,5 W à 40° C.
- Rated current : 6,3A.
- Dielectric Strength : > 3 KV, 50 Hz, 1 min. dry.
- Contact resistance : < 5 mΩ.
- Insulation resistance : > 100 MΩ.

Mounting:

	PU PTF 30	PU PTF 35	PU PTF 40
Thickness panel :	1 to 3 mm	1 to 6 mm	0,8 to 2,5 mm
Tightening torque :	max. 1,2 N.m	max. 1,2 N.m	

Connections :

slip-on connectors type 2,8 thickness 0,5 mm can be soldered.

Material:

- Holder: Thermoplastics (PC) UL 94 V0, Black.
- Cover: Thermoplastics (PC) UL 94 V0, Black.
- Metal parts copper: Copper Alloy (CuZn37) corrosion protected (Ni+Sn).

Shock Safety: PC1 (IEC standard 127-6).

Packaging:

- 10 and 1000 pieces.

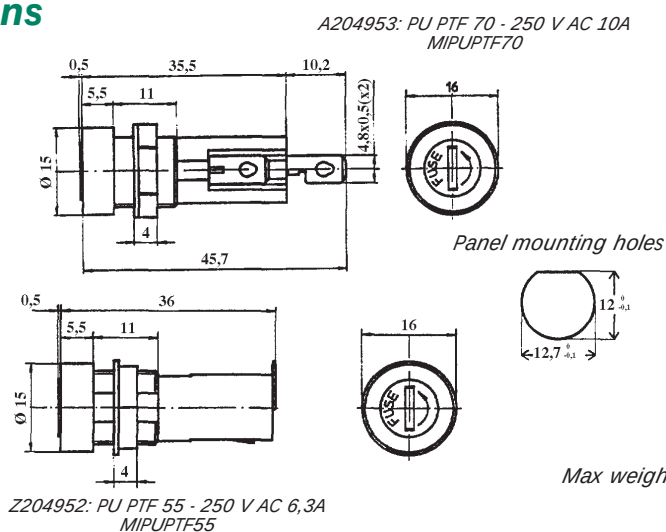


Miniature Fuses Panel Mount Fuseholders PU PTF



250 V AC 6,3A
SHOCK-SAFE FUSE HOLDER 5 x 20
PU PTF 70 - PU PTF 55

Dimensions



Main Characteristics

Electrical characteristics:

- Rated voltage: 250 V.
- Power dissipation: 2,5 W à 40° C.
- Rated current: 10A PU PTF 70 - 6,3A PU PTF 55
- Dielectric strength: > 3 KV, 50 Hz, 1 min. dry.
- Contact resistance: < 5 mΩ.
- Insulation resistance: > 100 MΩ.

Mounting:

Front panel thickness from 1 to 6 mm (punched hole : see drawing). Max. tightening torque : 1,2 N.m

Connections:

Slip-on connectors type 4,8 for PU PTF 70 and 2,8 for PU PTF 55, thickness 0,5 mm can be soldered.

Material:

- Holder: Thermoplastics (PBT) UL 94 V0, Black.
- Cover: Thermoplastics (PBT) UL 94 V0, Black.
- Metal parts: Copper Alloy (CuZn37) corrosion protected (Ni+Sn).

Shock Safety:

- PC1 (IEC standard 127-6).

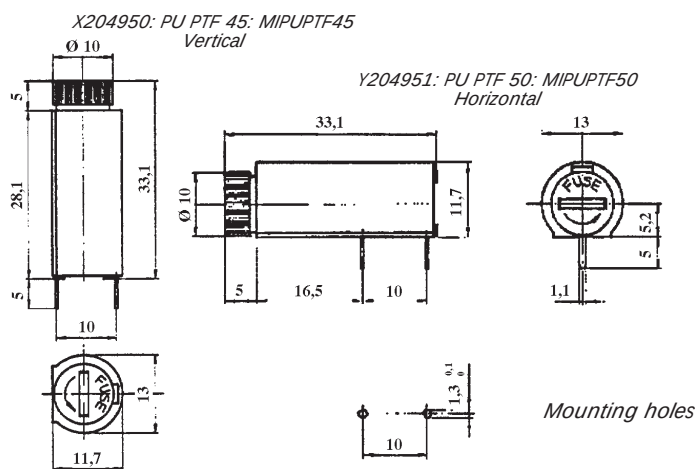
Packaging:

- 10 and 1000 pieces

Miniature Fuses Panel Mount Fuseholders PU PTF

250 V AC 6,3A
SHOCK-SAFE FUSE HOLDER 5 x 20
PU PTF 45 - PU PTF 50
Printed circuit board mounting.
Bayonet cover.

Dimensions



Max weight: PU PTF 45 : 5 g
PU PTF 50 : 5 g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250 V.
- Power dissipation: 2,5 W à 40° C.
- Rated current : 6,3A.
- Dielectric strength: > 3 KV, 50 Hz, 1 min. dry.
- Contact resistance: < 5 mΩ.
- Insulation resistance: > 100 MΩ.

Mounting & Connections:

- Printed circuit board, vertical (PU PTF 45) or horizontal (PU PTF 50) mount.
- Soldering pins 0,5 x 1,1 mm. Solderability in accordance with IEC 68-2-2.

Material:

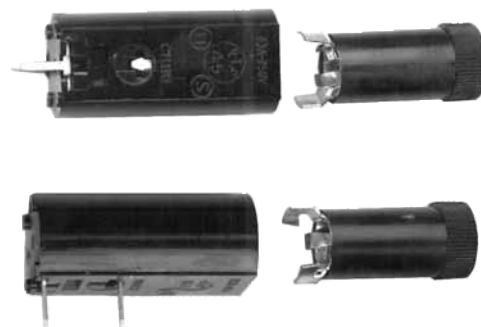
- Holder: Thermoplastics (PC) UL 94 V0, Black.
- Cover: Thermoplastics (PBT) UL 94 V0, Black.
- Metal parts: Copper Alloy (CuZn37) corrosion protected (Ni+Sn).

Shock Safety:

- PC1 (IEC standard 127-6).

Packaging:

- 10 and 1000 pieces.



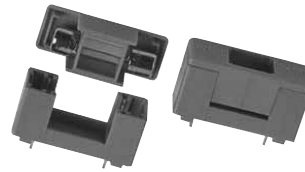
Miniature Fuses Single-Pole Fuse Blocks SI PTF



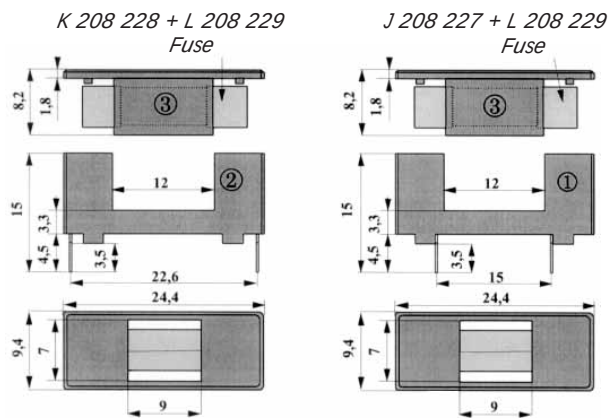
250 V AC 6,3 A

Fuse-base for 5 x 20 Fuses

SI PTF 76 - 78 and CPT BS PTF 76/78



Dimensions



Max weight : Base: ① SI PTF 76 réf.: J 208 227 - Cat N° MISIPTF76: 1,5 g – ② SI PTF 78 réf.: K 208 228 - Cat N° MISIPTF78: 1,5 g
Hood: ③ CPT BS 76/78 réf.: L 208 229 - Cat N° MICPTBSPTF76-78: 0,5 g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250V.
- Power dissipation: 1,6W à 40°C.
- Rated current approved : 6,3A.
- Dielectric Strength: > 3KV, 50Hz, 1 min dry.
- Contact resistance: < 5mΩ.
- Impulse withstand voltage: > 6KV (1,2/50μs).

Mounting:

Soldering pins (According. IEC 68-2-20).

Material:

- Holder and Hood: Thermoplastic (polyamide PA6,8) UL 94 V0, Green.
- Metal parts: Copper Alloy (CuZn37H30) corrosion protected (2μm Ni + 5μm Sn).

Packaging:

- 10 and 1000 pieces.

Miniature Fuses Single-Pole Fuse Blocks SI PTF



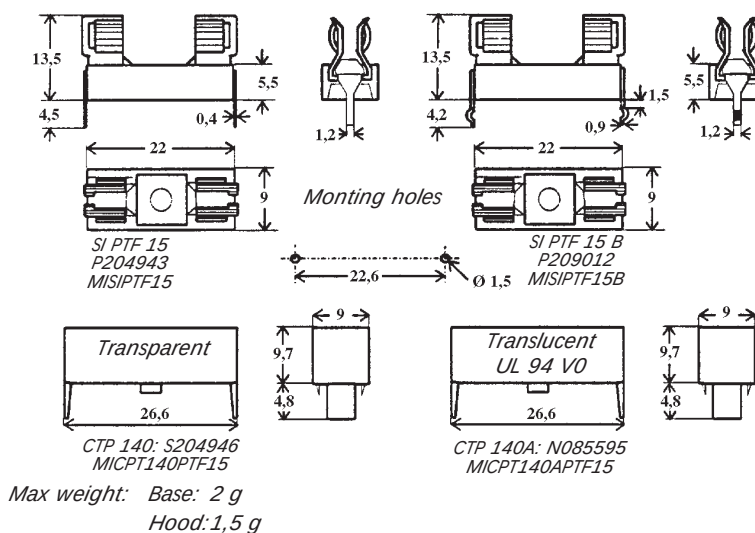
250 V AC 6,3 A

Fuse-base for 5 x 20 Fuses

SI PTF 15 - 15B and CPT 140-140A

Printed circuit board

Dimensions



Main Characteristics

Electrical characteristics:

- Rated voltage: 250V.
- Power dissipation: 1,6W à 40°C.
- Rated current approved : 6,3A.
- Dielectric Strength: > 3KV, 50Hz, 1 min dry.
- Contact resistance: < 5mΩ.
- Insulation resistance:> 100mΩ.

Mounting:

- Soldering pins (According. IEC 68-2-20).
- P.C.B. mounting hole: Ø 1,5mm.

Material:

- Holder: Thermoplastics (PPOM° UL 94 V1, Beige).
- Cover: Thermoplastics transparent (CPT 140 SAM) (CPT 140A PC UL 94 V0).
- Metal parts copper: Copper Alloy (CuZn37H30) corrosion (Ni+Sn).

Shock Safety:

- PC1 (IEC standards 127-6).

Packaging:

- 10 and 1000 pieces.

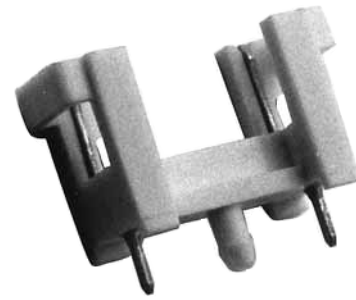
Miniature Fuses Single-Pole Fuse Blocks SI PTF

250 V AC 6,3 A

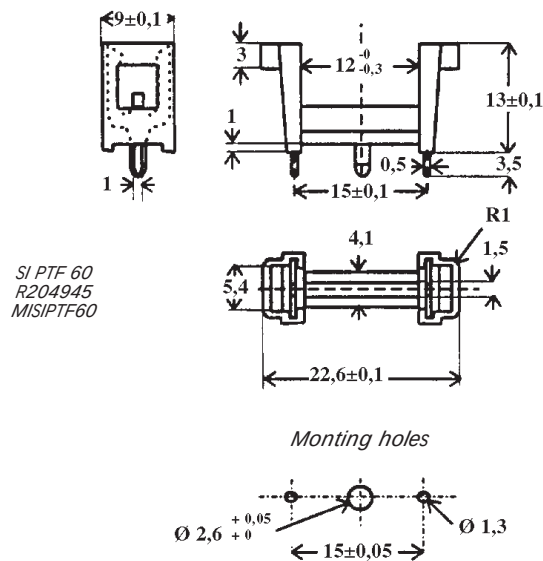
Fuse-base for 5 x 20 Fuses

SI PTF 60

Printed circuit board for automatic equipment



Dimensions



Max weight: 1,3 g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250 V.
- Power dissipation: 1,6 W à 40° C.
- Rated current approved: 6,3A.
- Dielectric Strength: > 3 KV, 50 Hz, 1 min. dry.
- Contact resistance: < 5 mΩ.
- Insulation resistance: > 100 MΩ.

Mounting:

Soldering pins (According IEC 68-2-20). P.C.B. mounting hole : 2 x Ø 1,3 mm and 1 x Ø 2,6 mm.

Material:

- Holder: Thermoplastics (PBT) UL 94 V0, White.
- Metal parts copper : Copper Alloy (CuSn7) corrosion protected (Sn).

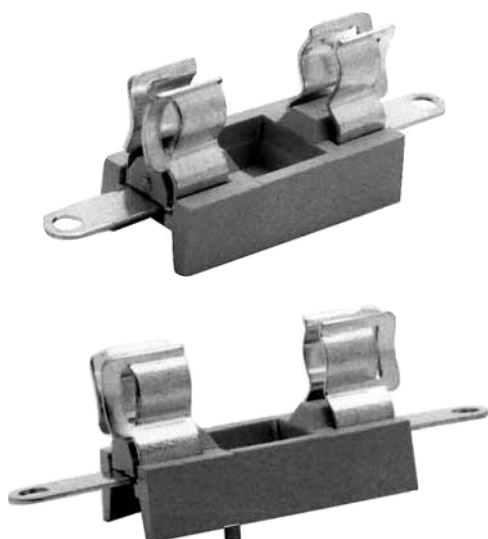
Shock Safety:

PC1 (IEC standard 127-6).

Packaging:

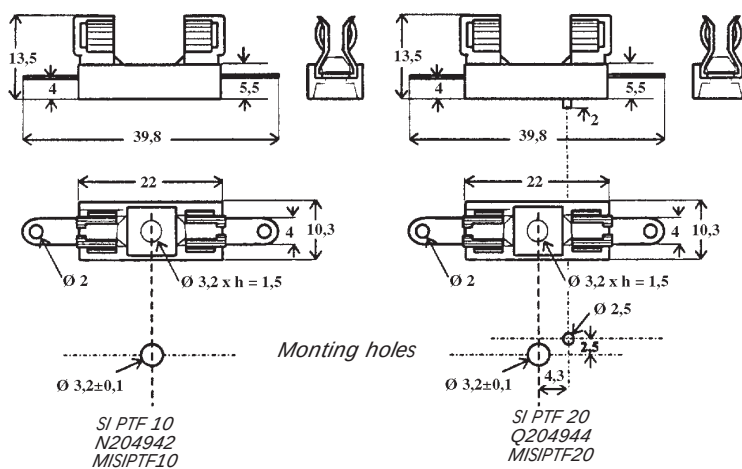
- 10 and 1000 pieces.

Miniature Fuses Single-Pole Fuse Blocks SI PTF



250 V AC 6,3 A
Fuse-base for 5 x 20 Fuses
SI PTF 10 - SI PTF 20
For screw mounting

Dimensions



Max weight : 2,2 g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250 V.
- Power dissipation: 1,6 W à 40° C.
- Rated current approved: 6,3 A.
- Dielectric Strength: > 3 KV, 50 Hz, 1 min. dry.
- Contact resistance: < 5 mΩ.
- Insulation resistance: > 100 MΩ.

Mounting:

- Screwed M3.
- Mounting hole : Ø 3,3 mm.

Material:

- Holder: Thermoplastics (PPOM) UL 94 V1, Beige.
- Metal parts: Copper Alloy (CuZn37H30) corrosion protected (Ni+Sn).

Shock Safety:

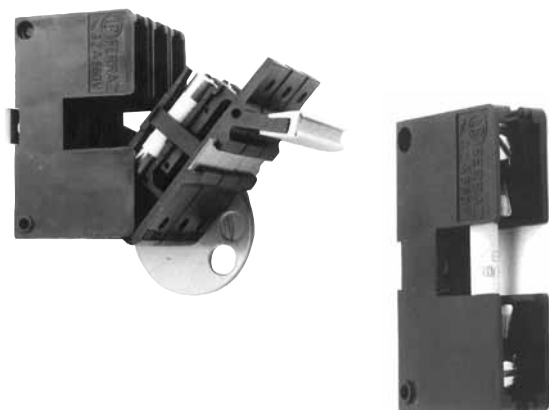
- PC1 (IEC standard 127-6).

Packaging:

- 10 and 1000 pieces.



Miniature Fuses Fuse Holders and Disconnectors SI 6.32



For Ferrule-type Fuses 6.3x32

- COMPLIANCE WITH IEC 947-3.
- MOUNTING ON SYMMETRICAL OR ASYMMETRICAL 35 mm DIN-RAIL.
- PROTECTION AGAINST TOUCHING OF LIVE PARTS.
- PROTECTION DEGREE: IP 2X FOR DISCONNECTORS (WHEN DEVICE IS CONNECTED AND CLOSED)
- SILVER-PLATED CLIPS WITH ELASTIC CLAMPING.
- SELF-EXTINGUISHING MATERIAL V0-CLASS AS PER UL94.
- PADLOCKING DEVICE, BLOWN FUSE INDICATION THROUGH L.E.D ON REQUEST.
- SALT SPRAY-PROOF VERSION AVAILABLE ON REQUEST.

Main Characteristics

Insulation voltage: 690 V

Rated conventional current I_{th} : 32 A

Permissible max. power: 3,5 W

Impulse withstand voltage U_{imp} : 8 kV

Overload current limitation:

- Fuseholders without grip with FERRAZ SHAWMUT fuses: No limitation
- Disconnector with FERRAZ SHAWMUT fuse rated ≤ 10 A: No limitation
- Disconnector with FERRAZ SHAWMUT fuse rated > 10 A: Clearing of overloads longer than 200 s by another protection device (thermal relay or other)

Operation class: AC 20 B

Short-circuit withstand current with Ferraz Shawmut fuses: I_c maxi = 4,7 kA.

Power frequency withstand voltage: 2.5 Kv, 50 Hz during 1 min.

Connections:

CC type: Screw clamp terminals for copper cables with 10 mm² max. section.

LL type : 6.3 mm clips.

LC type : Upstream clips and downstream screw clamp terminals.

- Recommended tightening torque for clamp terminals: 1.2 Nm to 1.4 Nm.

- Maximum tightening torque for holders: 1.5 to 2 Nm.

Blown fuse indication auxiliary contact:

- Factory mounted and operating only with a 6.3x32 fuse with trip-indicator

	Non inductive load			Inductive load $\cos \varphi=0.6$ or $L/R=2.5$ ms		
	30 V	110 V	250 V	30 V	110 V	250 V
AC interrupting rating		5 A	5 A		5 A	5 A
DC interrupting rating	4 A	0.4 A		2 A	0.4 A	

- Minimum voltage-current for a certain operating: 24 V 10 mA
- Connection: Soldering or 2.8 mm clips

Blown-fuse LED indication:

- In-factory mounted . DC: 1 LED with polarization + 1 LED with upstream terminal; AC: 2 LEDs.
- Maximum operating voltage according to models: up to 250 V (AC and DC)
- Current after fuse blowing : 1.7 mA to 6 mA.

Miniature Fuses Fuse Holders and Disconnectors SI 6.32

For Ferrule-type Fuses 6.3x32

Holders without grip



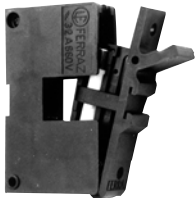
Ref. Number	Designation	Connecting	Catalog Number
M091482	SI 6.32 CC	Screw clamp	MIS1CC6
Z091746	SI 6.32 LL	6.3 mm clips.	MIS1LL6
J091939	SI 6.32 LC	Upstream clips and downstream screw clamp	MIS1LC6

No protection against live terminals and fuse touching.

Mounting: Directly screwed on base or snapped on DIN-rail an adaptation (refer to accessories).

Packaging: 10 pieces - Weight: 30g

Disconnectors with or without interlocking



Without locking



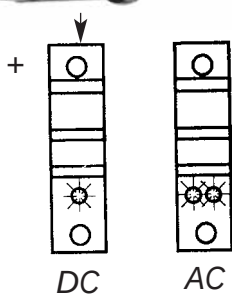
With locking grip

Ref. Number	Designation	Connecting	Catalog Number
N091483	SI 6.32 CC PRE	Screw clamp	MIS1C6P
M091942	SI 6.32 PRE V	Screw clamp with lock	MIS1C6PV
G082990	SI 6.32 CC PRE BS M	Screw clamp	MIS1C6PBSMC
E091728	SI 6.32 LL PRE	6.3 mm clips	MIS1LL6P
Q091945	SI 6.32 LL PRE V	6.3 mm clips with locking	MIS1LL6PV
R091946	SI 6.32 LC PRE	Upstream clips and downstream screw clamp	MIS1LC6P
W091973	SI 6.32 LC PRE V	Upstr. clips and downstr. screw clamp with locking	MIS1LC6PV

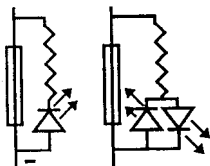
Mounting : Directly screwed on base or snapped on DIN-rail an adaptation (refer to accessories).

Packaging: 10 pieces - Weight: 40g

Disconnectors with led indication



Schéma



Ref. Number	Designation	Connecting	Max voltage of the circuit	Catalog Number
F091982	SI 6.32 CC PRE D 30	Screw clamp	30V DC Upstream terminal at plus	MIS1C6PD3
Q092014	SI 6.32 LL PRE D 30	6.3 mm clips		MIS1LL6PD3
A092046	SI 6.32 LC PRE D 30	Clip upstr./Clamp downstr.		MIS1LC6PD3
G091983	SI 6.32 CC PRE D 50	Screw clamp	50V DC Upstream terminal at plus	MIS1C6PD5
W092019	SI 6.32 LL PRE D 50	6.3 mm clips		MIS1LL6PD5
B092047	SI 6.32 LC PRE D 50	Clip upstr./Clamp downstr.		MIS1LC6PD5
A091954	SI 6.32 CC PRE D 125	Screw clamp	125V DC Upstream terminal at plus	MIS1C6PD12,5
S092016	SI 6.32 LL PRE D 125	6.3 mm clips		MIS1LL6PD12,5
C092048	SI 6.32 LC PRE D 125	Clip upstr./Clamp downstr.		MIS1LC6PD12,5
J091985	SI 6.32 CC PRE D 250	Screw clamp	250V DC Upstream terminal at plus	MIS1C6PD25
T092017	SI 6.32 LL PRE D 250	6.3 mm clips		MIS1LL6PD25
D092049	SI 6.32 LC PRE D 250	Clip upstr./Clamp downstr.		MIS1LC6PD25
K091986	SI 6.32 CC PRE 2D 30	Screw clamp	30V AC	MIS1C6PD23
V092018	SI 6.32 LL PRE 2D 30	6.3 mm clips		MIS1LL6PD23
E092050	SI 6.32 LC PRE 2D 30	Clip upstr./Clamp downstr.		MIS1LC6PD23
L091987	SI 6.32 CC PRE 2D 50	Screw clamp	50V AC	MIS1C6PD25
R092015	SI 6.32 LL PRE 2D 50	6.3 mm clips		MIS1LL6PD25
F092051	SI 6.32 LC PRE 2D 125	Clip upstr./Clamp downstr.		MIS1LC6PD25
M091988	SI 6.32 CC PRE 2D 125	Screw clamp	125V AC	MIS1C6PD12,5
X092020	SI 6.32 LL PRE 2D 125	6.3 mm clips		MIS1LL6PD12,5
G092052	SI 6.32 LC PRE 2D 125	Clip upstr./Clamp downstr.		MIS1LC6PD12,5
N091989	SI 6.32 CC PRE 2D 250	Screw clamp	250V AC	MIS1C6PD25
Y092021	SI 6.32 LL PRE 2D 250	6.3 mm clips		MIS1LL6PD25
H092053	SI 6.32 LC PRE 2D 250	Clip upstr./Clamp downstr.		MIS1LC6PD25

Mounting : Directly screwed on base or snapped on DIN-rail an adaptation (refer to accessories).

Packaging: 5 pieces - Weight: 40g



Miniature Fuses Fuse Holders and Disconnectors SI 6.32



Disconnectors with auxilliary contact indication



Ref. Number	Designation	Connecting	Catalog Number
T092109	SI 6.32 LL PRE+MC 2,5	6.3 mm clip.	MIS1LL6PMC
P092335	SI 6.32 LC PRE+MC 2,5	Upstream clips and downstream screw clamp	MIS1LC6PMC

Impossible for SI 6.32 CC PRE type disconnector.

Mounting: Directly screwed on base or snapped on DIN-rail an adaptation (refer to accessories).

Packaging: 5 pieces - Weight: 45g

Disconnectors with neutral dummy fuses



Ref. Number	Designation	Connecting	Catalog Number
W092088	SI 6.32 CC PRE + Neutre	Screw clamp	MIS1C6P+N
X092089	SI 6.32 LL PRE + Neutre	6.3 mm clip	MIS1LL6P+N
X085879	SI 6.32 LC PRE + Neutre	Upstream clips and downstream screw clamp	MIS1LC6P+N

Mounting: Directly screwed on base or snapped on DIN-rail adaptation (refer to accessories).

* 6 x 32 neutral dummy fuse Ref. Number : H 047594.

Packaging: 10 pieces - Weight: 45g

Accessories

Coupling strips for 2, 3 and 4-pole model mounting

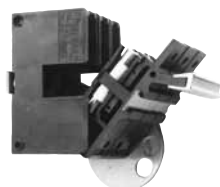


Ref. Number	Designation	Catalog Number
F091867	PROFILE SII 6 X 32 PRE	PROFILE2SI6P
G091868	PROFILE SIII 6 X 32 PRE	PROFILE3SI6P
H091869	PROFILE SIV 6 X 32 PRE	PROFILE4SI6P

Mounting : For slipping on grips. Marking can be slipped on the strip.

Packaging: 10 pieces - Weight: 2,5g

Off-position padlocking devices for 1, 2, 3 and 4-pole models



Ref. Number	Designation	Catalog Number
B092070	DISPOSITIF CAD SI 6 X 32 PRE	MICADSI6P

Only one device to be cut according to the number of poles (pre-cut in factory).

Padlocking in off-position by 3 dia. 8mm padlocks.

Packaging: 5 pieces - Weight: 38g

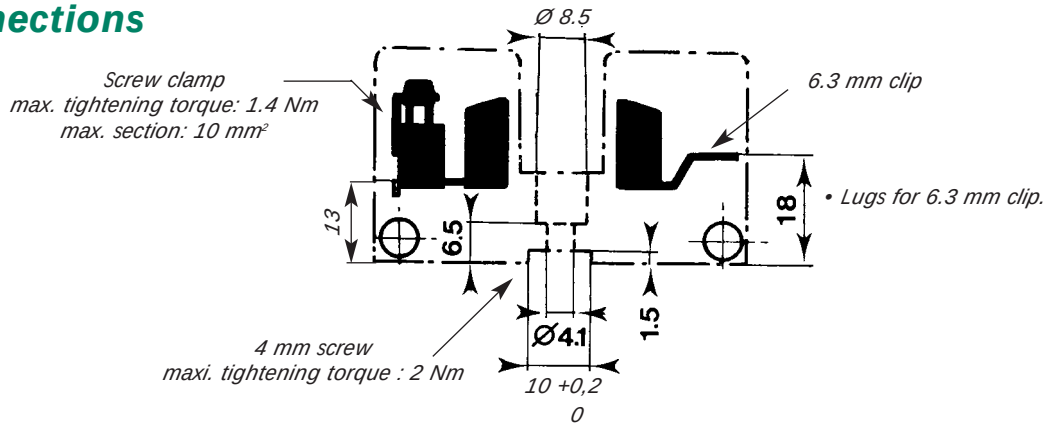
Fixing adapters for DIN-rail mounting

	Rail type	Ref. Number	Designation	Packaging	Weight	Catalog number
	DIN symmetrical EN 50022	B092093	FIXOMEGA FM4	10	1,5g	MIFIXOMEGAFM4
	DIN asymmetrical EN 50035	K097046	EF 46	10 and 100	4g	-

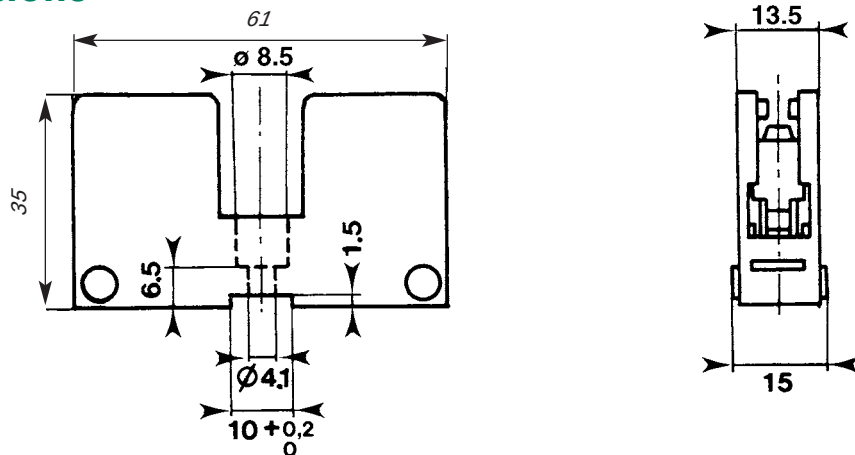


Miniature Fuses Fuse Holders and Disconnectors SI 6.32

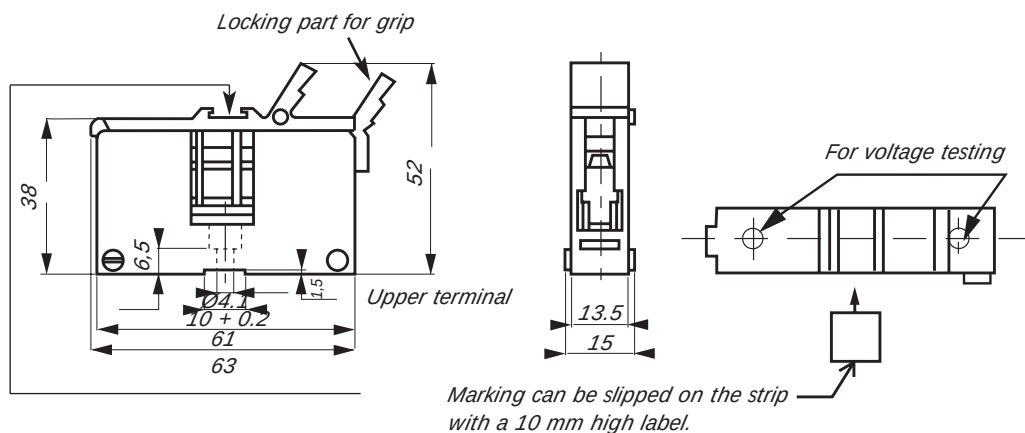
Connections



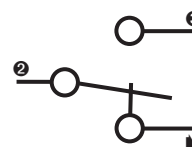
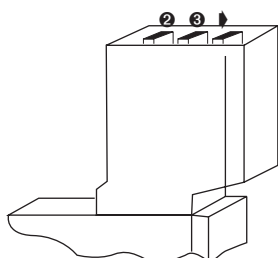
Holder dimensions



Disconnector dimensions



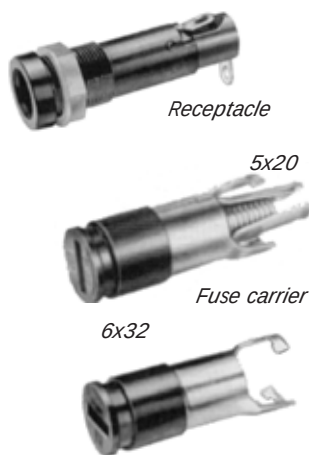
Connecting auxilliary blown-fuse microswitch



Connection:
Soldering or 2.8 mm clips

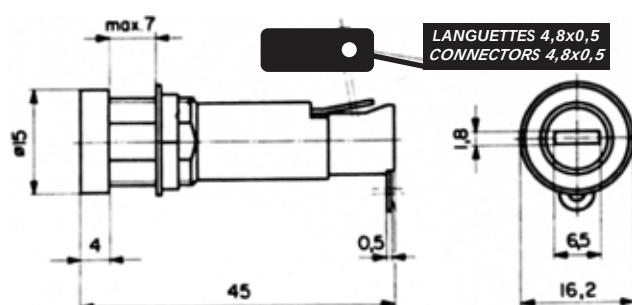


Miniature Fuses Panel Mount Fuseholders PU

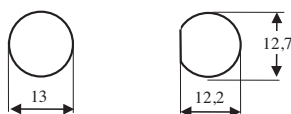


As per standards: IEC 127-6, UL512, IEC257.

Dimensions



Panel mounting hole



Max weight :

Receptacle:

T 210 536 : 5g

Fuse carrier:

5x20 X 210 539 : 2,5g

6x32 Y 210 540 : 2,5g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250V.
- Admissible fuse power dissipation: 5X20 fuses 4W ;6x32 fuses 4W at 23°C.
- Rated current approved: 10A according to IEC 127 and 16A according to UL.
- Dielectric strength: 4KV, 50Hz, 1min dry.
- Protection class: PC2 according IEC 127 or IP 40 according EN 60 529.
- Allowable ambient air temperatures T_a for accessible parts : -25°C to +85°C (Derating admissible power acceptance)
- Contact resistance: 5mΩ.
- Isulation resistance (500VDC/1min) : > 100MΩ.

Mounting:

Front panel mounting. Torque/Fixing nut : max. 1,2 Nm
Slip-on connectors type 4,8mm X 0,5mm, can be soldered

Fuse carrier:

with bayonet fixing, screwdriver slot.
5x20 X210539 - Cat n° MIBH5PUS-6
6x32 Y210540 - Cat n° MIBH6PUS-6

Receptacle:

T210536 - Cat n° MIPUP5-6L

Packaging:

10 and 100 pieces.

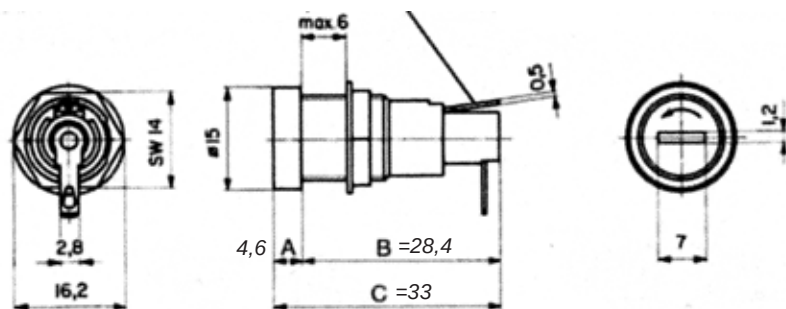
Miniature Fuses Panel Mount Fuseholders PU

250V AC 10A IP65
For 5X20 Fuses
PU 5x20 IP65 COMPLET

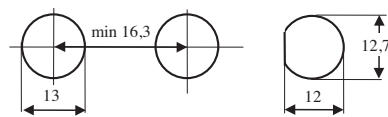


As per standards: IEC 127-6, UL512, IEC257.

Dimensions



Panel mounting hole



Max weight: Receptacle & Fuse carrier F 210 547: 5g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250V.
- Admissible fuse power dissipation: 2,5W à 23°C.
- Rated current approved: 6,3A according to IEC 127 and 10A as per UL.
- Dielectric strength: 4KV, 50Hz, 1min dry.
- Protection class: PC2 according IEC 127 or IP 65 according EN 60 529.
- Allowable ambient air temperatures for accessible parts: -25°C to +85°C (Derating admissible power acceptance)
- Contact resistance: 5mΩ.
- Isulation resistance (500VDC/1min): > 100MΩ

Mounting:

Front panel mounting. Torque/Fixing nut: max. 1,2 Nm.
Slip-on connectors type 2,8mm X 0,5mm, can be soldered.

Fuse carrier:

screw type, screwdriver slot, torque 0,35NNm.

Receptacle & fuse carrier:

F210547 - Cat n°: MIPU5IP65 COMPL



Fuse carrier 6x32



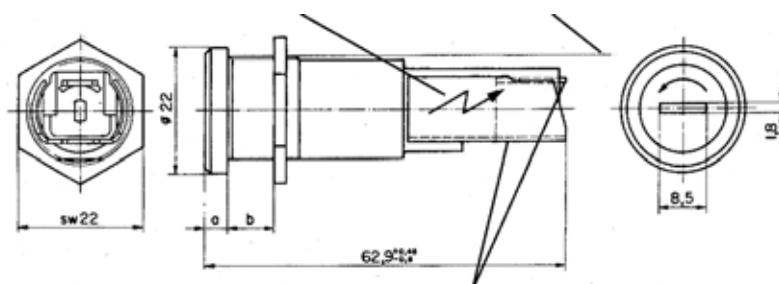
Fuse carrier 5x20

As per standards: IEC 127-6, UL512, IEC257.

Miniature Fuses Panel Mount Fuseholders PU

250V AC 16A IP67
For 5X20 and 6X32 Fuses

Dimensions



Panel mounting hole

Max weight: Receptacle: A 210 542 : 10g
Fuse carrier 5x20 C 210 544 : 2,5g
6x32 E 210 546 : 2,5g

Main Characteristics

Electrical characteristics:

- Rated voltage : 250V.
- Admissible fuse power dissipation : 4W à 23°C.
- Rated current approved : 16A according to IEC 127 and 30A according to UL.
- Dielectric strength : 4KV, 50Hz, 1min dry.
- Protection class : PC2 according IEC 127 or IP 67 according EN 60 529.
- Allowable ambient air temperatures T_a for accessible parts : -25°C to +85°C (Derating admissible power acceptance)
- Contact resistance : 3,5mΩ.
- Isulation resistance (500VDC/1min) : > 100MΩ

Mounting:

Front panel mounting. Torque/Fixing nut : max. 2.4 Nm.
Slip-on connectors type 6.3mm X 0.8mm, can be soldered.
Cross-section 6mm≈.

Fuse carrier: screw type, screwdriver slot.

5x20 C210544 - Cat N° MIBH5PU5-6IP67

6x32 E210546 - Cat N° MIBH6PU5-6IP67

Receptacle:

A210542 - Cat N° MIPU5-6IP67

Packaging:

- 10 and 100 pieces.

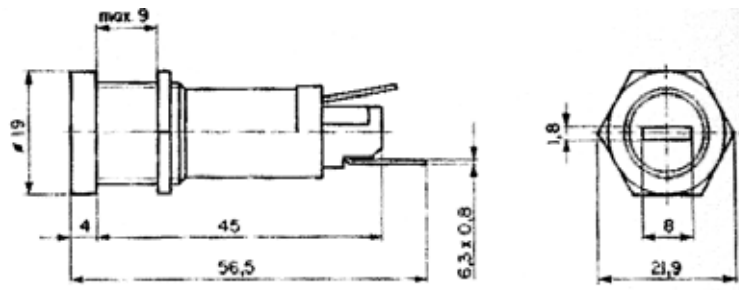
Miniature Fuses Panel Mount Fuseholders PU

500V AC 10A
For 5X20 and 6X32 Fuses
PU 500V 5-6 à languettes



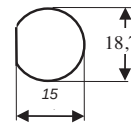
As per standards: IEC 127-6, UL512, IEC257.

Dimensions



Panel mounting hole

Max weight : Receptacle Z210541 : 5g
Fuse carrier 5x20 B210543 : 2,5g
6x32 D210545 : 2,1g



Main Characteristics

Electrical characteristics:

- Rated voltage: 500V.
- Admissible fuse power dissipation: 4W à 23°C.
- Rated current approved: 10A as per IEC 127 and 20A as per UL.
- Dielectric strengt: 4KV, 50Hz, 1min dry.
- Protection class: PC2 according IEC 127 or IP 40 according EN 60 529.
- Allowable ambient air temperatues Ta for accessible parts: -25°C to +85°C (Derating admissible power acceptance)
- Contact resistance: 5mΩ.
- Isulation resistance (500VDC/1min) : > 100MΩ.

Mounting:

Front panel mounting. Torque/Fixing nut: max. 1,2 Nm.

Slip-on connectors type 6,3mm thickness 0,8mm can be soldered. Cross-section 6mm≈.

Fuse carrier: screw type, screwdriver slot.

5x20 B210543 - Cat N° MIBH5PU500V5-6

6x32 D210545 - Cat N° MIBH6PU500V5-6

Receptacle:

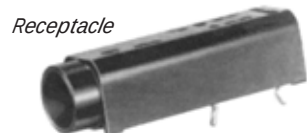
Z210541 - Cat N° MIPU500V5-6L

Packaging:

- 10 and 100 pieces.



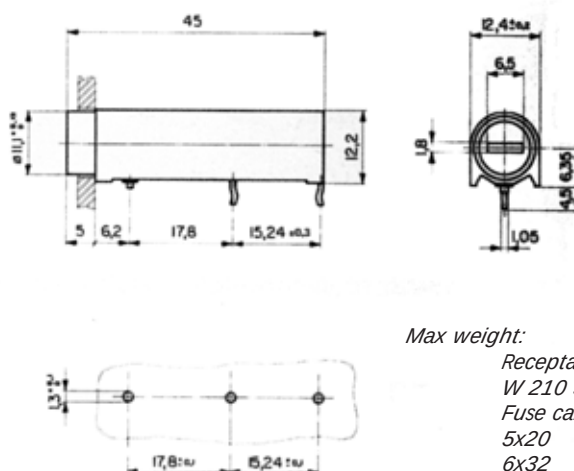
Miniature Fuses Panel Mount Fuseholders PU



As per standards: IEC 127-6, UL512, IEC257.

250V AC 10A montage horizontal
For 5X20 and 6X32 Fuses
PU CI-H 5-6 picots

Dimensions



Max weight:

Receptacle:

W 210 538 : 5g

Fuse carrier:

5x20 X 210 539 : 2,5g

6x32 Y 210 540 : 2,5g

Main Characteristics

Electrical characteristics:

- Rated voltage: 250V.
- Admissible fuse power dissipation: 5X20 fuses 2,5W ;6x32 fuses 3,2W at 23°C.
- Rated current approved: 10A according to IEC 127 and 16A according to UL.
- Dielectric strength: 4KV, 50Hz, 1min dry.
- Protection class: PC2 according IEC 127 or IP 40 according EN 60 529.
- Allowable ambient air temperatures T_a for accessible parts: -25°C to +85°C (Derating admissible power acceptance)
- Contact resistance: 5mΩ.
- Isulation resistance (500VDC/1min) : > 100MΩ.

Mounting:

PCB mount horizontal.

Solderability 235°C 5s.

Fuse carrier: with bayonet fixing, screwdriver slot.

5x20 X210539 - Cat N° MIBH5PU5-6

6x32 Y210540 - Cat N° MIBH6PU5-6

Receptacle:

W210538 - Cat N° MIPUCI-H5-6P

Packaging:

- 10 and 100 pieces.

CLASS J 600 Volt Fuse Blocks

Mersen Class J fuse blocks accommodate all Class J fuses.

A choice of screw, pressure plate, box and special order stud connectors fit a wide range of stranded or solid copper or aluminum conductors. Insulators are either molded glass-filled polycarbonate (GFPC) or phenolic with verified dielectric strength in excess of 2500V. 30A, 60A and the new 100A SJ fuse blocks feature a unique adder block configuration which can be snapped onto 1-, 2-, or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper, with a choice of spring-reinforced or non-spring reinforced clips. Space saving options are now available in the 30A and 100A configurations which are noted in the product selection tables.

Recommended Fuse Usage:

- Class J Blocks (600V) use with AJT, A4J, HSJ

Clip & Connector Types:

30A & 60A Clips	Connectors	Connectors	Connectors	Connectors
Spring Reinforced	Non-spring Reinforced 30A & 60A Box	Spring Reinforced 30A & 60A Box	Spring Reinforced 100A Box	Spring Reinforced 400A Box Side Clip
				
Non-spring Reinforced	Non-spring Reinforced 30A Screw	Spring Reinforced 30A Screw	Spring Reinforced 100A Box Side Clip	Spring Reinforced 400A Box In-line Clip
				
	Non-spring Reinforced 30A Pressure Plate	Spring Reinforced 30A Pressure Plate	Spring Reinforced 200A Box Side Clip	Spring Reinforced 600A Box In-line Clip
				



Ratings:

Volts : 600VAC / DC

Amps : 30A, 60A, 100A,
: 200A, 400A, 600A

SCCR : 200kA

Approvals:

- All class J fuse blocks meet the requirements of UL4248 (formerly UL512)
- UL listed Guide IZLT, File E52283
- CSA certified class 6225, File 32169



CLASS J 600 Volt Fuse Blocks

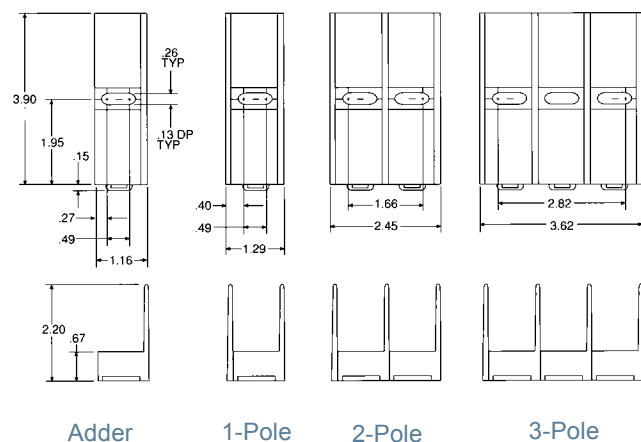
600 Volt, 30 & 60 Ampere Class J Fuse Blocks

Ampere Rating	Poles	Connectors		Catalog Number		Connector Torque In - lb
		Types	Wire Range	Non-Spring Reinforced	Spring Reinforced	
30 GFPC Insulator	ADDER	BOX	Al/Cu #2-14	60300J	60305SJ	35
	1			60301J	60306SJ	
	2			60302J	60307SJ	
	3			60303J	60308SJ	
	ADDER	SCREW	Cu* #4-14	60310J	60315SJ	20
	1			60311J	60316SJ	
	2			60312J	60317SJ	
	3			60313J	60318SJ	
	ADDER	PRESSURE PLATE	Cu* #4-14	60320J	60325SJ	20
	1			60321J	60326SJ	
	2			60322J	60327SJ	
	3			60323J	60328SJ	
	ADDER	BOX	Cu* #4-14	-	60355SJ	35
	1			-	60356SJ	
	2			-	60357SJ	
	3			-	60358SJ	
60 GFPC Insulator	ADDER	BOX	Al/Cu #2-14	60600J	60605J	45
	1			60601J	60606J	
	2			60602J	60607J	
	ADDER	BOX	Cu* #4-14	-	60655J	45
	1			-	60656J	
	2			-	60657J	
	3			-	60658J	

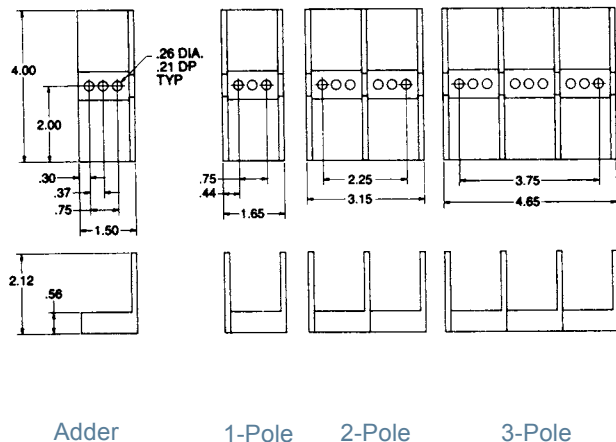
Note: To convert 30A "SJ" adder pole to single pole use end barrier cat # U09372. To convert 30A or 60A standard J adder pole to single use pole use end barrier cat # U09617. Recommended mounting screws for all 30A and 60A fuse blocks: 1/4" (0.250" dia).

*Fuses have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Dimensions for 30A Space Saving "SJ" Style Fuse Blocks



Dimensions for 30A and 60A Standard Class J Style Fuse Blocks

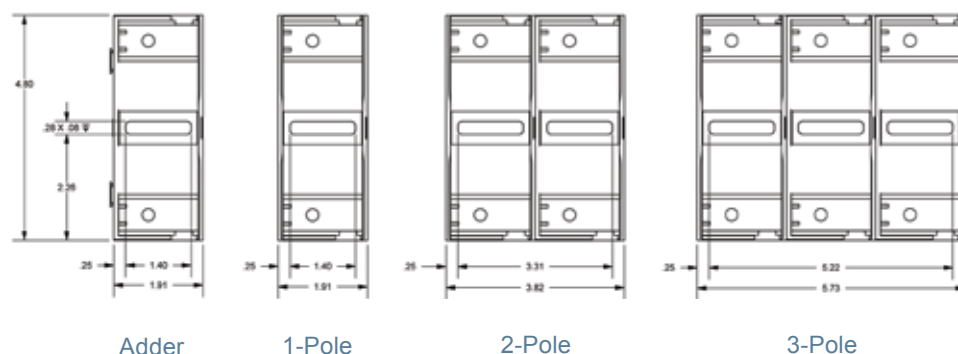


CLASS J 600 Volt Fuse Blocks

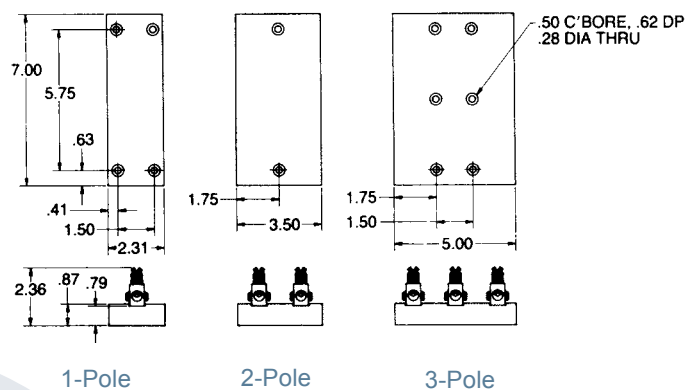
600 Volt, 100 Ampere Class J Fuse Blocks

Ampere Rating	Poles	Connectors		Catalog Number	Connector Torque In - lb
		Type	Wire Range	Spring Reinforced	
100 GFCP Insulator	Adder			61005SJ	
	1	Box	Al/Cu	61006SJ	100 (Al)
	2	Side Clip	2/0-#6	61007SJ	60 (Cu)
	3			61008SJ	
	1	Box	Al/Cu 2/0-#6	61036J	120
	2			61037J	
	3			61038J	
	1	Box	Cu* 2/0-#12	61006J	50
	2			61007J	
	3			61008J	

Dimensions for 100A Space Saving "SJ" Style Fuse Blocks



Dimensions for 100A Standard Class J Style Fuse Blocks



CLASS J 600 Volt Fuse Blocks

600 Volt, 200, 400 & 600 Ampere Class J Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.	Fig.	Connector Torque In - lb
		Type	Wire Range			
200 Phenolic Insulator	1	Box	Al/Cu	62001J	1	375
	3	Side-Clip	350kcmil-#6	62003J	2	
	1	Box	Cu**	62051J	1	275
	3	Side-Clip	350kcmil-#6	62053J	2	
400 Phenolic Insulator	1	Box*	Al/Cu	64001J	3	375
	3	Side-Clip	1000-250kcmil	64003J	4	
	1	Box	Al/Cu	64031J	5	275
	3	In-Line Clip	(2) 350kcmil-#4	64033J	6	
	1	Box*	Cu**	64051J	3	375
	3	Side-Clip	1000-250kcmil	64053J	4	
	1	Box	Cu**	64061J	5	275
	3	In-Line Clip	(2) 350kcmil-#6	64063J	6	
600 Phenolic Insulator	1	Box	Al/Cu	6631J	7	500
	3	In-Line Clip	(2) 500kcmil-#4	6633J	8	
	1	Box	Cu**	6661J	7	375
	3	In-Line Clip	(2) 500kcmil-#4	6663J	8	

* Not UL Listed or CSA Certified

** Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended mounting screws:
All 200A, 400A & 600A -
5/16" (.313" dia.)

Dimensions

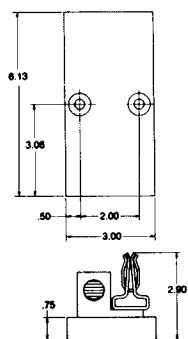


Figure 1

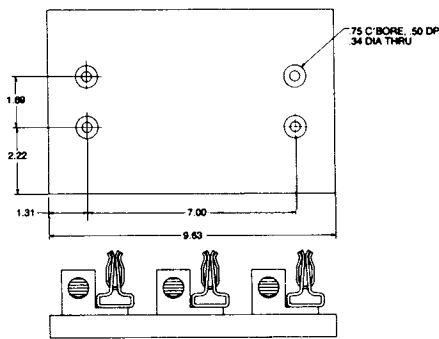


Figure 2

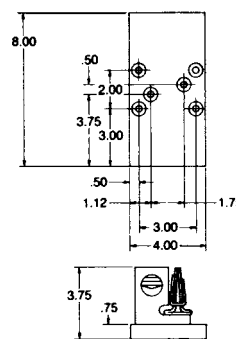


Figure 3

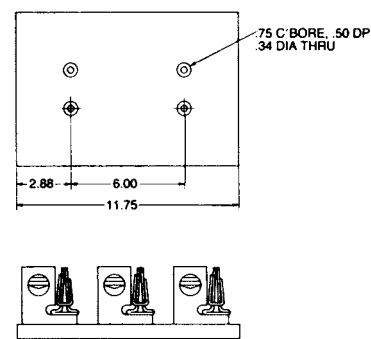


Figure 4

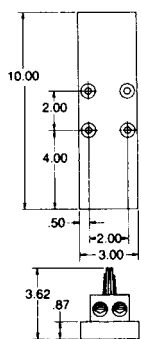


Figure 5

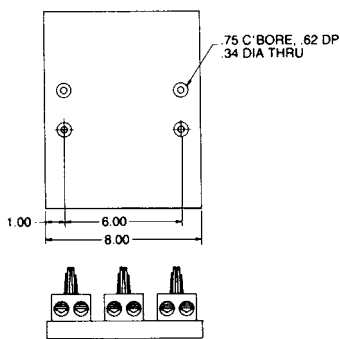


Figure 6

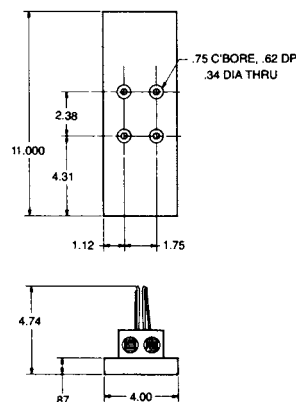


Figure 7

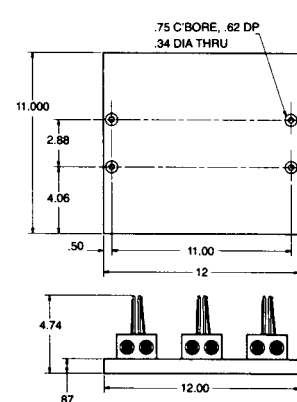
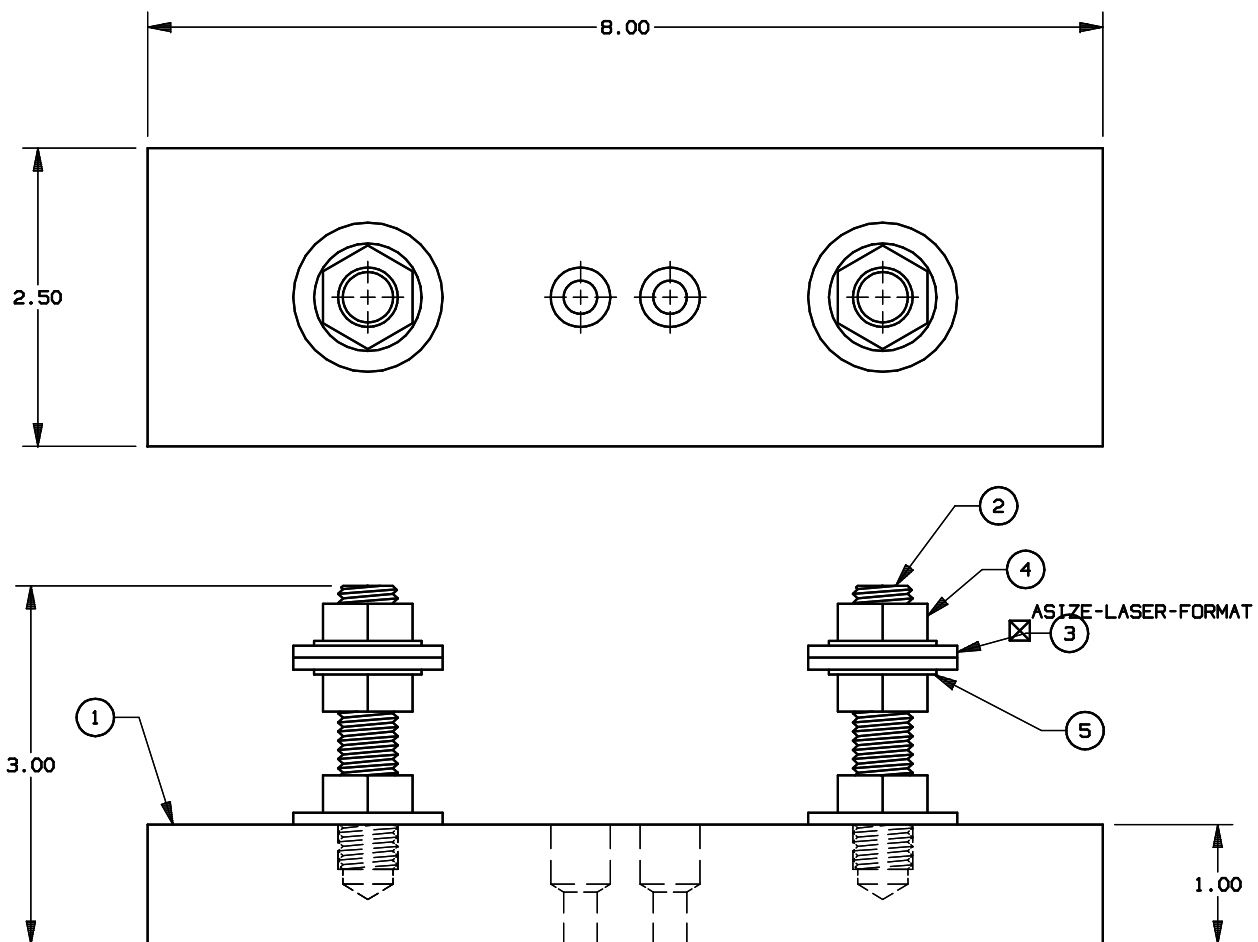


Figure 8



-001	FH50F4
PART NO. SUFFIX	CATALOG NUMBER

LDB 12-13-02

E KNAPP (SEE ECO)

380323

W KLEIMOLA (SEE ECO) 12620

.6/1

FUSE HOLDER ASSY

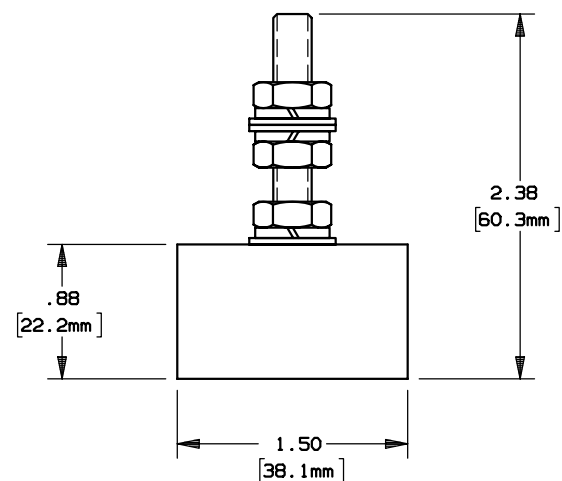
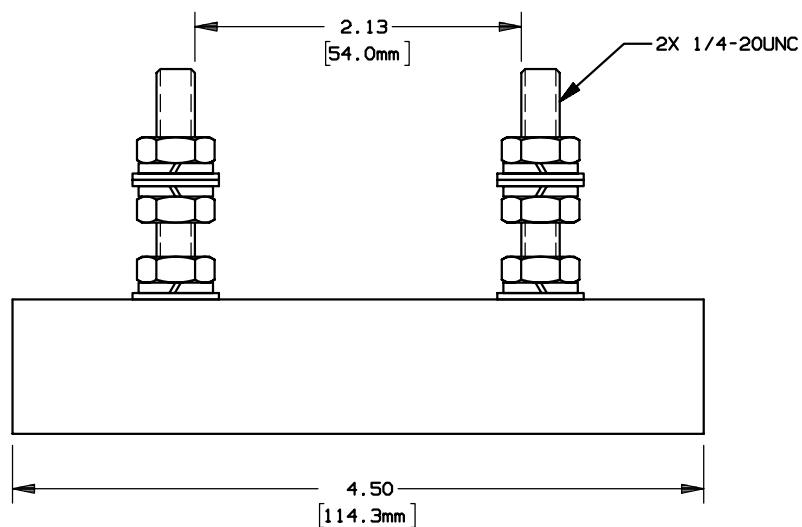
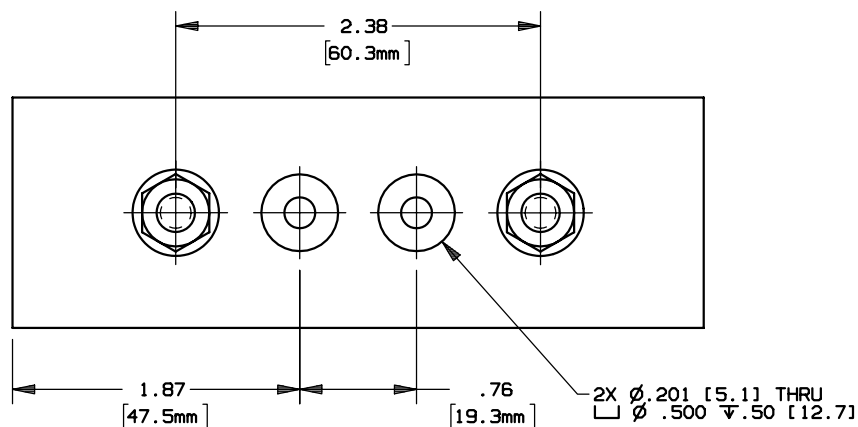
SEE TABLE

380323

1 1 -

CONTROL No: 1041

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
F	1/8/07	NA	REDRAWN-WAS ON 16424 REV E	DRL	NA	NA



Ferraz Shawmut

FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

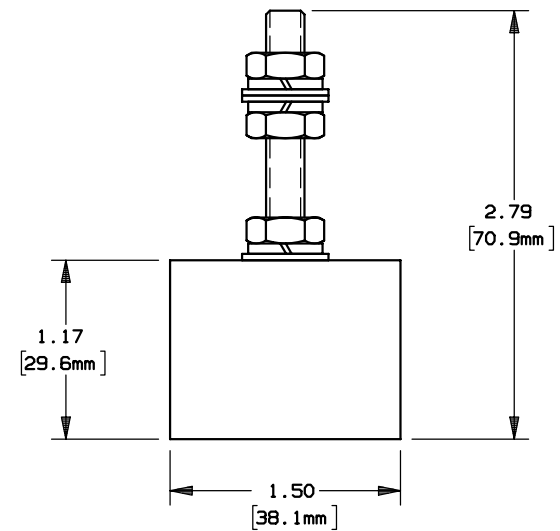
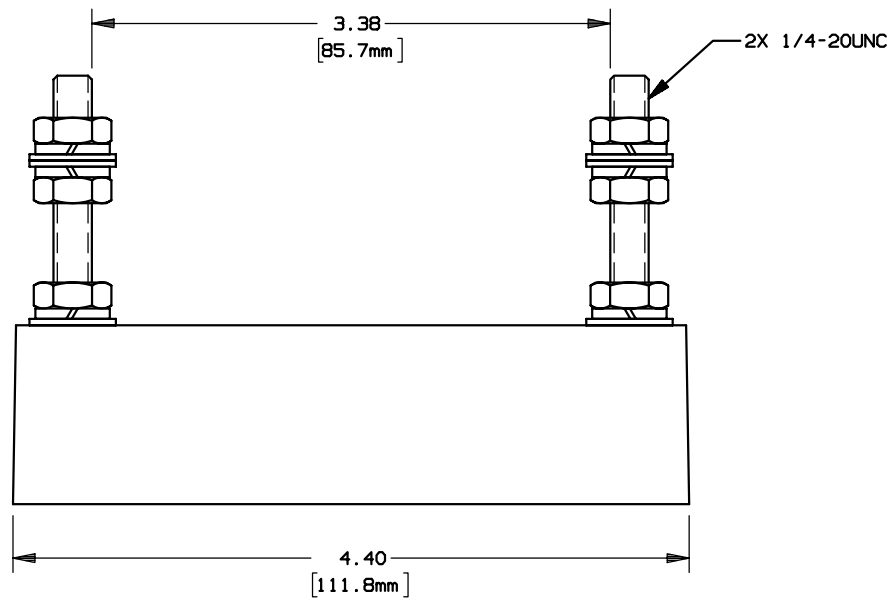
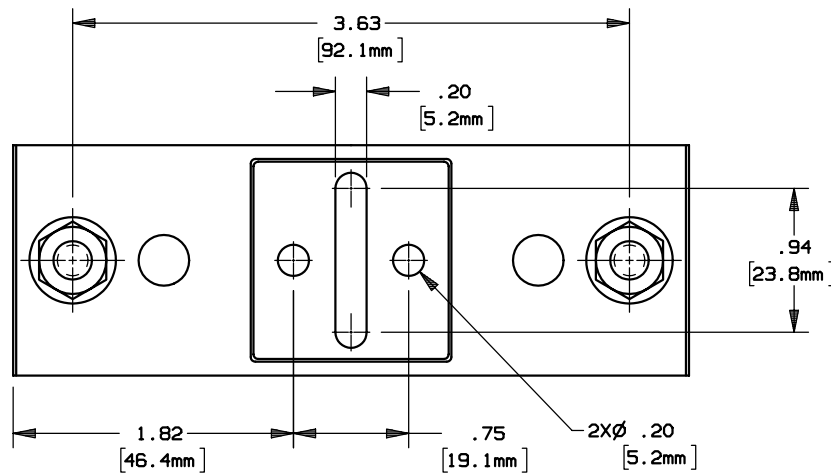
FUSE BLOCK
FORM 101 SINGLE-POLE
P243

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

16424

CONTROL No: 1041

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	1/9/07	NA	REDRAWN-WAS ON 16424 REV E	DRL	NA	NA



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

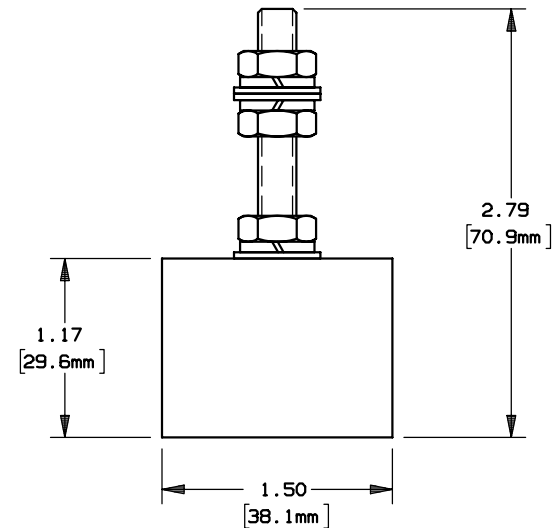
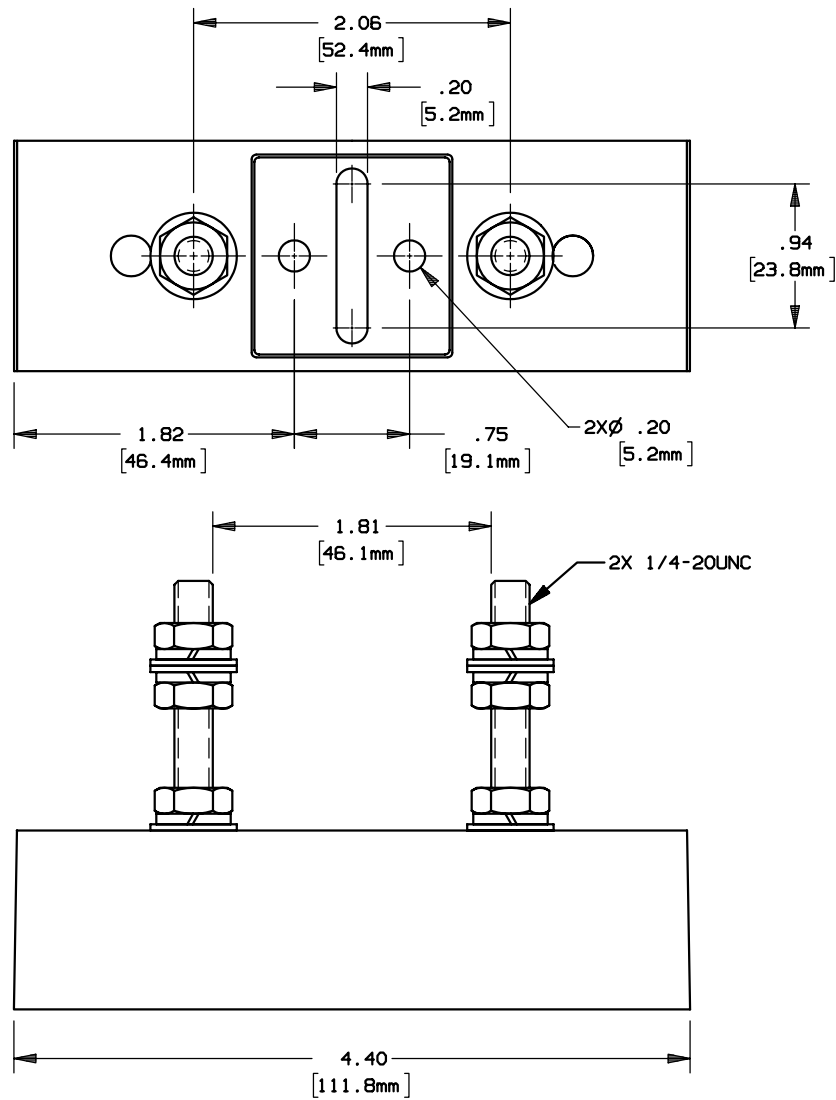
FUSE BLOCK
FORM 101 SINGLE-POLE
P243C

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701322

CONTROL No: 1041

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
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FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

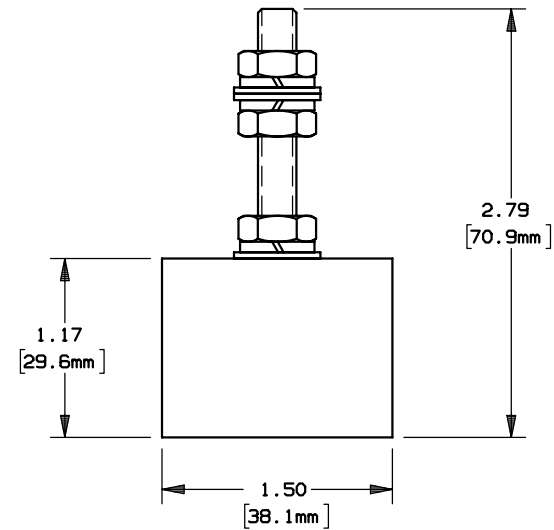
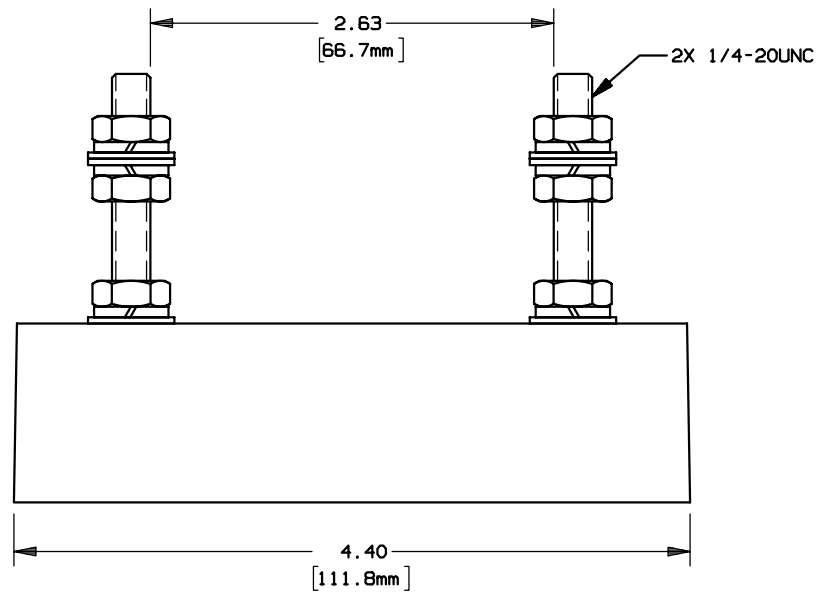
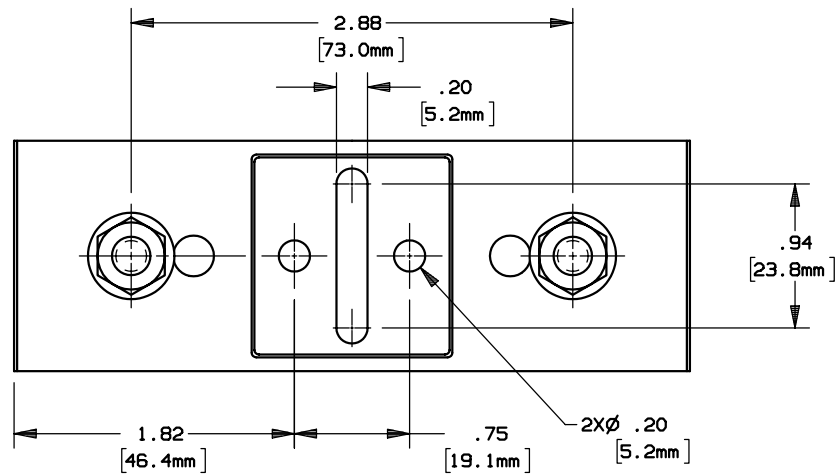
FUSE BLOCK
FORM 101 SINGLE-POLE
P243D

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701323

CONTROL No: 1041

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
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FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

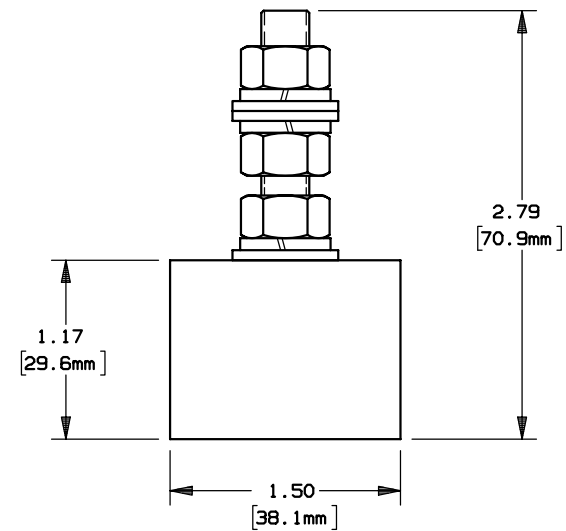
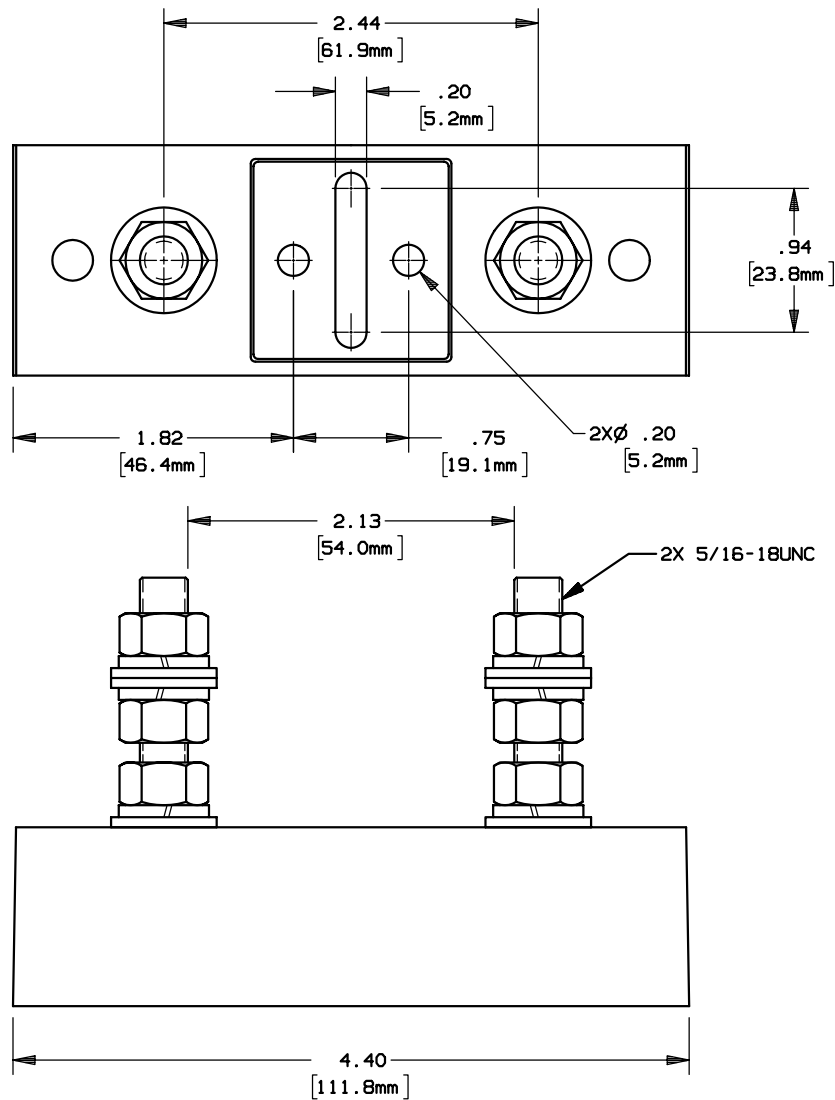
FUSE BLOCK
FORM 101 SINGLE-POLE
P243E

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701324

CONTROL No: 1041

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
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FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

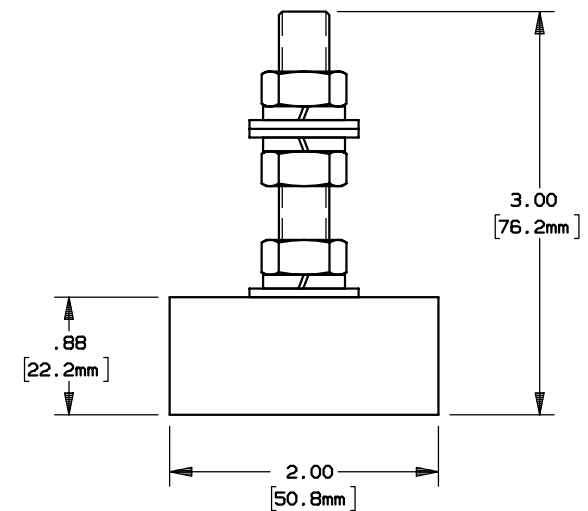
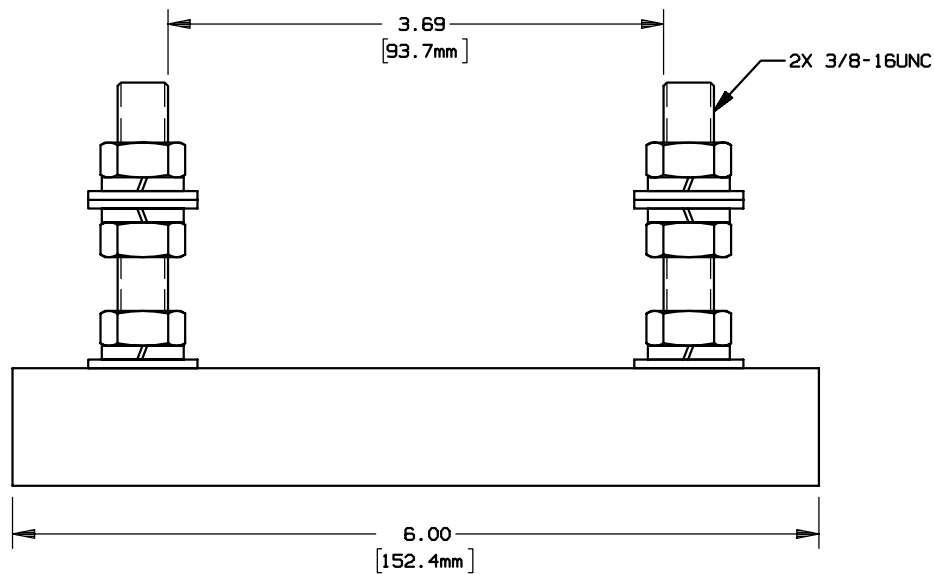
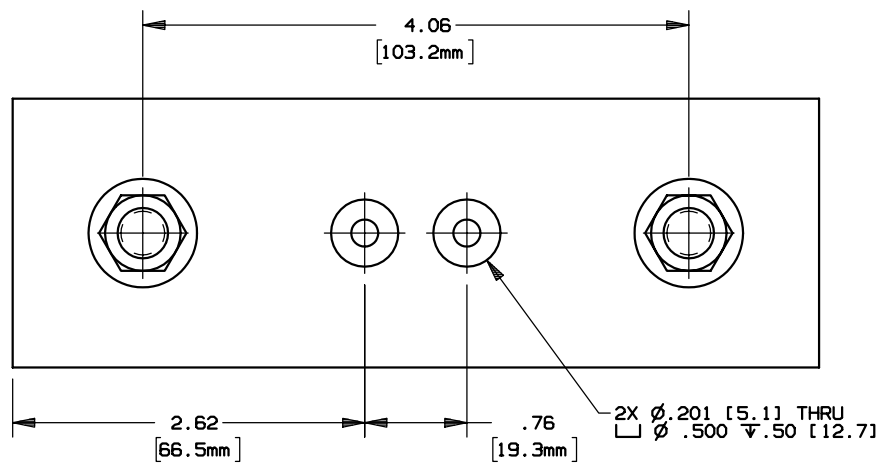
FUSE BLOCK
FORM 101 SINGLE-POLE
P243G

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

18478

CONTROL No: 1042

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
N	1/16/07	NA	REDRAWN-WAS ON 16425 REV M	DRL	NA	NA



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FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

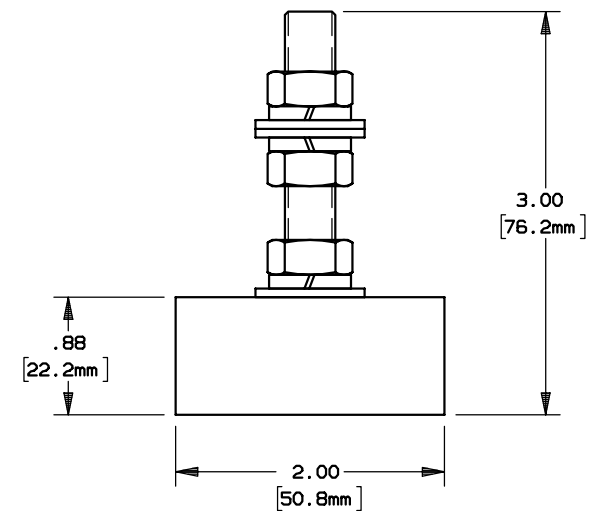
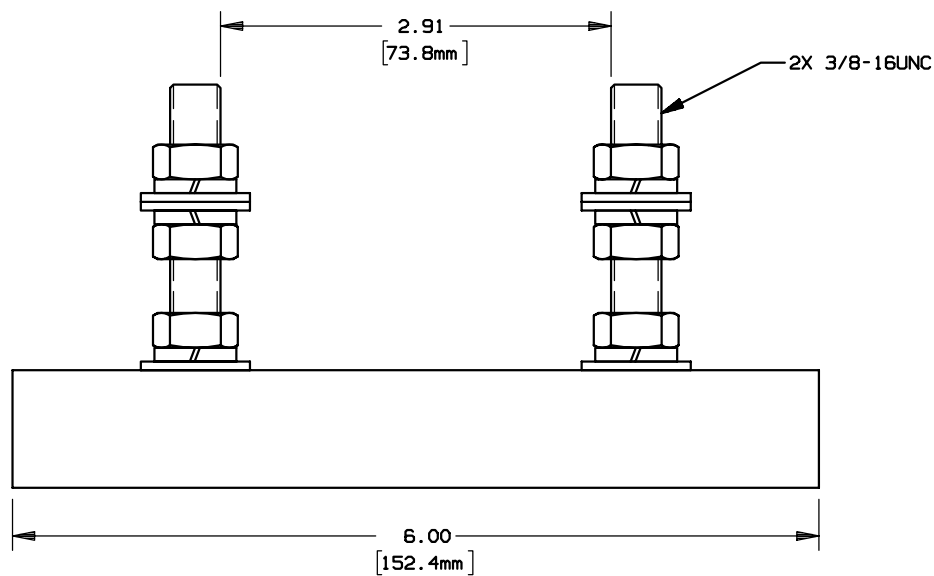
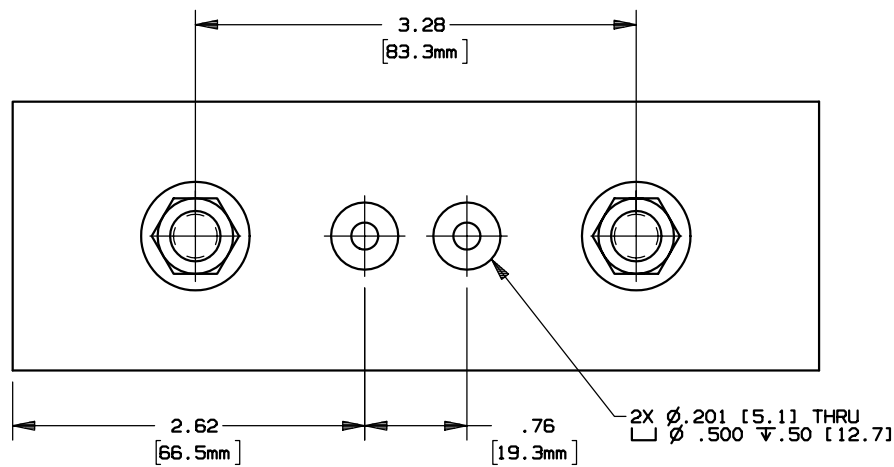
FUSE BLOCK
FORM 101 SINGLE-POLE
P266A

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

16425

CONTROL No: 1042

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
N	1/16/07	NA	REDRAWN-WAS ON 16425 REV M	DRL	NA	NA



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374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

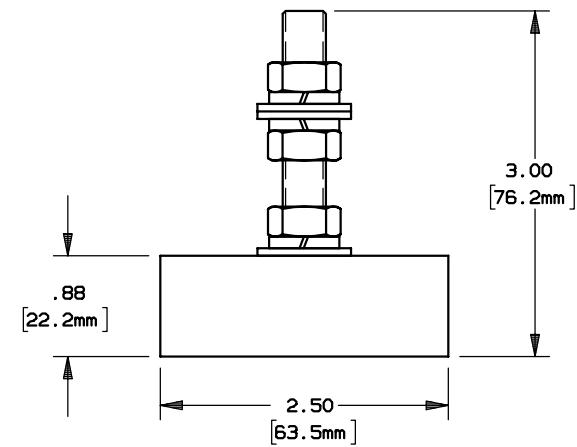
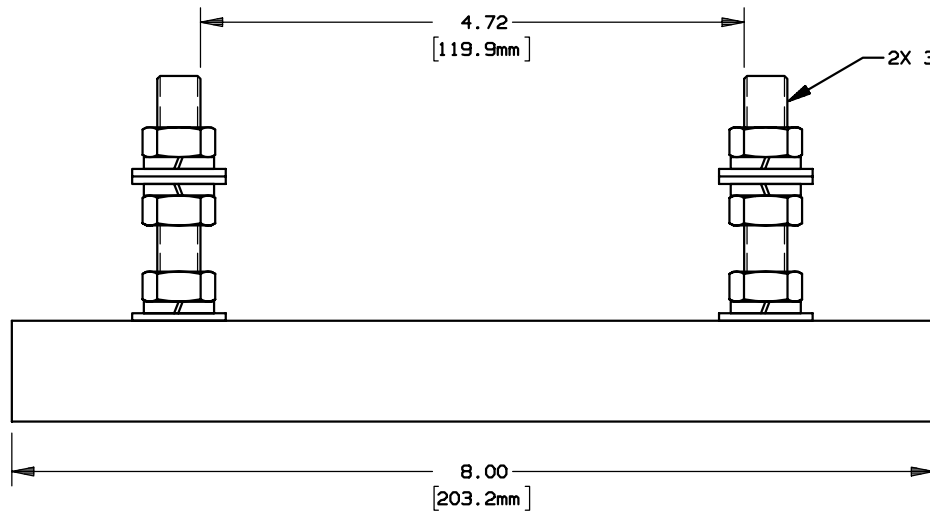
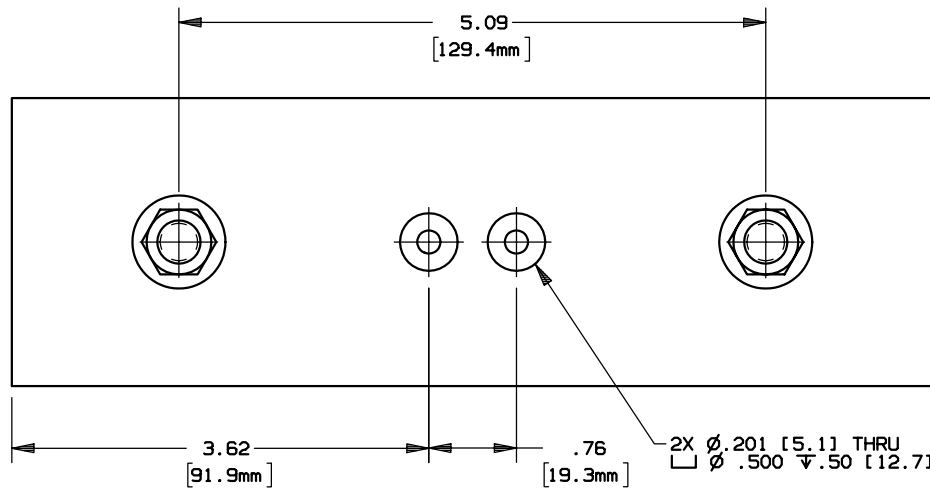
FUSE BLOCK
FORM 101 SINGLE-POLE
P266C

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701327

CONTROL No: 1042

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
N	1/16/07	NA	REDRAWN-WAS ON 16425 REV M	DRL	NA	NA



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

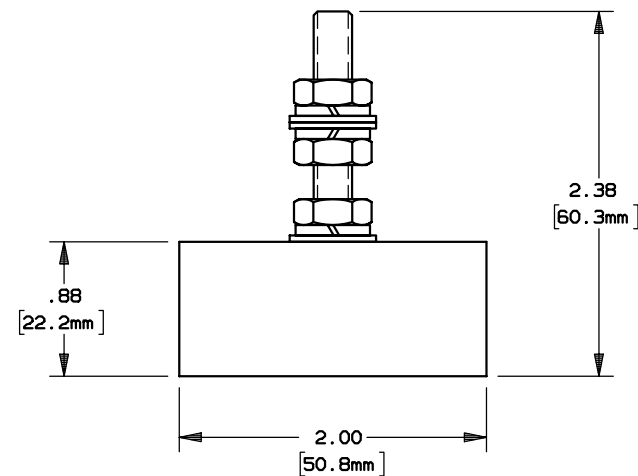
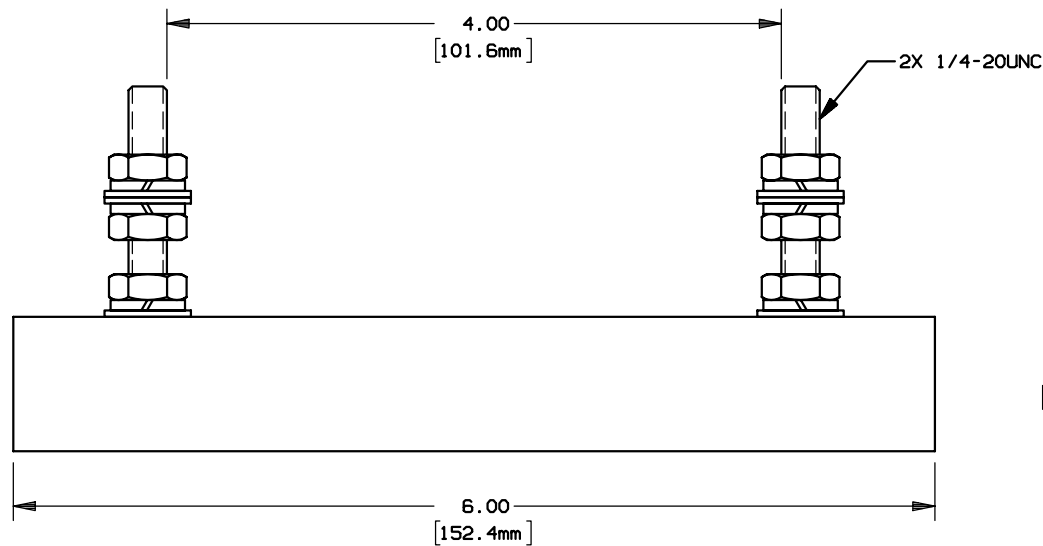
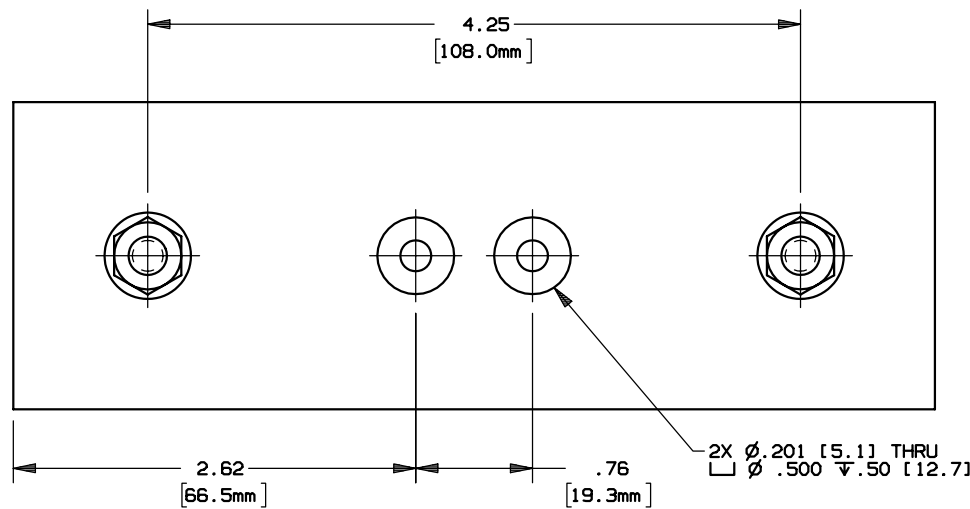
FUSE BLOCK
FORM 101 SINGLE-POLE
P266F

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701328

CONTROL No: 1042

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
N	1/16/07	NA	REDRAWN-WAS ON 16425 REV M	DRL	NA	NA



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374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

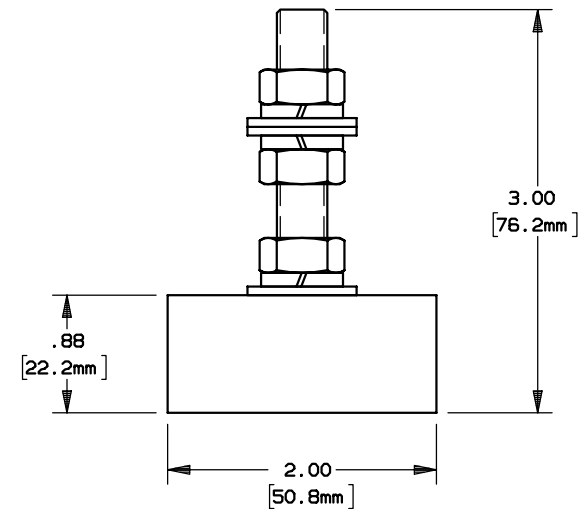
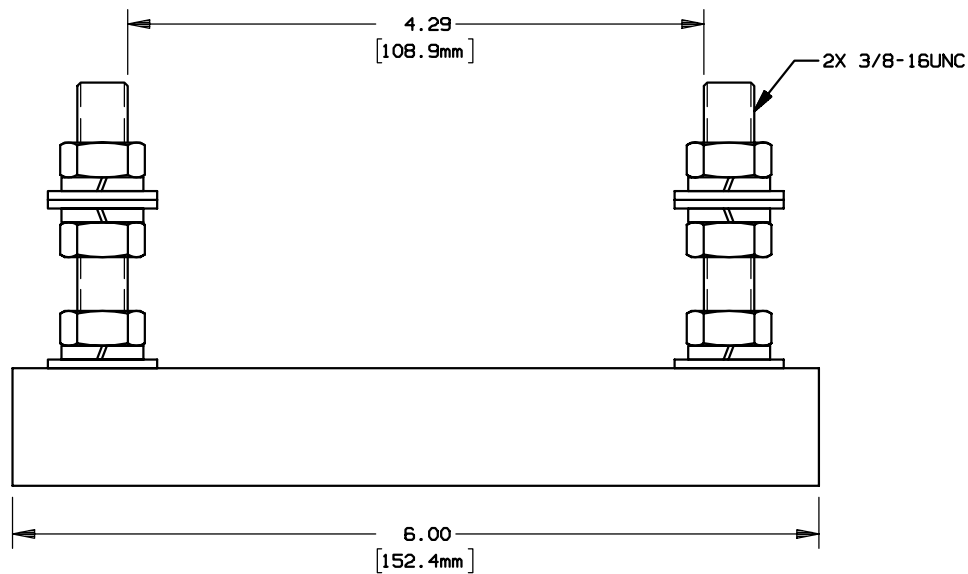
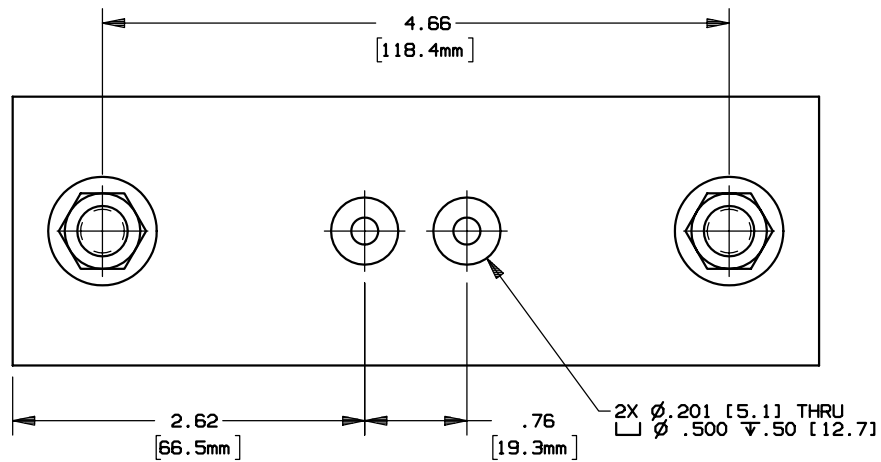
FUSE BLOCK
FORM 101 SINGLE-POLE
P266G

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701329

CONTROL No: 1042

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
N	1/16/07	NA	REDRAWN-WAS ON 16425 REV M	DRL	NA	NA



FERRAZ SHAWMUT INC.
374 MERRIMAC STREET
NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

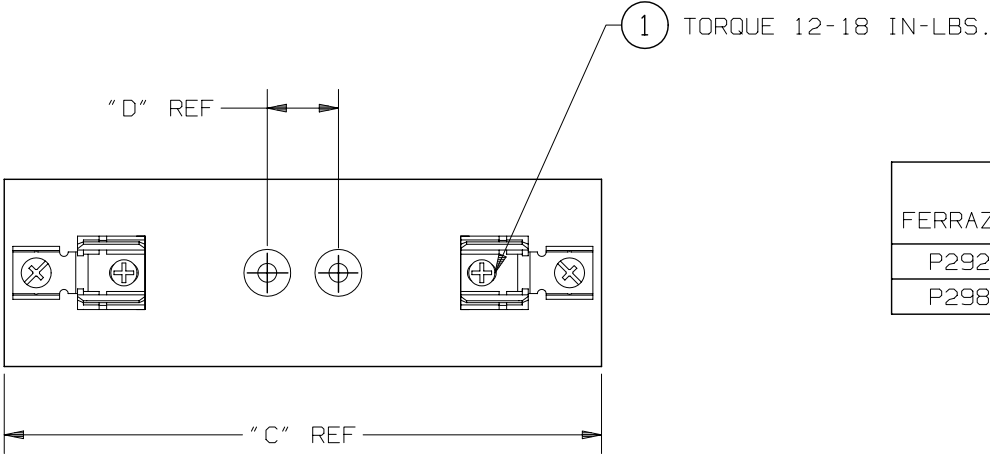
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DATE:

FUSE BLOCK
FORM 101 SINGLE-POLE
P266L

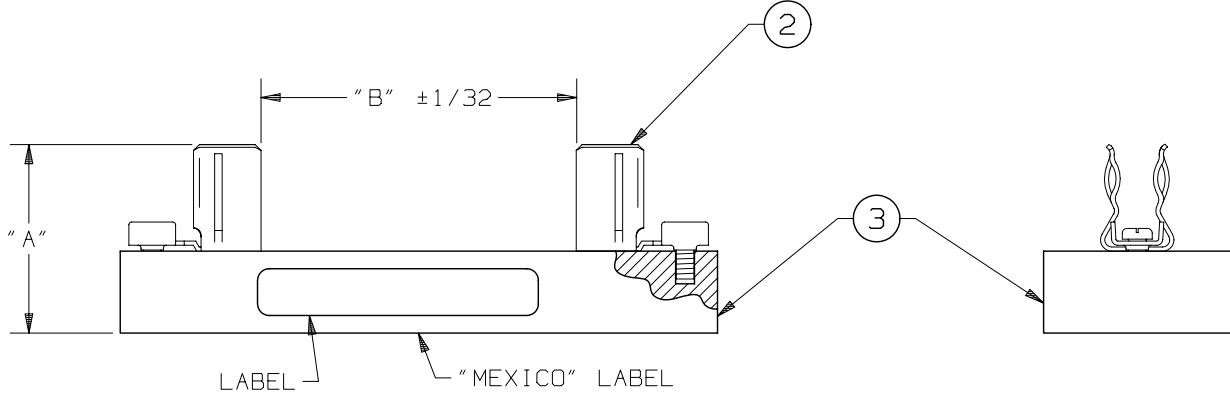
OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

701332

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
00	4/11/95		RELEASED	GO		(SEE ECO)
01	5/11/95	1688	ADDED "B" DIM	IS	AE	(SEE ECO)
B	2/15/07	15655	ADDED "C" & "D" DIM	CP		(SEE ECO)



FERRAZ P/N	DIMENSIONS			
	"A"	"B"	"C" REF	"D" REF
P292	2.02	3.37	6.38	.76
P298	2.02	4.87	8.20	2.50



P/N P292
P298

NOTE
1. MUST WITHSTAND FOR 1 SECOND, WITHOUT BREAKDOWN, THE APPLICATION OF 3600V AC BETWEEN LIVE PARTS AND EXPOSED NON-CURRENT-CARRYING-METAL PARTS.

Ferraz Shawmut		FERRAZ SHAWMUT INC. 374 MERRIMAC STREET NEWBURYPORT, MA 01950	
THIS DRAWING AND ALL INFORMATION HEREON IS THE PROPERTY OF FERRAZ SHAWMUT, AND IS SUBJECT TO RETURN ON DEMAND. THIS INFORMATION IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED UNLESS AUTHORIZED.			
GENERAL NOTES: TOLERANCES TO BE APPLIED UNLESS OTHERWISE SPECIFIED: XXXX.0005, XXXX.005, XXXX.01, XXX.04 UNLESS OTHERWISE SPECIFIED, DIMENSIONS APPLY AFTER PLATING. ALL SURFACES TO BE 100% UNLESS OTHERWISE SPECIFIED. NO BURRS ALLOWED. BREAK ALL SHARP EDGES.		SCALE: NONE	
ENGINEERING APPROVED: _____ DATE: _____		INITIAL RELEASE ECO NO: _____	
DESCRIPTION: ASSEMBLY, PANEL BOARD, FORM 101			
DRAWING/PART NUMBER: 31B0516		REV: B	

P243/P266/P292 Fuse Blocks

Fuse Blocks for Semiconductor Fuses

Mersen P243 and P266 series fuse blocks for Form 101 fuses are glass-filled polycarbonate or laminated phenolic insulator blocks with studs to accommodate bolt-in fuses. The P292 series has a laminated phenolic insulator base with fuse clips. All studs, clips and mounting hardware are tin or zinc plated.

Dimensions

For Use with	Amps	Catalog No.	Fig.	Dimensions - Inches						Stud Size	Torque (in lbs)
A13X, A15QS	70-450	P243D	2	4.40	1.50	2.79	2.20	2.06	1.17	1/4-20	36
A13X, A15QS	500-600	P243G	2	4.40	1.50	2.79	2.20	2.44	0.98	5/16-18	84
A25X, A25Z, A30QS	35-60	P243G	2	4.40	1.50	2.79	2.20	2.44	0.98	5/16-18	84
A25X, A25Z, A30QS	70-200	P243	1	4.50	1.50	2.50	2.25	2.38	1.06	1/4-20	36
A25X, A25Z, A30QS	225-600	P243G	2	4.40	1.50	2.79	2.20	2.44	0.98	5/16-18	84
A50P	35-60	P243G	2	4.40	1.50	2.79	2.20	2.44	0.98	5/16-18	84
A50P, A50QS	70-200	P243E	2	4.40	1.50	2.79	2.20	2.88	0.76	1/4-20	36
A50P, A50QS	225-600	P266C	1	6.00	2.00	3.00	3.00	3.28	1.36	3/8-16	180
A60X, A60Z, A70QS-4	35-200	P243C	2	4.40	1.50	2.79	2.20	3.62	0.39	1/4-20	36
A60X, A60Z, A70QS-4	225-600	P266A	1	6.00	2.00	3.00	3.00	4.06	0.97	3/8-16	180
A70P, A70Q, A70QS-4	35-100	P243C	2	4.40	1.50	2.79	2.20	3.62	0.39	1/4-20	36
A70QS-4K	125-200	P266A	1	6.00	2.00	3.00	3.00	4.06	0.97	3/8-16	180
A70P, A70Q	125-400	P266A	1	6.00	2.00	3.00	3.00	4.06	0.97	3/8-16	180
A70P, A70Q, A70QS-4K	450-600	P266F	1	8.00	2.50	3.00	4.00	5.09	1.45	3/8-16	180
A100P	35-100	P266G	1	6.00	2.00	2.50	3.00	4.25	0.88	1/4-20	36
A100P	125-400	P266L	1	6.00	2.00	3.00	3.00	4.66	0.67	3/8-16	180
A120X	1-30	P292	3	-	-	-	-	-	-	-	-
A30QS	700-800	FH25F4	1	6.00	2.00	3.00	3.00	2.66	1.67	3/8-16	144
A50QS	700-800	FH50F4	1	8.00	2.50	3.00	4.00	4.21	1.84	1/2-13	360
A50QS	900-1000	FH50F5	1	8.00	2.50	3.00	4.50	4.97	1.50	1/2-13	360
A70QS-4K	450-600	FH70F3	1	8.00	2.50	3.00	4.00	5.09	1.91	1/2-13	360

Note: FH Blocks are 1" thick.

* Not UL or CSA Certified

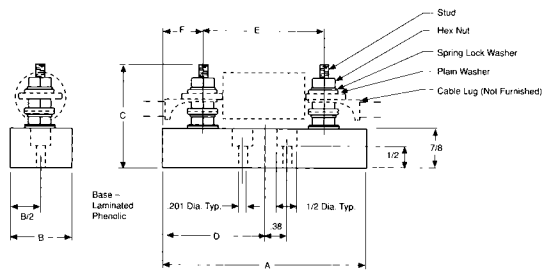


Figure 1

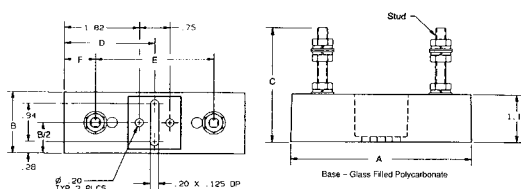


Figure 2

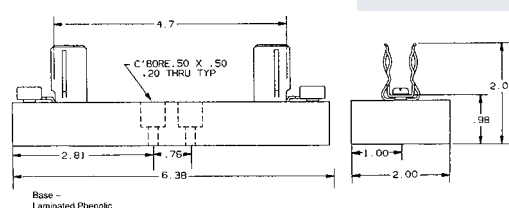


Figure 3



Ratings:

Amps : 1 to 1000A

Clip Type : 1200VAC or less

Stud Type : 1000VAC or less

Approvals:

- UL Recognized Component guide IZLT2 File E52283
- CSA Certified C22.2, class 6225, File 32169



703,U705,U710

Semiconductor Fuse Holders

750V Semiconductor Fuse Holders

Mersen semiconductor fuse holders feature open face styles. Each version is rated 750 volts and accommodates 14 x 51 mm or 22 x 58 mm fuses. 703, U705 and U710 holders feature Mersen's unique adder-block design which can be snapped onto 1-, 2-, or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. A choice of box, screw or pressure plate connectors is offered to fit a wide range of standard or solid copper wire. All versions have verified dielectric strengths in excess of 2500V. A patented built-in DIN-rail adapter on the U710 blocks adds further design versatility. All fuse clips are made of high conductivity tin-plated copper with spring reinforced clips.

Highlights:

- Thermoplastic bases
- DIN-rail (U710) or Screw Mount
- Adder block design

Applications:

- All circuits up to 750 volts using semiconductor fuses for protection of small inverters, UPS systems, motor drives, etc.

Recommended Fuse Usage:

703 use with 14x51mm A70QS, A70P, URD

U705 use with 14x51mm A70QS, A70P, URD

U710 use with 22x58mm A70QS, URD, up to 100A



Ratings:

Volts : 750V

Amps : 30A (703)

: 50A (U7050)

: 100A (U7100)

SCCR : 200kA dependent on fuse I.R.

Approvals:

- UL Recognized component guide IZLT2, File E52283
- CSA Certified class 6225, File 32169



703,U705,U710 Semiconductor Fuse Holders

750 Volt Fuse Holders for 14 x 51mm & 22 x 58 mm Fuses

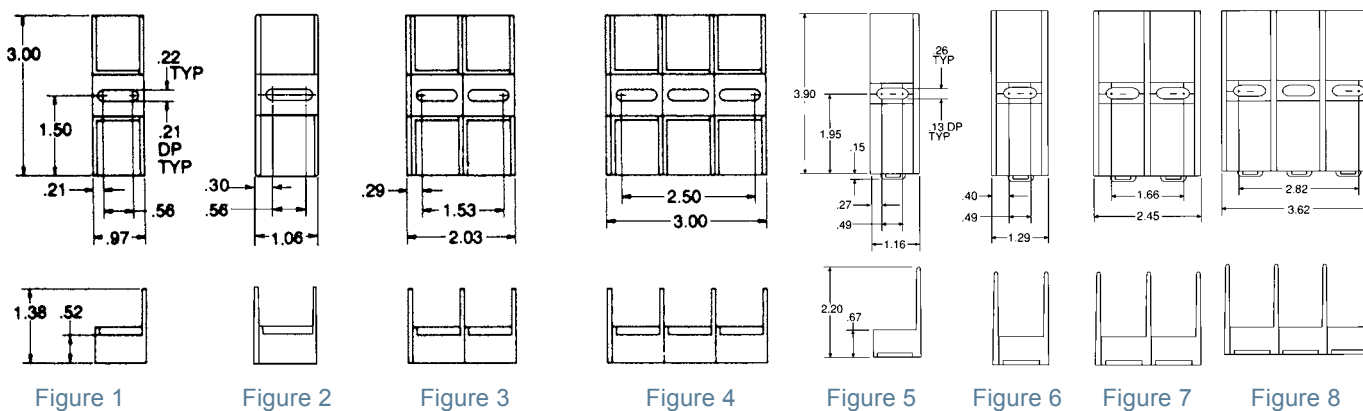
Catalog No.	Fuse Size	Ampacity Rating	Poles	Connector		Figure	Connector Torque (In-Lb)
				Type	Wire Range		
U70505	14 x 51	50	Adder	Box	Al/Cu #2-14	1	35
U70506			1			2	
U70507			2			3	
U70508			3			4	
70315	14 x 51	30	Adder	Screw	Cu #10-14	1	20
70316			1			2	
70317			2			3	
70318			3			4	
70325	14 x 51	30	Adder	Pressure Plate	Cu #10-14	1	20
70326			1			2	
70327			2			3	
70328			3			4	
70355	14 x 51	30	Adder	Box	Cu* #4-14	1	35
70356			1			2	
70357			2			3	
70358			3			4	
U71005	22 x 58	100	Adder	Box	Al/Cu #2-14	5	35
U71006			1			6	
U71007			2			7	
U71008			3			8	

*Copper box connectors and clips-for copper wires only.

Note: To convert 30A adder pole to single pole, use end barrier #U09322 100A adder pole to single pole, use end barrier #U09372.

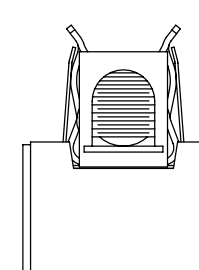
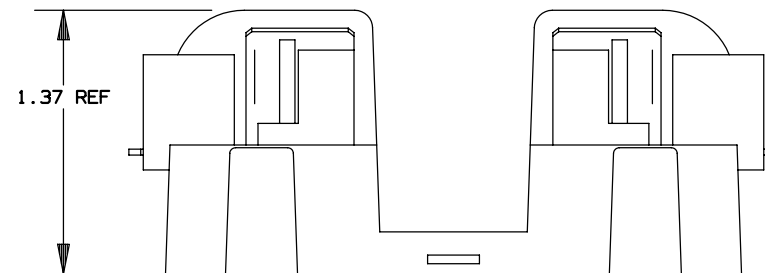
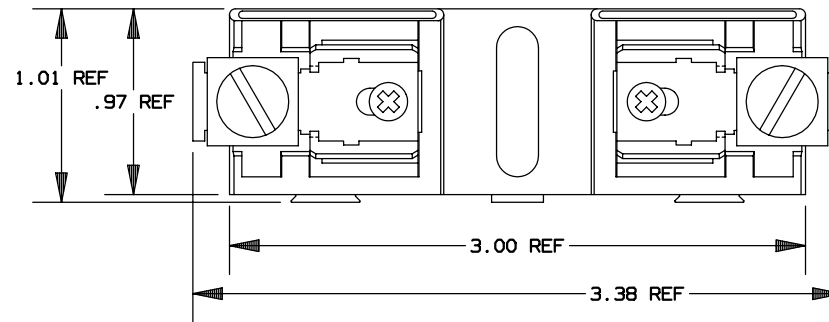
Recommended mounting screws; #10 (.190"dia)

Dimensions



CONTROL No : .

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-----	------	-----	-------------	----	----	-----



P/N	FUSE CLASS	RMS SYM RATING	TORQUE (IN-LBS)	WIRE		UL	
				°C	TYPE	FILE NO.	GUIDE NO.
U70505	14x51mm	200K	35	60/75	CU-AL	E52283	IZLT2

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DESIGN ENGINEER

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SIGN:

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DATE:

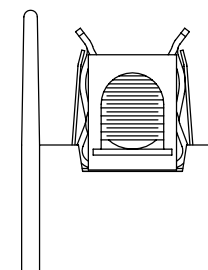
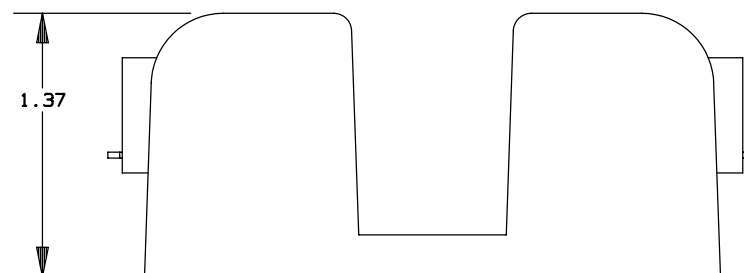
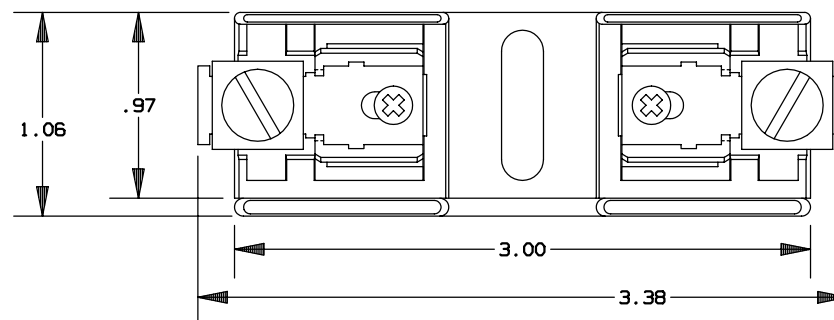
FUSE BLOCK, 750V-50A, ADDER
 14x51mm FUSES

OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

700833

CONTROL No : 262

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	5/22/02	N/A	INITIAL RELEASE	LAS	N/A	N/A



P/N	FUSE CLASS	RMS SYM RATING	TORQUE (IN-LBS)	WIRE		UL	
				°C	TYPE	FILE NO.	GUIDE NO.
U70506	14x51mm	200K	35	60/75	CU-AL	E52283	IZLT2

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 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

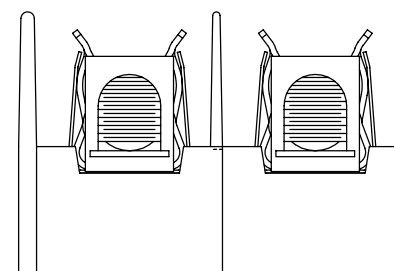
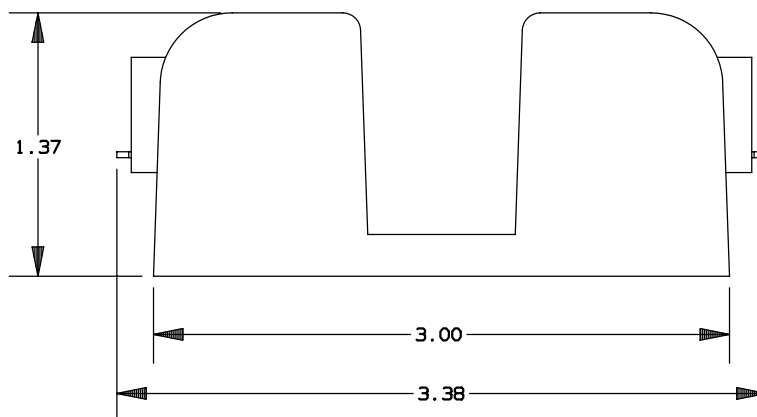
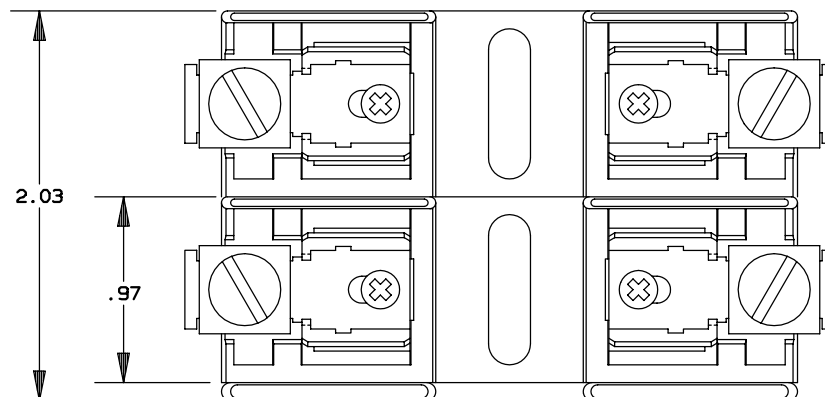
FUSE BLOCK, 750V-50A, 1 POLE
54x51 FUSES

OUTLINE DIMENSIONS
NOT TO BE USED FOR PRODUCTION

700834

CONTROL No : 262

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	5/22/02	N/A	INITIAL RELEASE	LAS	N/A	N/A



P/N	FUSE CLASS	RMS SYM RATING	TORQUE (IN-LBS)	WIRE		UL	
				°C	TYPE	FILE NO.	GUIDE NO.
U70507	14x51mm	200K	35	60/75	CU-AL	E52283	IZLT2

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 FERRAZ SHAWMUT INC.
 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

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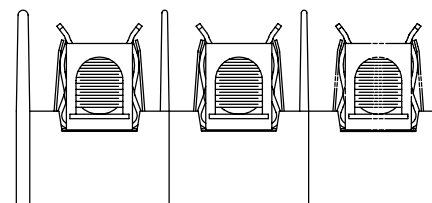
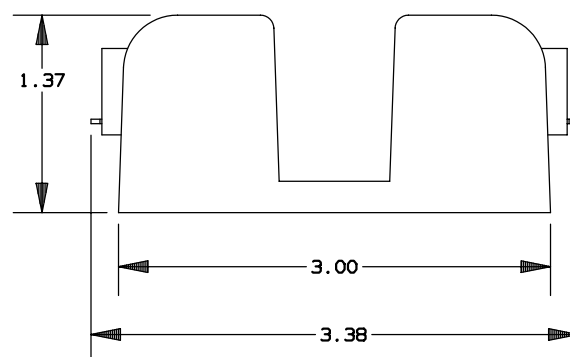
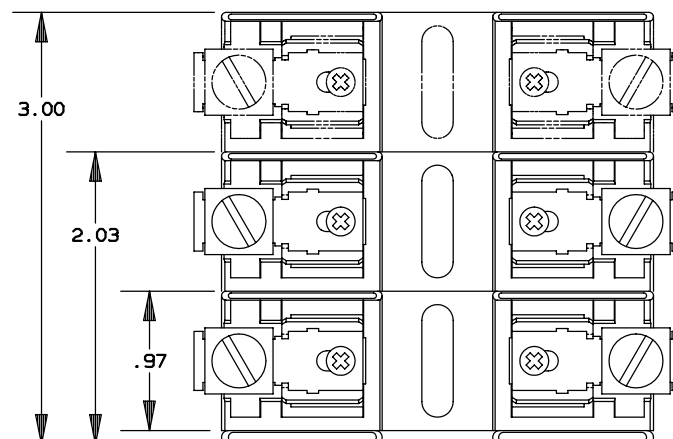
FUSE BLOCK, 750V-50A, 2 POLE
 14x51mm FUSES

OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

700835

CONTROL No : 262

REV	DATE	ECO	DESCRIPTION	BY	CK	APP
-	5/22/02	N/A	INITIAL RELEASE	LAS	N/A	N/A



P/N	FUSE CLASS	RMS SYM RATING	TORQUE (IN-LBS)	WIRE		UL	
				°C	TYPE	FILE NO.	GUIDE NO.
U70508	14x51mm	200K	35	60/75	CU-AL	E52283	IZLT2

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 374 MERRIMAC STREET
 NEWBURYPORT, MA 01950

PRODUCT MANAGER

DESIGN ENGINEER

SIGN:
DATE:

SIGN:
DATE:

FUSE BLOCK, 750V-50A, 3 POLE
 14x51mm FUSES

OUTLINE DIMENSIONS
 NOT TO BE USED FOR PRODUCTION

700836

MIDGET & CLASS CC

600 Volt Fuse Blocks

600 Volt midget and Class CC fuse blocks

Mersen midget fuse blocks accommodate all 30 ampere 1-1/2" x 13/32" midget fuses. Class CC fuse blocks accommodate all 30 ampere Class CC fuses. A choice of box, screw, or pressure-plate connectors fit a wide range of stranded or solid copper wire. Insulators are glass-filled polycarbonate (GFPC) with verified dielectric strength in excess of 2500V. Fuse blocks feature a unique adder block which can be snapped onto 1-, 2- or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper alloy.

Recommended Fuse Usage:

Midget Fuse Block use with ATQ, ATM, A6Y-2B, A25Z-2, TRM, OTM, A15QS-2, GFN, GGU, A60Q-2, DCT

Class CC Fuse Block use with ATDR, ATMR, ATQR

Clip & Connector Types

30A MIDGET/CC			
COPPER BOX CONNECTOR	SCREW WITH DOUBLE QUICK-CONNECTS	PRESSURE PLATE WITH DOUBLE QUICK-CONNECTS	PRESSURE PLATE WITH DOUBLE QUICK-CONNECTS (CLASS CC REJECTION END)
			



Ratings:

Midget Block

Volts : 600VAC / DC
Amps : 30A Maximum
SCCR : 100kA (depending on fuse I.R.)
: 10kA (when using quick connect terminal)

Class CC Block

Volts : 600VAC / DC
Amps : 30A Maximum
SCCR : 200kA
: 10kA (when using quick connect terminal)

Temperature/flammability GFPC insulators rated 125°C, 94V-0 flammability.

Approvals:

All fuse blocks meet the requirements of UL 4248

Midget Block

- UL recognized component guide IZLT2, File E52283
- CSA certified class 6225, File 32169

Class CC Block

- UL listed, guide IZLT, File E52283
- CSA certified class 6225, File 32169



MIDGET & CLASS CC

600 Volt Fuse Blocks

600 Volt, 30A Midget and Class CC Fuse Blocks

Type	Connector		Poles*	Catalog No.			Torque In - lb
	Wire Range			Midget	Listing	Class CC	
Screw w/ double quick connects at both ends	Cu #10-14	ADDER	1	30310	UL Rec. & CSA	30310R	20
		1	2	30311		30311R	
		2	3	30312		30312R	
		3	4	30313		30313R	
		4		30314		30314R	
Pressure plate (sems) w/ double quick connects at both ends	Cu #10-14	ADDER	1	30320	UL Rec. & CSA	30320R	20
		1	2	30321		30321R	
		2	3	30322		30322R	
		3	4	30323		30323R	
		4		30324		30324R	
Copper box	Cu #6-14	ADDER	1	30350	UL Rec. & CSA	30350R	35
		1	2	30351		30351R	
		2	3	30352		30352R	
		3	4	30353		30353R	
		4		30354		30354R	

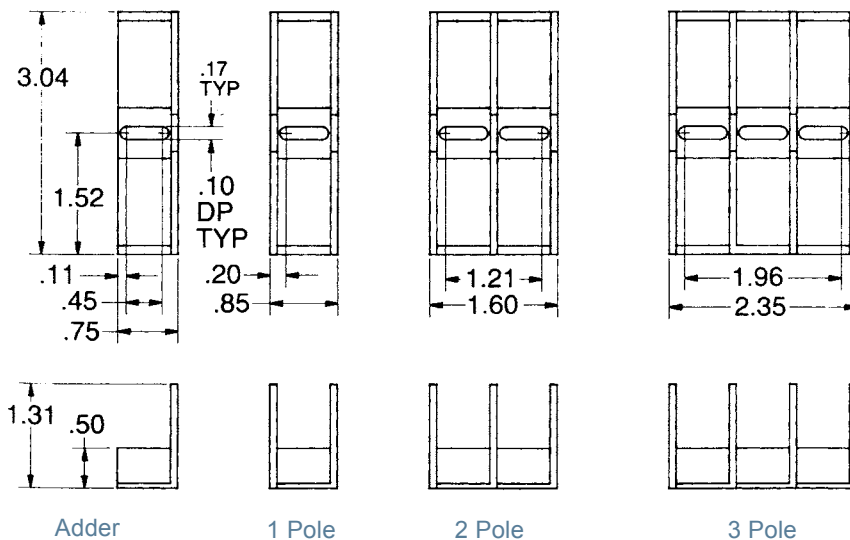
Note: To convert Midget or Class CC adder pole to single pole, use end barrier #U09301.

* Available in any number of poles. Replace last digit in Catalog Number with number of poles needed.

Example: 303112 is a 12-pole screw/double QC connector Midget Fuse Block. Total width of N poles = $(N \times .76) + .08$ inches. 12 poles = $(12 \times .76) + .08 = 9.20$ inches.

Recommended mounting screws for all Midget and Class CC fuse blocks: #8 (.164" dia.)

Dimensions



CLASS G 480 & 600 Volt Fuse Blocks

480 & 600V Class G Fuse Blocks

Mersen Class G fuse blocks accommodate all 15, 20, 30 and 60 ampere Class G fuses. A choice of box, screw or pressure-plate connectors fit a wide range of stranded or solid copper wire. Insulators are glass-filled polycarbonate (GFPC) with verified dielectric strength in excess of 2500V. Fuse blocks feature a unique adder block which can be snapped onto 1-, 2-, or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper alloy.

Features/Benefits:

- Unique integral DIN-rail adapters for 15, 20 & 30A blocks
- Unique adder-block design (all ampere ratings) for design flexibility
- Spring reinforcing standard for 60A clips
- Features high conductivity copper alloy fuse clips

Recommended Fuse Usage:

Class G Blocks use with AG

Clip & Connector Types

15, 20, 30, 60A	15, 20, 30A	15, 20, 30A
COPPER BOX CONNECTOR OR ALUMINUM BOX CONNECTOR 	SCREW WITH DOUBLE QUICK-CONNECTS 	PRESSURE PLATE WITH DOUBLE-QUICK CONNECTS 



Ratings:

Volts : 600VAC (15, 20A)
: 480VAC (30, 60A)
Amps : 15A, 20A, 30A, 60A
SCCR : 100kA
: 10kA (when using quick connects)

Temperature/Flammability:
GFPC insulators rated 125°C RTI,
94V-0 flammability

Approvals:

All fuse blocks meet the requirements of UL 4248

- UL Listed guide IZLT, File E52283
- CSA Certified class 6225, File 32169



CLASS G 480 & 600 Volt Fuse Blocks

600 Volt, 15 & 20 Ampere; 480 Volt 30 & 60 Ampere Class G Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.	Fig.	Torque (In - Lbs)
		Type	Wire Range			
15 GFPC Insulator	ADDER 1 2 3	Screw w Double Quick Connects at Both Ends	Cu #10-14	40110G	1	20
				40111G	2	
				40112G	3	
				40113G	4	
	ADDER 1 2 3	Pressure Plate (SEMS) w Double Quick Connects at Both Ends	Cu #10-14	40120G	1	20
				40121G	2	
				40122G	3	
				40123G	4	
20 GFPC Insulator	ADDER 1 2 3	Screw w Double Quick Connects at Both Ends	Cu #10-14	40210G	1	20
				40211G	2	
				40212G	3	
				40213G	4	
	ADDER 1 2 3	Pressure Plate (SEMS) w Double Quick Connects at Both Ends	Cu #10-14	40220G	1	20
				40221G	2	
				40222G	3	
				40223G	4	
30 GFPC Insulator	ADDER 1 2 3	Screw w Double Quick Connects at Both Ends	Cu #10-14	40310G	1	20
				40311G	2	
				40312G	3	
				40313G	4	
	ADDER 1 2 3	Pressure Plate (SEMS) w Double Quick Connects at Both Ends	Cu #10-14	40320G	1	20
				40321G	2	
				40322G	3	
				40323G	4	
60 GFPC Insulator	ADDER 1 2 3	Copper Box	Cu #6-14	40350G	1	35
				40351G	2	
				40352G	3	
				40353G	4	
	ADDER 1 2 3	Aluminum Box	Al/Cu #2-14	40605G	5	45
				40606G	6	
				40607G	7	
				40608G	8	
60 GFPC Insulator	ADDER 1 2 3	Copper Box	Cu #4-14	40655G	5	45
				40656G	6	
				40657G	7	
				40658G	8	

Dimensions

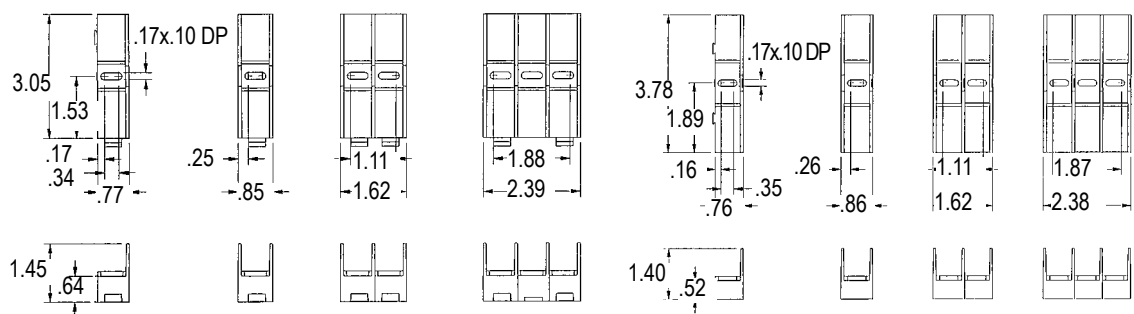


Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

CLASS H, K & R

250 & 600 Volt Fuse Blocks

250 & 600V Class H, K & R Fuse Blocks

Mersen Class H, K and R fuse blocks accommodate all Class H, K and R 250 and 600V power fuses. A choice of screw, pressure plate, box and special order stud connectors fit a wide range of stranded or solid copper or aluminum wire. Insulators are either molded glass-filled polycarbonate (GFPC) or phenolic with verified dielectric strength in excess of 2500V. 30, 60 and 100A fuse blocks feature a unique adder block which can be snapped onto 1-, 2- or 3-pole blocks to form multi-pole segmented blocks of as many poles as desired. All fuse clips are made of high conductivity tin-plated copper, with a choice of spring reinforced or non-spring reinforced clips in 30A and 60A. Clips 100A and above are spring reinforced.

Recommended Fuse Usage:

Class R Blocks (250V) use with A2D-R, A2K-R, TR-R

Class R Blocks (600V) use with A6D-R, A6K-R, TRS-R

Class H & K Blocks (250V) use with OT, RF, A2Y types 1 & 3 OTN, CRN, NRN

Class H & K Blocks (600V) use with OTS, RFS, A6Y types 1 & 3 CRS, NRS

Clip & Connector Types

30A & 60A Clips		Connectors		Connectors	
Spring Reinforced Class R		Non-Spring Reinforced 30A & 60A Box		Spring Reinforced 30A & 60A Box	
Class H & K		Non-Spring 30A Screw		Spring 30A Screw (R)	
Non-Spring Reinforced		Non-Spring 30A Pressure Plate		Spring 30A Screw	
				Spring Reinforced 30A Pressure Plate	
Connectors					
Spring Reinforced 100A Box		Spring Reinforced 400A Box In-Line Clip			
Spring 200A Box Side Clip		Spring 400A Box Side Clip			



Ratings:

Volts : 250VAC / DC

: 600VAC / DC

Amps : 30A, 60A, 100A, 200A,
400A, 600A

SCCR: : 10kA with class H fuses
: 50kA with class K fuses
: 200kA with class R fuses

Approvals:

- All fuse blocks meet the requirements of UL 4248
- UL listed, guide IZLT, File E52283
- UL recognized component guide IZLT2, file E52283
- CSA certified class 6225, File 32169



CLASS H, K & R 250 & 600 Volt Fuse Blocks

250 Volt, 30 & 60 Ampere Class H, K and R Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.			Fig.	Connector Torque In - lb
		Type	Wire Range	Class H & K Non-Spring Reinforced	Class H K Spring enforced	Class R Spring Reinforced		
30 GFPC Insulator	ADDER	BOX	Al/Cu #2-14	20300	20305	20305R	1	35
	1			20301*	20306*	20306R*	2	
	2			20302	20307	20307R	3	
	3			20303	20308	20308R	4	
	ADDER	SCREW	Cu #10-14	20310	20315	20315R	1	20
	1			20311*	20316*	20316R*	2	
	2			20312	20317	20317R	3	
	3			20313	20318	20318R	4	
	ADDER	PRESSURE PLATE	Cu #10-14	20320	20325	20325R	1	20
	1			20321*	20326*	20326R*	2	
	2			20322	20327	20327R	3	
	3			20323	20328	20328R	4	
	ADDER	BOX	Cu** #4-14	-	20355	20355R	1	35
	1			-	20356*	20356R*	2	
	2			-	20357	20357R	3	
	3			-	20358	20358R	4	
60 GFPC Insulator	ADDER	BOX	Al/Cu #2-14	20600	20605	20605R	5	45
	1			20601	20606	20606R	6	
	2			20602	20607	20607R	7	
	3			20603	20608	20608R	8	
	ADDER	BOX	Cu** #4-14	-	20655	20655R	5	45
	1			-	20656	20656R	6	
	2			-	20657	20657R	7	
	3			-	20658	20658R	8	

Note: To convert 30A adder pole to single pole, use end barrier #U09322. To convert 60A adder pole to single pole, use end barrier #U09365.

* 1-pole, 30A block does not accept adder pole.

** Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended mounting screws for all 30A and 60A fuse blocks: #10 (.190" dia.)

Dimensions

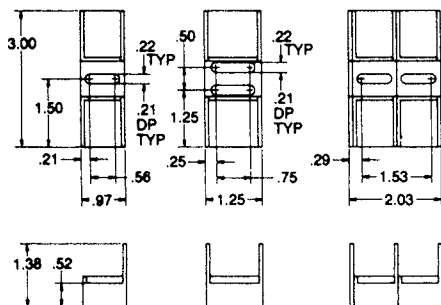


Figure 1

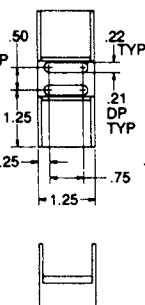


Figure 2

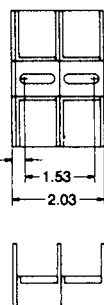


Figure 3

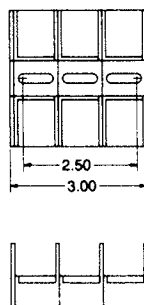


Figure 4

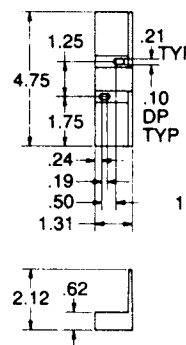


Figure 5

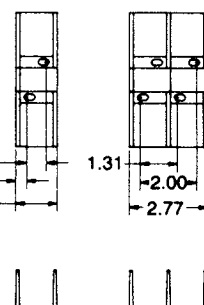


Figure 6

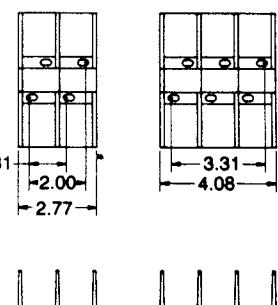


Figure 7

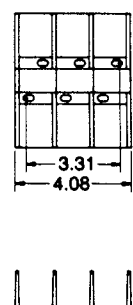


Figure 8

CLASS H, K & R 250 & 600 Volt Fuse Blocks

250 Volt, 100 & 200 Ampere Class H, K and R Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.		Fig.	Connector Torque In - lb
		Type	Wire Range	Class H & K Spring Reinforced	Class R Spring Reinforced		
100 GFPC Insulator	ADDER			21035	21035R	1	120
	1	Box	Al/Cu 2/0-#6	21036	21036R	2	
	2			21037	21037R	3	
	3			21038	21038R	4	
	ADDER			21005	21005R	1	50
	1	Box	Cu* 2/0-#12	21006	21006R	2	
	2			21007	21007R	3	
	3			21008	21008R	4	
200 Phenolic Insulator	1	Box Side-Clip	AL/Cu	22001	22001R	5	375
	3		350kcmil-#6	22003	22003R	6	
	1	Box Side-Clip	Cu*	22051	22051R	5	275
	3		350kcmil-#6	22053	22053R	6	

Note: To convert 100A adder pole to single pole, use end barrier #U09363.

*Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended mounting screws:

All 100A-1/4" (.250" dia.)

200A, 1-pole - #10 (.190" dia.)

200A, 3-pole - 5/16" (.313" dia.)

Dimensions

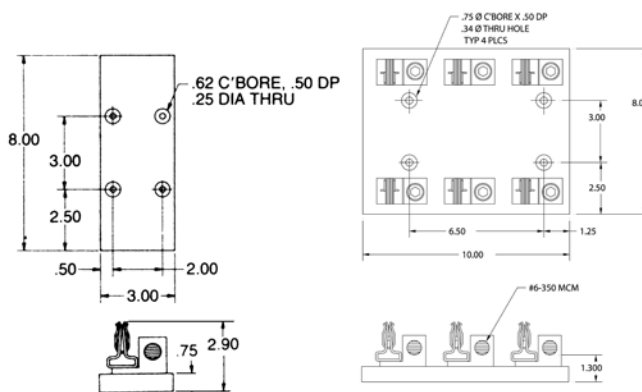
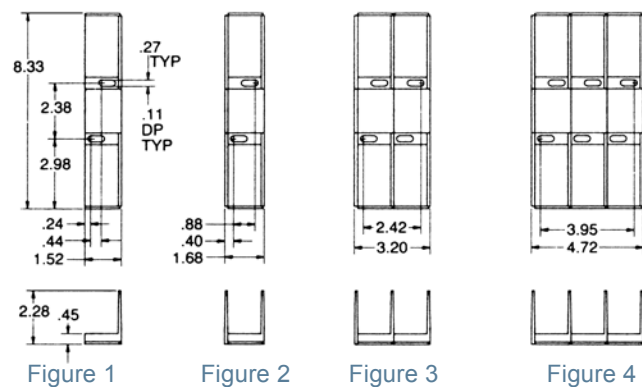


Figure 5

Figure 6

For the most current product performance data visit ep.mersen.com and use catalog search.

CLASS H, K & R 250 & 600 Volt Fuse Blocks

250 Volt, 400 & 600 Ampere Class H, K and R Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.		Fig.	Connector Torque In - lb
		Type	Wire Range	Class H & K Spring Reinforced	Class R Spring Reinforced		
400 Phenolic Insulator	1	Box*	Al/Cu	24001	24001R	1	375
	3	Side-Clip	1000-250kcmil	24003	24003R	2	
	1	Box*	Cu**	24051	24051R	1	375
	3	Side-Clip	1000-250kcmil	24053	24053R	2	
	1	Box	Al/Cu	24031	24031R	3	275
	3	In-Line Clip	(2) 350kcmil-#4	24033	24033R	4	
600 Phenolic Insulator	1	Box	Al/Cu	2631	2631R	5	500
	3	In-Line Clip	(2) 500kcmil-#4	2633	2633R	6	
	1	Box	Cu**	2661	2661R	5	375
	3	In-Line Clip	(2) 500kcmil-#4	2663	2663R	6	

*Not UL Listed or CSA Certified

**Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended mounting screws for all 400A and 600A fuse blocks: 5/16 (.313" dia.)

Dimensions

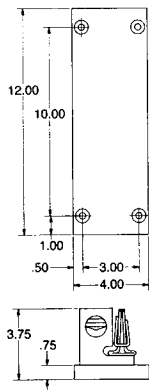


Figure 1

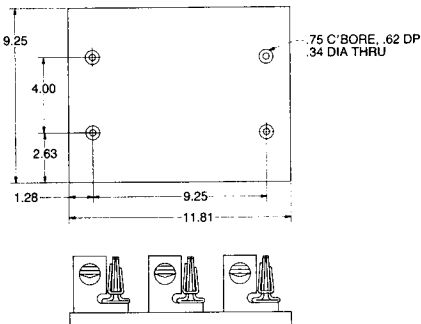


Figure 2

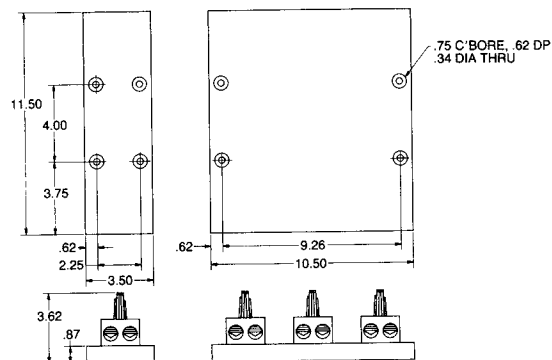


Figure 3

Figure 4

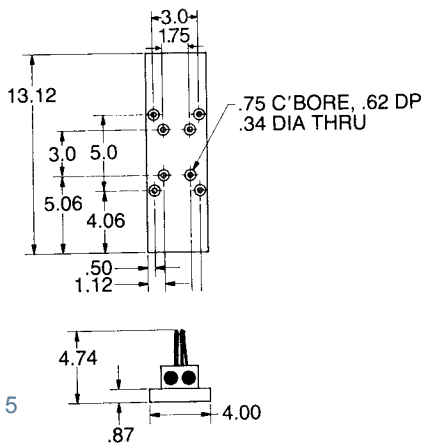


Figure 5

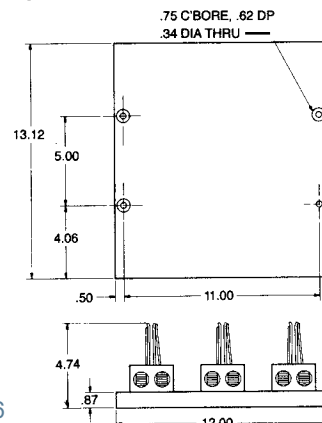


Figure 6

CLASS H, K & R 250 & 600 Volt Fuse Blocks

600 Volt, 30 & 60 Ampere Class H, K and R Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.			Fig.	Connector Torque In - lb
		Type	Wire Range	Class H & K Non-Spring Reinforced	Class H & K Spring Reinforced	Class R Spring Reinforced		
30 GFPC Insulator	ADDER	Box	Al/Cu #2-14	60300	60305	60305R	1	35
	1			60301	60306	60306R	2	
	2			60302	60307	60307R	3	
	3			60303	60308	60308R	4	
	ADDER	Screw	Cu #10-14	60310	60315	60315R	1	20
	1			60311	60316	60316R	2	
	2			60312	60317	60317R	3	
	3			60313	60318	60318R	4	
	ADDER	Pressure Plate	Cu #10-14	60320	60325	60325R	1	20
	1			60321	60326	60326R	2	
	2			60322	60327	60327R	3	
	3			60323	60328	60328R	4	
	ADDER	Box	Cu* #4-14	-	60355	60355R	1	35
	1			-	60356	60356R	2	
	2			-	60357	60357R	3	
	3			-	60358	60358R	4	
60 GFPC Insulator	ADDER	Box	Al/Cu #2-14	60600	60605	60605R	1	45
	1			60601	60606	60606R	2	
	2			60602	60607	60607R	3	
	3			60603	60608	60608R	4	
	ADDER	Box	Cu* #4-14	-	60655	60655R	1	45
	1			-	60656	60656R	2	
	2			-	60657	60657R	3	
	3			-	60658	60658R	4	

Note: To convert 30A or 60A adder pole to single pole, use end barrier #U09361.

* Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended mounting screws for all 30A and 60A fuse blocks: 1/4" (.250" dia.)

Dimensions

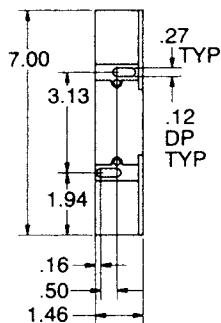


Figure 1

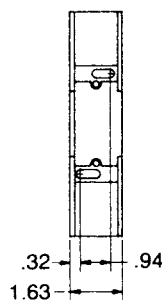


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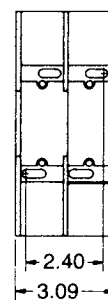


Figure 3

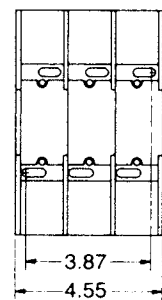


Figure 4

CLASS H, K & R 250 & 600 Volt Fuse Blocks

600 Volt, 100 & 200 Ampere Class H, K and R Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.		Fig.	Connector Torque In - lb
		Type	Wire Range	Class H & K Spring Reinforced	Class R Spring Reinforced		
100 Insulator	ADDER	Box	Al/Cu 2/0-#6	61035	61035R	1	120
	1			61036	61036R	2	
	3			61038	61038R	3	
	ADDER	Box	Cu* 2/0-#12	61005	61005R	1	50
	1			61006	61006R	2	
	3			61008	61008R	3	
200 Insulator	1	Box	Al/Cu	62001	62001R	4	375
	3	Side-Clip	350kcmil-#6	62003	62003R	5	
	1	Box	Cu*	62051	62051R	4	275
	3	Side-Clip	350kcmil-#6	62053	62053R	5	

* Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

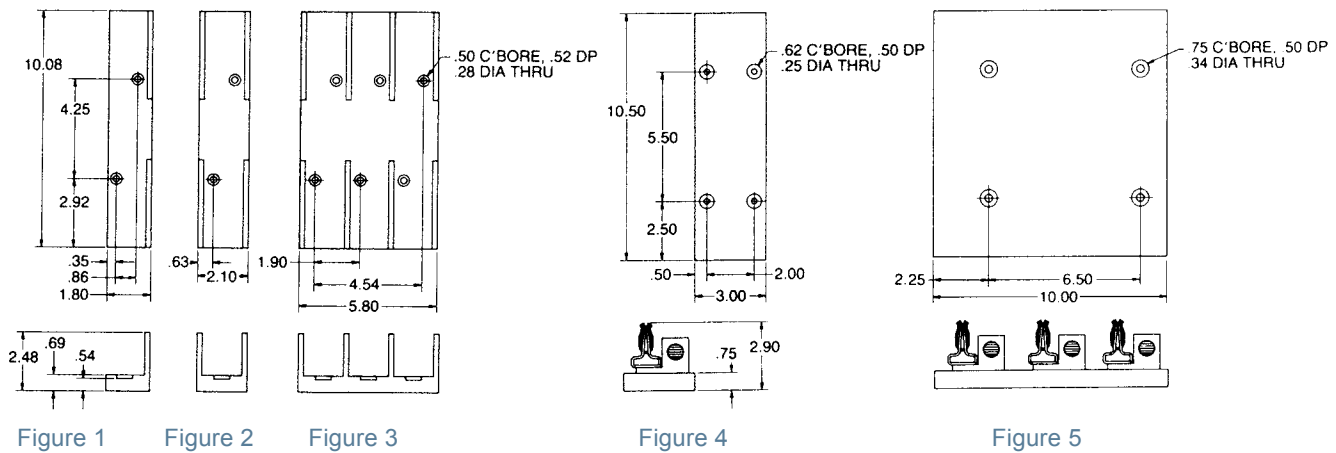
Recommended mounting screws:

All 100A-1/4" (.250" dia.)

200A, 1-pole - #10 (.190" dia.)

200A, 3-pole - 5/16" (.313" dia.)

Dimensions



CLASS H, K & R 250 & 600 Volt Fuse Blocks

600 Volt, 400 & 600 Ampere Class H, K and R Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.		Fig.	Connector Torque In - lb
		Type	Wire Range	Class H & K Spring Reinforced	Class R Spring Reinforced		
400 Phenolic Insulator	1	Box*	Al/Cu	64001	64001R	1	375
	3	Side-Clip	1000-250kcmil	64003	64003R	2	
	1	Box*	Cu**	64051	64051R	1	375
	3	Side-Clip	1000-250kcmil	64053	64053R	2	
	1	Box	Al/Cu	64031	64031R	3	275
	3	In-Line Clip	(2) 350kcmil-#4	64033	64033R	4	
600 Phenolic Insulator	1	Box	Cu**	64061	64061R	3	275
	3	In-Line Clip	(2) 350kcmil-#6	64063	64063R	4	
	1	Box	Al/Cu	6631	6631R	5	500
	3	In-Line Clip	(2) 500kcmil-#4	6633	6633R	6	
	1	Box	Cu**	6661	6661R	5	375
	3	In-Line Clip	(2) 500kcmil-#4	6663	6663R	6	

*Not UL Listed or CSA Certified

**Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended mounting screws for all 400A and 600A fuse blocks: 5/16 (.313" dia.)

Dimensions

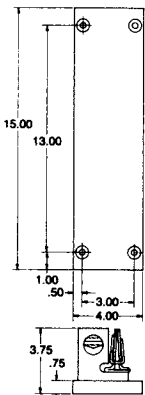


Figure 1

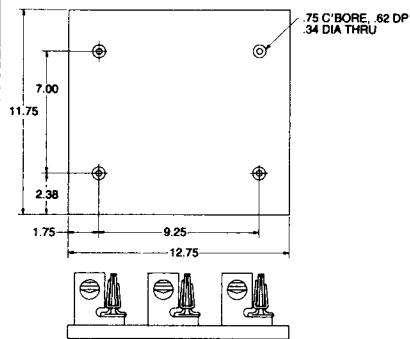


Figure 2

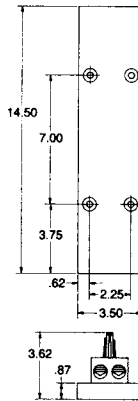


Figure 3

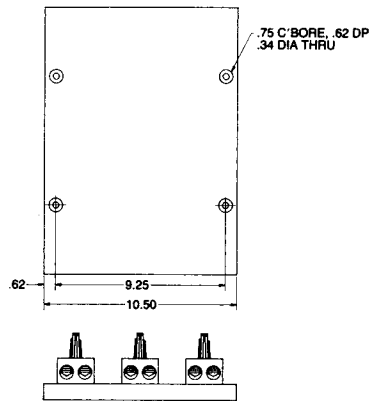


Figure 4

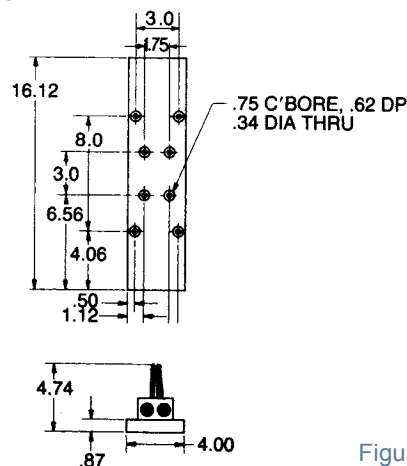


Figure 5

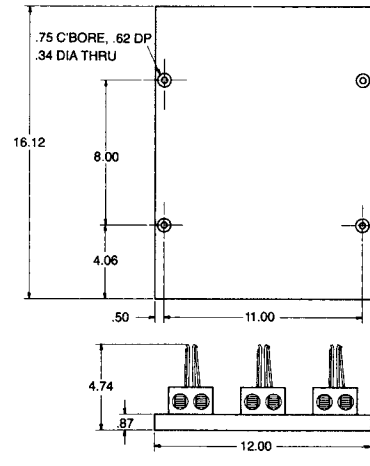


Figure 6

CLASS T 300 & 600 Volt Fuse Blocks

300 & 600V Class T Fuse Blocks

Mersen Class T fuse blocks accommodate Class T fuses up to 600A. Insulators are either durable, glass-filled polycarbonate (GFPC) or phenolic with verified dielectric strength in excess of 2500V. Mersen is the only manufacturer to offer Class T blocks with copper connectors.

Features/Benefits:

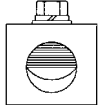
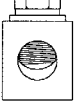
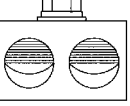
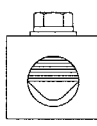
- Unique integral DIN-rail adapters for 600V, 30 & 60A blocks
- Full barrier design (30 & 60A) increases pole to pole safety
- Unique adder-block design (30 & 60A) for design flexibility
- Spring reinforcing standard for all 30 & 60A clips
- Features high conductivity copper alloy fuse clips
- Cool running high amperage (100 - 600A) connectors
- Copper connectors available 30 - 600A

Recommended Fuse Usage:

Class T Blocks (300V) use with A3T

Class T Blocks (600V) use with A6T

Clip & Connector Types

Spring Reinforced 30A & 60A Clips	Connectors for Spring Reinforced 30A & 60A Clips	Connectors	Connectors
300V - 30A 600V - 30A 	30A - 60A Box 	100A Box Side Clip 	400A Box 
300V - 60A 	30A - 60A Screw 	100A Box 	600A Box 
600V - 60A 	30A - 60A Pressure Plate 	200A Box 	



Ratings:

Volts : 300VAC / DC

: 600VAC / DC

Amps : 30A, 60A, 100A, 200A,
400A, 600A

SCCR : 200kA

Approvals:

- All fuse blocks meet the requirements of UL 4248
- UL listed, guide IZLT, File E52283
- UL recognized component guide IZLT2, file E52283
- CSA certified class 6225, File 32169



CLASS T 300 & 600 Volt Fuse Blocks

300 Volt, 30 & 60 Ampere Class T Fuse Blocks

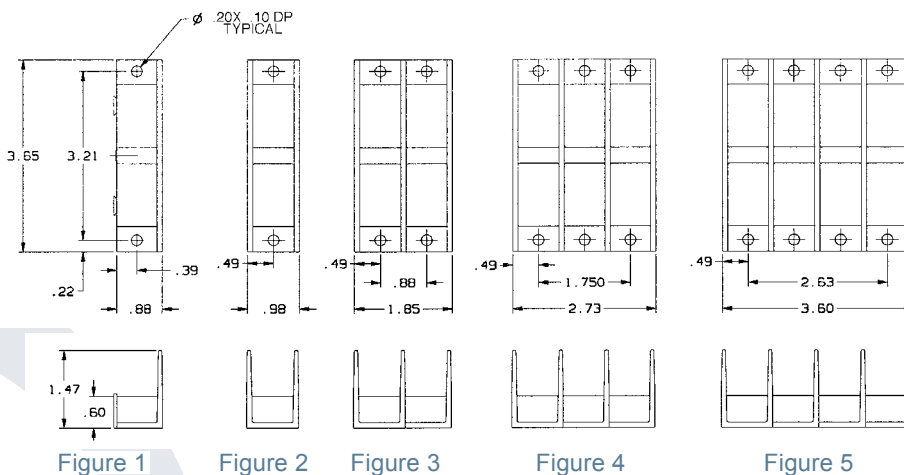
Ampere Rating	Poles	Connector		Catalog No. Spring Reinforced	Fig.	Connector Torque In - lb
		Type	Wire Range			
30 GFPC Insulator	ADDER	Box	Al/Cu #2-14	30305T	1	35
	1			30306T	2	
	2			30307T	3	
	3			30308T	4	
	4			30309T	5	
	ADDER	Screw	Cu #10-14	30315T	1	20
	1			30316T	2	
	2			30317T	3	
	3			30318T	4	
	4			30319T	5	
	ADDER	Pressure Plate	Cu #10-14	30325T	1	20
	1			30326T	2	
	2			30327T	3	
	3			30328T	4	
	4			30329T	5	
	ADDER	Box	Cu* #4-14	30355T	1	35
	1			30356T	2	
	2			30357T	3	
	3			30358T	4	
	4			30359T	5	
	ADDER	Screw	Cu #10-14	30615T**	1	20
	1			30616T**	2	
	2			30617T**	3	
	3			30618T**	4	
	4			30619T**	5	
60 GFPC Insulator	ADDER	Box	Al/Cu #2-14	30605T	1	45
	1			30606T	2	
	2			30607T	3	
	3			30608T	4	
	4			30609T	5	
	ADDER	Box	Cu* #4-14	30655T	1	45
	1			30656T	2	
	2			30657T	3	
	3			30658T	4	
	4			30659T	5	

*Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

** UL Component Recognized

Recommended base mounting screws: #10 (.190" dia.)

Dimensions



For the most current product performance data visit ep.mersen.com and use catalog search.

CLASS T 300 & 600 Volt Fuse Blocks

300 Volt, 100, 200, 400 & 600 Ampere Class T Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No.	Fig.	Connector Torque In - lb	
		Type	Wire Range			Connector	Fuse Bolt
100 Phenolic Insulator	1	Box	Cu*	31001T	1	50	72
	2		2/0-#12	31002T	2		
	3			31003T	3		
200 Phenolic Insulator	1	Box	Al/Cu	32031T	4	275	132
	3		350 kcmil-#6	32033T	5		
	1	Box	Cu*	32051T	4	275	132
	3		350 kcmil-#6	32053T	5		
400 Phenolic Insulator	1	Box	Al/Cu	34031T	6	600	228
	3		600 kcmil-#2	34033T	7		
	1	Box	Cu*	34051T	6	375	228
	3		600 kcmil-#2	34053T	7		
600 Phenolic Insulator	1	Box	Al/Cu	36031T	8	600	360
	1	Box	Cu* (2) 600 kcmil-#2	36051T	8	375	360

† Note: Height includes nominal fuse blade thickness

Recommended base mounting screws:

100A & 200A, #10 (.190" dia.)

400A & 600A, 1/4" (.250" dia.)

Note: * Fuse blocks have copper box connectors and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Dimensions

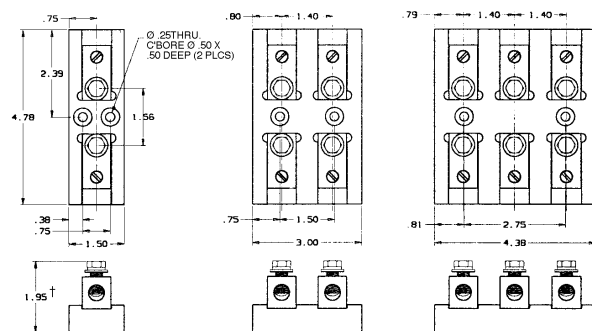


Figure 1

Figure 2

Figure 3

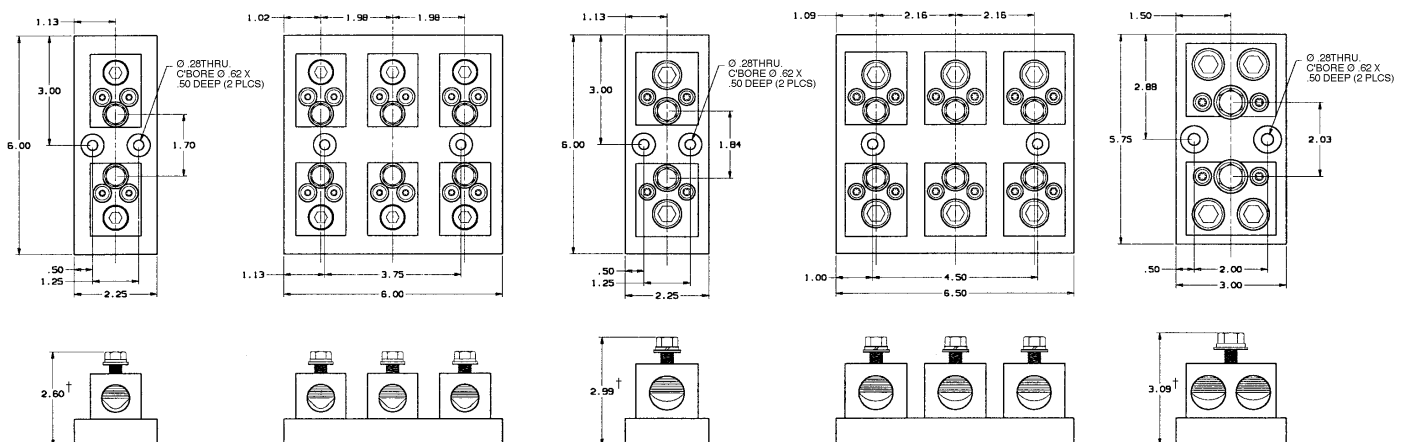


Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

CLASS T 300 & 600 Volt Fuse Blocks

600 Volt, 30 & 60 Ampere Class T Fuse Blocks

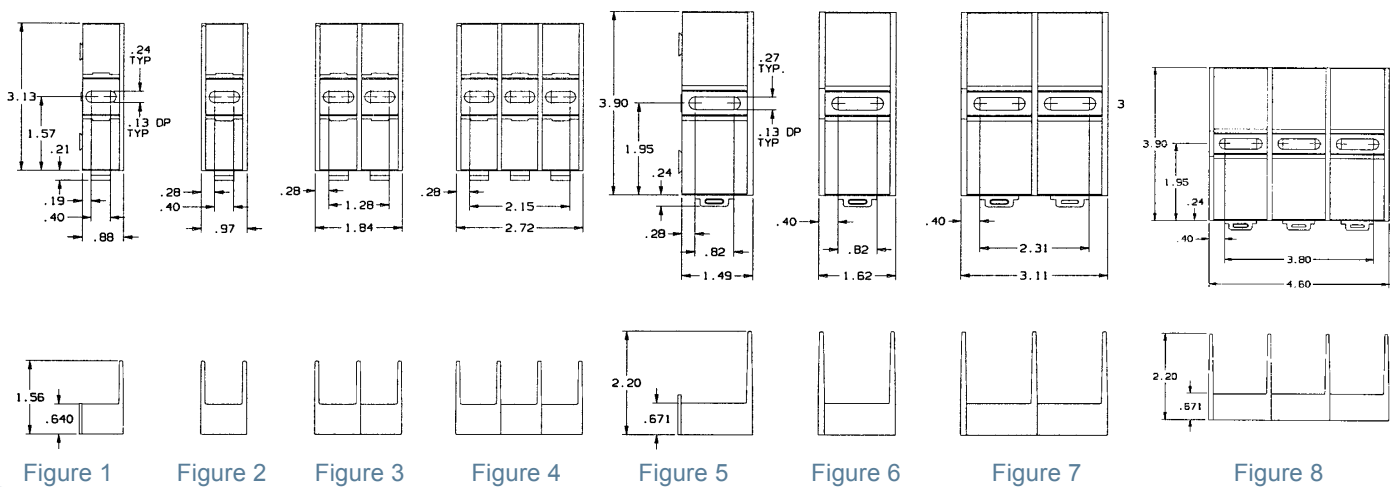
Ampere Rating	Poles	Connector		Catalog No. Spring Reinforced	Fig.	Connector Torque In - lb
		Type	Wire Range			
30 GFPC Insulator	ADDER	Box	Al/Cu #2-14	60305T	1	35
	1			60306T	2	
	2			60307T	3	
	3			60308T	4	
	ADDER	Screw	Cu #10-14	60315T	1	20
	1			60316T	2	
	2			60317T	3	
	3			60318T	4	
	ADDER	Pressure Plate	Cu #10-14	60325T	1	20
	1			60326T	2	
	2			60327T	3	
	3			60328T	4	
	ADDER	Box	Cu* #4-14	60355T	1	35
	1			60356T	2	
	2			60357T	3	
	3			60358T	4	
60 GFPC Insulator	ADDER	Screw	Cu #10-14	60615T**	5	20
	1			60616T**	6	
	2			60617T**	7	
	3			60618T**	8	
	ADDER	Box	Al/Cu #2-14	60605T	5	45
	1			60606T	6	
	2			60607T	7	
	3			60608T	8	
	ADDER	Box	Cu* #4-14	60655T	5	45
	1			60656T	6	
	2			60657T	7	
	3			60658T	8	

*Fuse blocks have copper box connectors and clips and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

** UL Component Recognized

Recommended mounting screws:
30A, #10 (.190" dia.)
60A, 1/4 " (.250" dia.)

Dimensions



CLASS T 300 & 600 Volt Fuse Blocks

600 Volt, 100, 200, 400 & 600 Ampere Class T Fuse Blocks

Ampere Rating	Poles	Connector		Catalog No. Spring Reinforced	Fig.	Torque (In - Lbs)	
		Type	Wire Range			Connector	Fuse Bolt
100 Phenolic Insulator	1	BOX	Al/Cu 2/0-#6	61031T	1	120	72
	2			61032T	2		
	3			61033T	3		
	1	BOX	Cu* 2/0-#12	61051T	1	50	72
	2			61052T	2		
	3			61053T	3		
200 Phenolic Insulator	1	BOX	Al/Cu 350 kcmil-#6	62031T	4	275	132
	3			62033T	5		
	1	BOX	Cu* 350 kcmil-#6	62051T	4	275	132
	3			62053T	5		
400 Phenolic Insulator	1	BOX	Al/Cu 600 kcmil-#2	64031T	6	600	228
	1	BOX	Cu* 600 kcmil-#2	64051T	6	375	228
600 Phenolic Insulator	1	BOX	Al/Cu (2) 600 kcmil-#2	66031T	7	600	360
	1	BOX	Cu* (2) 600 kcmil-#2	66051T	7	375	360

Note: Fuse blocks have copper box connectors and are for copper wires only. These are specifically designed with the same coefficient of expansion as copper wire for improved heat cycling and meet or exceed OEM "no aluminum" specifications.

Recommended base mounting screws:
100A & 200A, #10 (.190" dia.)
400A & 600A, 1/4" (.250" dia.)

Dimensions

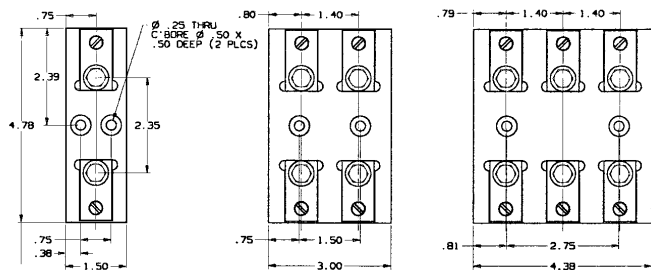


Figure 1

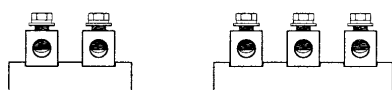


Figure 2

Figure 3

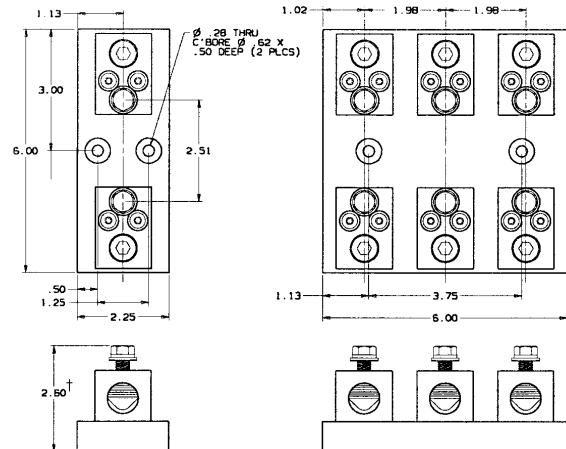


Figure 4

Figure 5

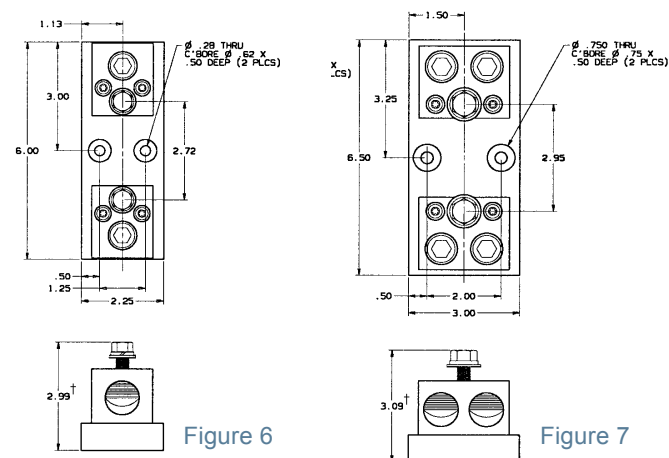


Figure 6

Figure 7

† Note: Height includes nominal fuse blade thickness

FEB, FEC, FEX, FEY

600 Volt In-Line Fuse Holders

Mersen's complete line of single and dual pole in-line fuse holders accommodate either 1-1/2" x 13/32" (10x38mm) midget or Class CC fuses. The fuse holders are designed for quick installation. Securing nuts or screws are captive thus speeding installation by reducing the need to locate and assemble loose components in the field. Three internal O-rings per pole seal the fuse holder providing a water-resistant compartment for the fuse. The captive O-rings are colored (blue for single pole and red for dual pole) for quick detection. Optional cone shaped insulator boots can be slipped on to provide a watertight seal (breakaway versions come with boots standard). Both single and dual pole versions have an optional breakaway feature which safely disconnects the load in case of a pole knockdown. Fuses remain safely encapsulated within the watertight fuse holder on the load side. Once the pole has been reinstalled the fuse holder can be easily reconnected.

Applications:

- Street lighting
- Parking lot lighting
- Traffic signaling
- Sports lighting
- Boats and marinas
- Humid/corrosive environments

Highlights:

- Breakaway version quickly disconnects line side during pole knockdown in compliance with state and federal highway commission standards
- 3 O-rings per pole for water tight applications
- Colored O-rings for quick detection
- Single and dual poles
- Accepts midget or Class CC fuses
- Wide assortment of terminal variations
- High heat, impact resistant insulator
- Captive nut or screw for quick installations
- Polarized dual pole provides simultaneous disconnection
- Permanently installed neutral versions quickly identified by white nuts
- Tulip fuse clip for improved contact and low losses
- Environmentally friendly-no lead solder used
- Highly visible catalog number even with insulation boots installed
- Wire gauge size identified on insulation boots for quick, accurate trimming
- Time delay for motor starting and transformer inrush

Recommended Fuse Usage:

FEB and FEX holders use with:

Midget (1-1/2" x 13/32", 10 x 38mm): ATQ, ATM, TRM, OTM, GGU, GFN, A13X-2, A25Z-2, A60Q-2, A6Y-2B

FEC and FEY holders use with:

Class CC: ATDR, ATMR, ATQR



Ratings:

- Volts:** : 600VAC / DC
Amps : 30A Maximum
SCCR : 200kA (Class CC Fuses)
: 100kA (Midget Fuses)

Temperature Rating 155° C

Approvals:

- UL Listed Class CC Guide IZLT, File E52283
- UL Recognized Component Midget Guide IZLT2, File E52283
- CSA Certified Class CC and Midget Class 6225, File 32169



FEB, FEC, FEX, FEY 600 Volt In-Line Fuse Holders

Catalog Numbering System

Family	Load Terminal		Line Terminal		Option
FEB-	1	1	1	1	-BA

Nomenclature Legend

Family	Description	Load or Line Terminal Type							Option Description
		Terminal End View	Terminal	Type	Wire	No. Per	Solid	Stranded	
FEB	Single pole midget		11	Cu Crimp	#8-#12	1	Yes	Yes	BA (breakaway version equipped with breakaway stud, breakaway boot, and insulating boots for both line and load sides)
FEC	Single pole Class CC		21	Cu Crimp	#12-#14	2	Yes	Yes	
FEX	Dual Pole midget		31	Cu Crimp	#10	2	Yes	Yes	
FEY	Dual pole Class CC		41	Cu Crimp	#6	1	Yes	Yes	
FEY	Dual pole Class CC		21	Cu Crimp	#6	1	Yes	Yes	
FEY	Dual pole Class CC		31	Cu Crimp	#4	1	Yes	No	
FEY	Dual pole Class CC		41	Cu Crimp	#4	1	Yes	Yes	
FEY	Dual pole Class CC		81	Cu single Set Screw	#6	2	Yes	Yes	
FEY	Dual pole Class CC		91	Cu Double Set Screw	#2	1	No	Yes	
FEY	Dual pole Class CC		82	Al single Set Screw	#2-#12	1	Yes	Yes	
FEY	Dual pole Class CC		92	Al double Set Screw	#2-#12	1 each	Yes	Yes	
FEY	Dual pole Class CC		92	Al double Set Screw	#2-#12	1 each	Yes	Yes	
FEY	Dual pole Class CC		S	Cu Stud	N/A	1	N/A	N/A	

Notes:

1. Non-breakaway units do not include insulator boots. These optional cone shaped boots are available to provide a watertight installation. The insulator boots are designed to form a watertight seal over conductors, but due to varying wire insulation sizes it is suggested that tape wrap be utilized for best results.

FSB1 = Single conductor boot (used to cover all crimp type & single set screw terminals)

FSB2 = Double conductor boot (used to cover all double set screw (Y-type) terminals)

Insulator boot trimming instructions: Locate wire gage size to be utilized marking on the boot and cut just beneath it.

2. Tightening torque for single and double set screw terminations: 35 lbs.-in.

3. Tightening torque for dual pole fastening screw: 10-15 lbs.-in.

4. FEBN versions have a permanently mounted dummy fuse for neutral applications.

FEB, FEC, FEX, FEY 600 Volt In-Line Fuse Holders

Mersen In-Line Fuse Holder Family - Typical Combination Chart

Midget 10x38mm	Midget 10x38mm Breakaway	Class CC	Class CC Breakaway	Midget 10x38mm Dual Pole	Midget 10x38mm Dual Pole Breakaway	Class CC Dual Pole	Class CC Dual Pole Breakaway
FEB-11-11	FEB-11-11-BA	FEC-11-11	FEC-11-11-BA	FEX-11-11	FEX-11-11-BA	FEY-11-11	FEY-11-11-BA
FEB-11-21	FEB-11-21-BA	FEC-11-21	FEC-11-21-BA	FEX-11-21	FEX-11-21-BA	FEY-11-21	FEY-11-21-BA
FEB-11-31				FEX-11-31		FEY-11-31	
FEB-11-41	FEB-11-41-BA			FEX-11-41	FEX-11-41-BA	FEY-11-41	
	FEB-11-81-BA						
FEB-11-82	FEB-11-82-BA						
FEB-11-91	FEB-11-91-BA	FEC-11-91	FEC-11-91-BA				FEY-11-91-BA
FEB-11-92	FEB-11-92-BA						
FEB-11-S							
FEB-21-11							
FEB-21-21	FEB-21-21-BA	FEC-21-21	FEC-21-21-BA	FEX-21-21	FEX-21-21-BA	FEY-21-21	FEY-21-21-BA
FEB-21-91	FEB-21-91-BA						
FEB-31-31	FEB-31-31-BA						
FEB-41-41	FEB-41-41-BA						
FEB-81-81	FEB-81-81-BA	FEC-81-81	FEC-81-81-BA	FEX-81-81			FEY-81-81-BA
FEB-81-91	FEB-81-91-BA			FEX-81-91	FEX-81-91-BA	FEY-81-91	
FEB-81-S							
FEB-82-82	FEB-82-82-BA						
FEB-82-92	FEB-82-92-BA						
	FEB-91-91-BA				FEX-81-91-BA		
FEBN-11-11	FEBN-11-11-BA						
FEBN-11-91	FEBN-11-91-BA						
FEBN-81-81	FEBN-81-81-BA						
FEB-SS							
					FEX-81-91-BA		

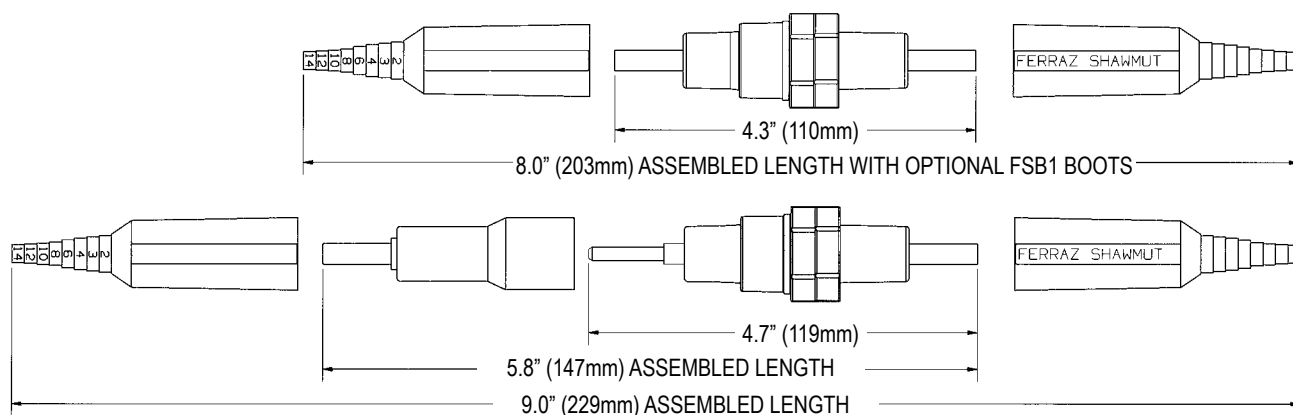
Note: Consult factory for other configurations.

Crimping Tools Reference Chart, the following crimping tools (or equivalent) are recommended:

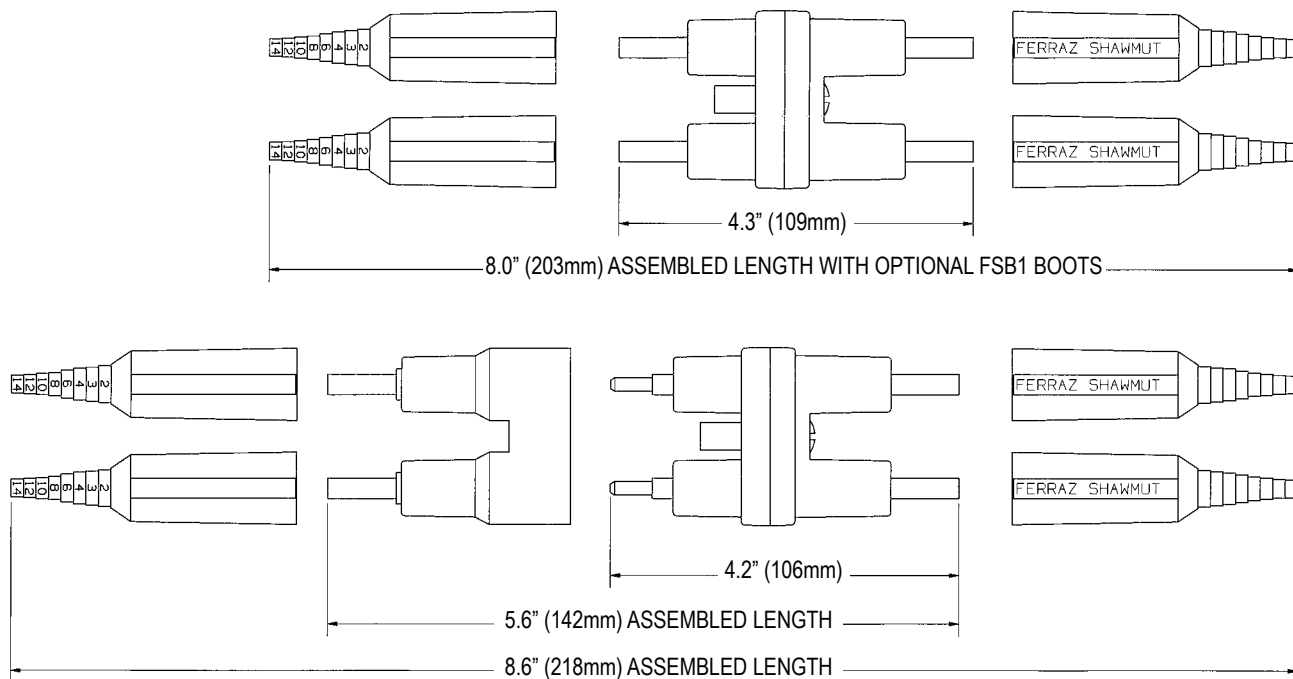
Terminal Type	FCI-Burndy	T&B
1	Y8MRB-1	WT-111M
2	Y2MR	TBM2/TBM5 BLUE DIE, WT-115-A DIE O
3	Y2MR	TBM2/TBM5 GREY DIE, WT-115-A DIE E
4	Y2MR	TBM2/TBM5 BROWN DIE, WT-115-A DIE F

FEB, FEC, FEX, FEY 600 Volt In-Line Fuse Holders

FEB and FEC, Non-Breakaway and Breakaway Assembly Drawings



FEX and FEY, Non-Breakaway and Breakaway Assembly Drawings

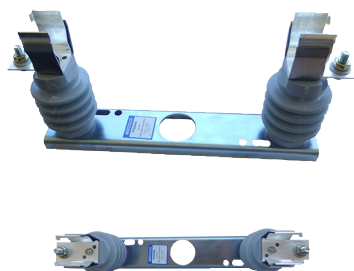


Fuse-bases for cylindrical fuse-links

diameters 20 and 36mm

FUSE HOLDERS, FUSE BASES AND SUPPORTS

SEMICONDUCTOR & SPECIAL PURPOSE FUSE BASES & ACCESSORIES



Fuse holders for ferrule-type fuses

- 20.6 x 190
- 36 x 127
- 36 x 190
- 36 x 250
- 36 x 400

Vibration withstand:

These semiconductor AC/DC ferrule fuse holders are tested with sine vibrations carried out at ambient, scanning each of the 3 main axes.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5$ mm peak.

2nd segment (16 to 250 Hz) constant acceleration $\gamma = 5$ g peak.

Exponential scanning speed: 1 octave per minute.

Duration: 2 hours per axis

FEATURES & BENEFITS

- Sturdy assembly with very high collision withstand
- Mounting as base with or without microswitch
- Polyester isolators for all applications

APPLICATIONS

- SI 36x127 BS fuse holder may be used for rolling stock
- "TRAC" for SI 36x190 and SI 36x400 means that fuse holder may be used for rolling stock with reinforced fixing of clips on isolators

MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

Fuse-bases for cylindrical fuse-links

diameters 20 and 36mm

PRODUCT RANGE

Fuse-bases SI, size 20.6x190

Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Rated impulse withstand voltage U_{imp}	Tightening torque	Design	Weight	Package
SI85-20-190	Y092665	20.6x190	7200 V	7200 V	50 A	60 kV	10 ± 2 Nm	M8 screws	60 g	1
SI85-20190TRACM	B220525	20.6x190	7200 V	7200 V	50 A	60 kV	10 ± 2 Nm	M8 screws	1.2 kg	1

Fuse-bases SI, size 36x127

Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Tightening torque	Design	Weight	Package
SI36127BS	N091920	36x127	2500 V	2500 V	200 A	7 ± 1,5 Nm	M5 screws	0.535 kg	1
SI36127BSMCR	E091935	36x127	2500 V	2500 V	200 A	7 ± 1,5 Nm	M5 screws	0.572 kg	1

Fuse-bases SI, size 36x190

Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Rated impulse withstand voltage U_{imp}	Tightening torque	Design	Weight	Package
SI85-36-190TRA	C092738	36x190	7200 V	7200 V	100 A	60 kV	10 ± 2 Nm	M8 screws	1.295 kg	1
SI85-36190TRACM	B220617	36x190	7200 V	7200 V	100 A	60 kV	10 ± 2 Nm	M8 screws	1.36 kg	1

Fuse-bases SI, size 36x250

Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Rated impulse withstand voltage U_{imp}	Tightening torque	Design	Weight	Package
SI85-36-250	P092864	36x250	7200 V	7200 V	50 A	60 kV	10 ± 2 Nm	M8 screws	1.32 kg	1

Fuse-bases SI, size 36x400

Catalog number	Reference number	Size	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Rated impulse withstand voltage U_{imp}	Tightening torque	Design	Weight	Package
SI85-36400TRAC	D092831	36x400	7200 V	7200 V	20 A	60 kV	10 ± 2 Nm	M8 screws	1400 g	1

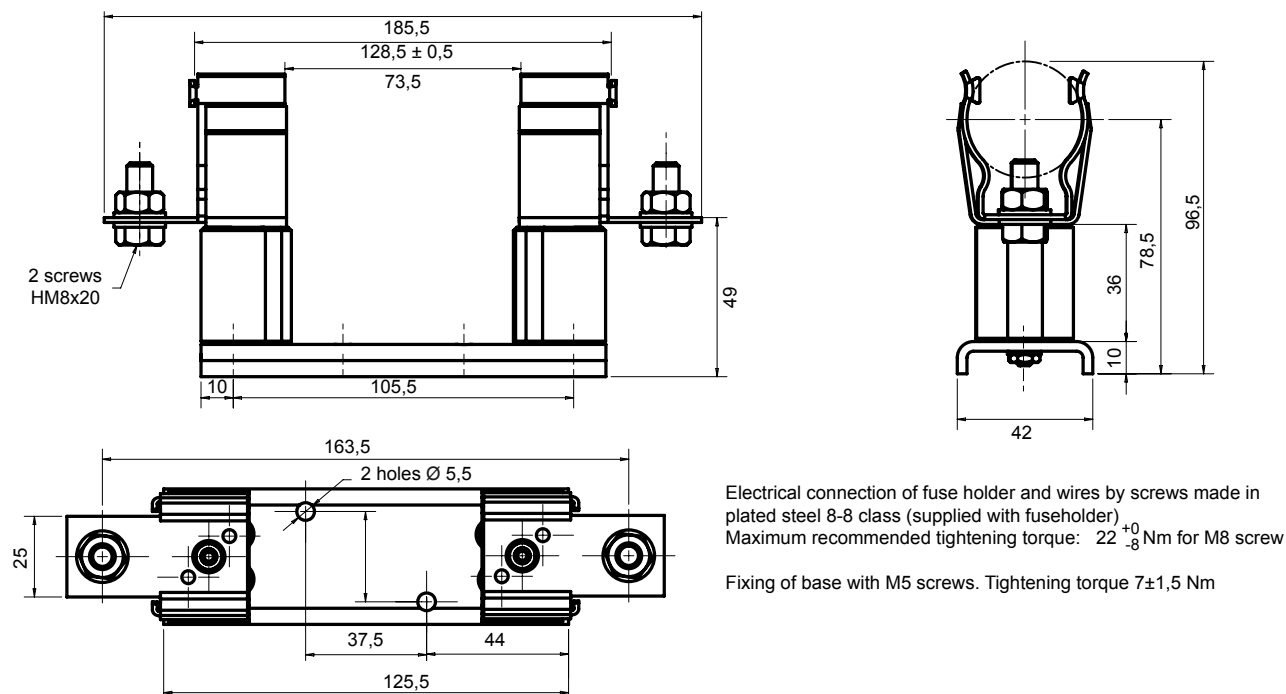
MERSEN reserves the right to change, update or correct, without notice, any information contained in this datasheet.

Fuse-bases for cylindrical fuse-links

diameters 20 and 36mm

DIMENSIONS

SI 36x127 without microswitch



Dimensions in mm

diameters 20 and 36mm

SI 36x127 with microswitch

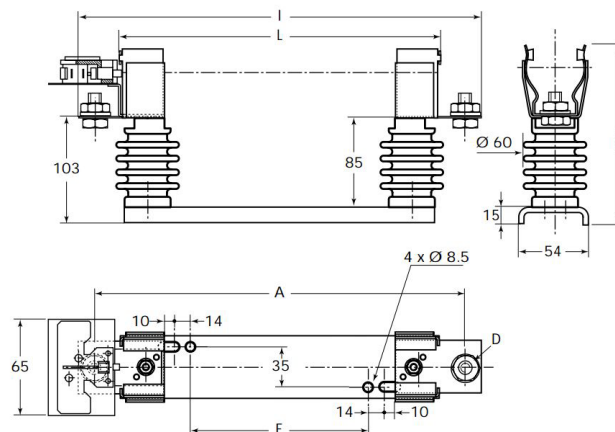
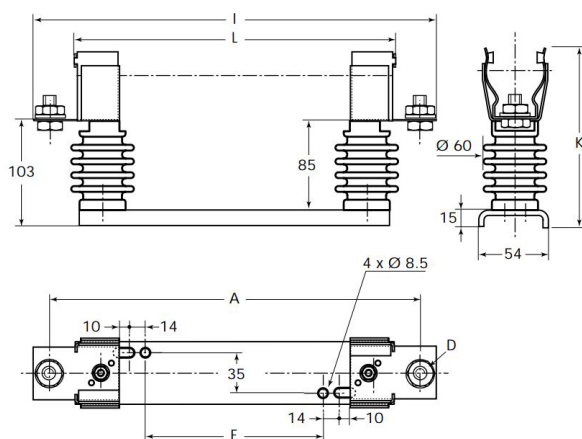


Fuse-bases for cylindrical fuse-links

diameters 20 and 36mm

DIMENSIONS

SI 20x190, 36x190, 36x250, 36x400 with & without microswitch



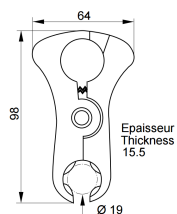
Designation	Catalog number	I	L	A	F	D	K
SI 85 20x190	SI85-20-190	241	192	223	73	6.5	131
SI 85 20 x 190 + MC 1-5	SI85-20190TRACM	288	192	223	73	6.5	
SI 85 36 x 190 TRAC	SI85-36-190TRA	250	194	228	73	8.5	150.5
SI 85 36 x 190 + MC 2R1-5	SI85-36190TRACM	250	194	228	73	8.5	
SI 85 36 x 250	SI85-36-250	316	260	294	139	8.5	
SI 85 36 x 400 TRAC	SI85-36400TRAC	455	399	433	266	8.5	

Electrical connection of fuse holder and wires by screws made in plated steel 8-8 class (supplied with fuseholder)
Maximum recommended tightening torque: 22^{+0}_{-8} Nm for M8 screw (SI 85 20x...)

Fixing of base with M8 screws. Tightening torque 10 ± 2 Nm

Dimensions in mm

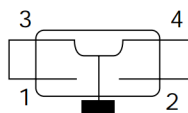
SI 20x190 only



Cat. Number: PMCP 20 + 22
Ref. Number: K 100036
Weight: 40 g
Packaging: 1

Dimensions in mm

Microswitch characteristics



With hand reset reversing-type microswitch 10A - 250V AC with $\cos \phi = 0.3$
#1 and 3 terminals must always be connected
Each microswitch weighs less than 100g, therefore no fume and smoke grade required
Positive operating voltage/current : 20 V - 100 mA
6.35 mm slip on connector tags

Microswitch current rating	Interrupting rating
10A - 50Hz	7A - 250V
	10A - 30V
10A - DC	2.2A - 110V

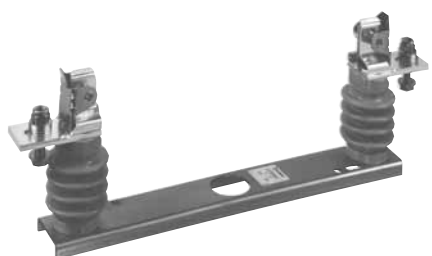
Positive operating voltage/current : 20 V - 100 mA
6.35 mm slip on connector tags



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for DC other Blades Fuses - Size 300 & 602: SPV



FUSE HOLDERS FOR BLADE-TYPE CV3 FUSES



- STURDY ASSEMBLY WITH VERY HIGH COLLISION AND TEMPERATURE WITHSTAND
- MOUNTING AS BASES
- FIBER-GLASS POLYESTER OR CERAMIC INSULATORS FOR BASIC APPLICATIONS, IN CORROSIVE ATMOSPHERES OR IN TRACTION
- VERY HIGH COLLISION WITHSTAND FOR TRACTION INTERLOCKING OF REPLACEMENT PART
- COMPLYING WITH IEC 77 STANDARD

Main Characteristics

Designation	Catalog Number	Insulation voltage (V)	Current (A)	Dielectric withstand test (kV)		Fire and fumes class
		Ui (AC 50/60 Hz & DC)		RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs	
SPV 300		7 200	180	20	40	UL 94 VO
SPV 600		7 200	180	20	40	Ceramic insulator

No use limitation for FERRAZ SHAWMUT fuses mounted in the above holders.

Vibration withstand:

Tests with sine vibrations carried out at ambient with scanning each of the three main holder axes.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5 \text{ mm peak}$.

2nd segment (16 to 250 Hz) constant acceleration $\gamma = 5 \text{ g peak}$.

Exponential scanning speed: 1 octave per minute.

Duration: 2 hours per axis.



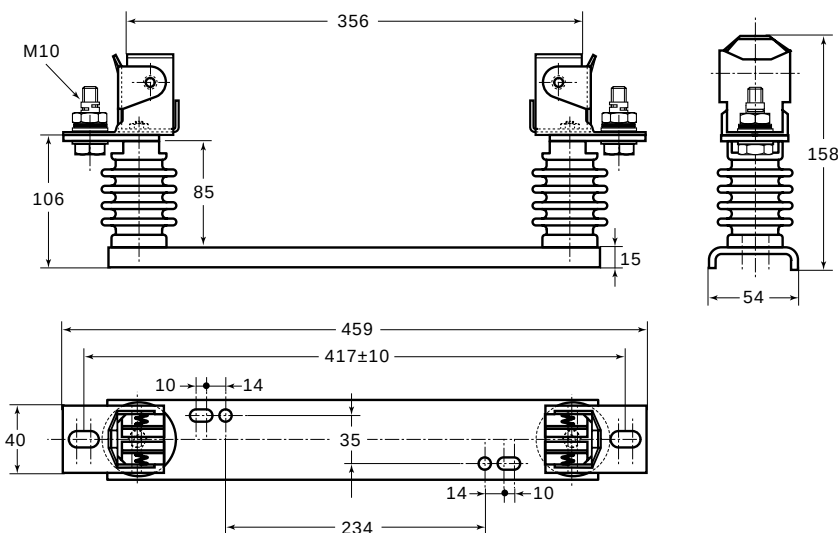
Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for DC other Blades Fuses - Size 300 & 602: SPV

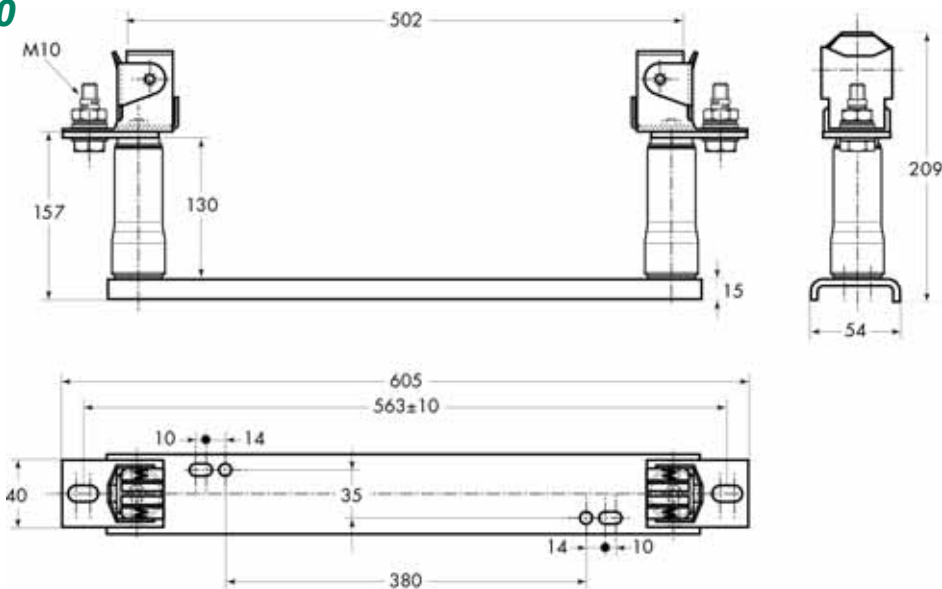
FUSE HOLDERS FOR BLADE-TYPE CV3 FUSES

SPV 300



Designation	Ref. Number	Cat. Number	Weight (g)	Packaging
SPV 300	W 098965	SPV300	1 830	1

SPV 600



Designation	Ref. Number	Cat. Number	Weight (g)	Packaging
SPV 600	T 098963	SPV600	3 100	1

- Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class (supplied with fuseholder). Maximum recommended tightening torque: 44 ± 1 Nm for M10 screw.
- Fixing of base with M8 screws. Tightening torque $10 \text{ Nm} \pm 2$.



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other DC Bracket Fuses - Size 70 & 602: SQ

FUSEHOLDERS FOR BRACKET STYLE CV3 FUSES



- MOUNTING IN ONE-POLE FUSEHOLDER SIMPLIFIES REPLACEMENT OF FUSES FOR INSTALLATIONS CONNECTED WITH CABLES AND BARS
- FOR BRACKET-TYPE FUSES BOLTED TIGHTENING
- "TRAC" MODELS WITH VERY HIGH COLLISION WITHSTAND FOR TRACTION COMPLYING WITH IEC 77 STANDARD

Main Characteristics

Designation	Catalog Number	Insulation voltage (V) Ui (AC 50/60 Hz & DC)	Current (A)	Dielectric withstand test (kV)		Fire and fumes class
				RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs	
SQ 70	SQ70	2 500	215	18 Kv	20 Kv	—
SQ 70 BS TRAC	SQ70BSTRAC	2 500	215	18 Kv	20 Kv	UL 94 VO
SQ 72	SQ72	2 500	400	18 Kv	20 Kv	—
SQ 72 BS TRAC	SQ72BSTRAC.	2 500	400	18 Kv	20 Kv	UL 94 VO
SQ 2 x 72	SQ120	2 500	840	18 Kv	20 Kv	—
SQ 2 x 72 BS TRAC	SQ122	2 500	840	18 Kv	20 Kv	Ceramic insulator
SQ 120	SQ85300	2 500	215	18 Kv	20 Kv	—
SQ 122	SQ85302	2 500	420	18 Kv	20 Kv	—
SQ 2 x 122	SQ130/2X302	2 500	900	18 Kv	20 Kv	Ceramic insulator
SQ 85 300	SQ85600	7 200	180	34 Kv	40 Kv	UL 94 VO
SQ 85 302	SQ85602	7 200	400	34 Kv	40 Kv	UL 94 VO
SQ 120 2 x 302	SQ2X72	7 200	400	34 Kv	40 Kv	Ceramic insulator
SQ 85 600	SQ2X72BSTRAC	7 200	150	34 Kv	40 Kv	UL 94 VO
SQ 85 602	SQ2X122	7 200	375	34 Kv	40 Kv	UL 94 VO
SQ 175 2 x 602	SQ1752X602	12 000	750	32 Kv	40 Kv	Ceramic insulator

No use limitation for FERRAZ SHAWMUT fuses mounted in the above holders.

Vibration withstand:

Tests with sine vibrations carried out at ambient with scanning each of the three main axes of the holder.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5 \text{ mm peak}$.

2nd segment (16 to 250 Hz) constant acceleration $\gamma = 5 \text{ g peak}$.

Exponential scanning speed: 1 octave per minute.

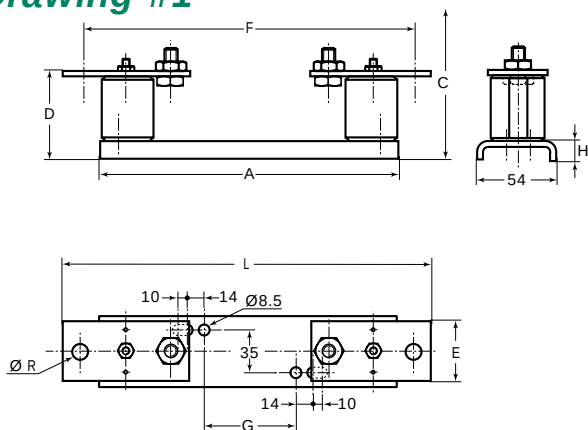
Duration: 2 hours per axis.

Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for other DC Bracket Fuses - Size 70 & 602: SQ

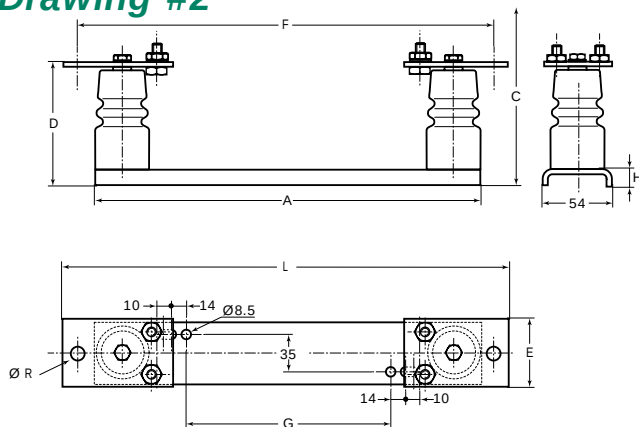
Drawing #1



Designation	Ref. Number	Cat. Number	Weight (g)
SQ 70	G 098975		860
SQ 70 BS TRAC	M 221386		1040
SQ 72	H 098976		990
SQ 72 BS TRAC	T 098986		1065
SQ 120	K 098978		940
SQ 122	L 098979		1050
SQ 85 300	V 098481		1480
SQ 85 302	W 098482		1540
SQ 120 2 x 302	P 098982		2800
SQ 85 600	X 098483		1740
SQ 85 602	Y 098484		1935

Pack: 1 piece

Drawing #2



Designation	Ref. Number	Cat. Number	Weight (g)
SQ 2 x 72	J 098977		2620
SQ 2 x 72 BS TRAC	X 098989		2840
SQ 2 x 122	M 098980		2700
SQ 175 2 x 602	Q 092244		3620

Pack: 1 piece

Catalog Number	Drawing #	A	C ⁽¹⁾	D	E	F	G	H	L	Ø R*
SQ 70	1	248	106,5	51	45	293	94	15	323	10,5
SQ 72	2	248	130,5	51	60	298	94	15	333	12,5
SQ 2 x 72	2	272	222,5	148	60	298	119	14	333	12,5
SQ 120	1	302	106,5	51	45	347	148	15	377	10,5
SQ 122	2	302	130,5	51	60	352	148	11	387	12,5
SQ 2 x 122	2	326	227,5	148	60	352	173	15	387	12,5
SQ 85 300	1	377	150	103	45	398	224	15	428	10,5
SQ 85 302	2	377	175	103	60	403	224	15	438	10,5
SQ 120 2 x 302	2	377	225	148	60	403	224	15	438	10,5
SQ 85 600	1	525	150	103	45	546	372	15	576	10,5
SQ 85 602	2	525	265	190	60	551	372	15	586	10,5
SQ 175 2 x 602	2	525	265	190	60	551	372	15	586	10,5

(1) With fuse connected

- Electrical connection of fuse on fuseholder by screws made in plated steel 8-8 class (supplied with fuseholder).

Maximum recommended tightening torque: $22 \pm \frac{0}{8}$ Nm for M8 screw.

- Fixing of base with M8 screws. Tightening torque 10 Nm $\pm$ 2.

* Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class at least (supplied in "TRAC" version and not supplied in standard version.)

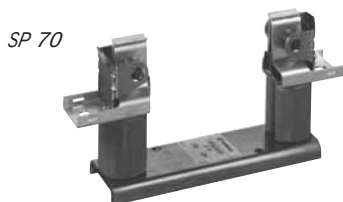
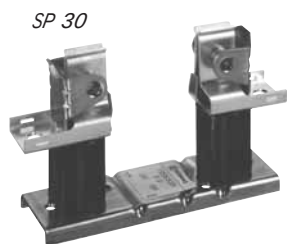
Maximum recommended tightening torque: $22 \pm \frac{0}{8}$ Nm for M8 screw.

$44 \pm \frac{0}{8}$ Nm for M10 screw.

$76 \pm \frac{0}{8}$ Nm for M12 screw.



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other Blade Fuses - Size 30 to 123: SE, SP, SF



SP - SE - SF FUSEHOLDERS FOR "E" BLADE-TYPE FUSES

- MOUNTING IN ONE-POLE FUSEHOLDER SIMPLIFIES REPLACEMENT OF FUSES FOR INSTALLATIONS CONNECTED WITH CABLES AND BARS
- FOR "E" BLADE-TYPE FUSES
 - ELASTIC TIGHTENING FOR SIZES 0 TO 2
 - BOLTED TIGHTENING FOR SIZE 3

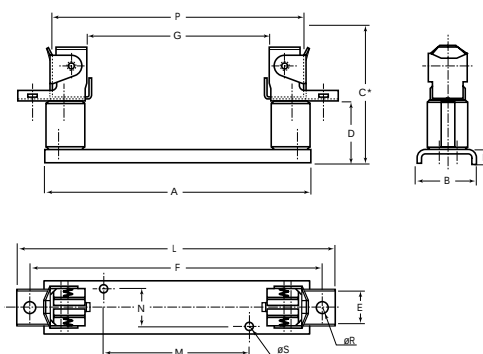
Main Characteristics

Designation	Catalog Number	Insulation voltage (V) U_i	Current (A)	Maximum power* (W)	Dielectric withstand test (kV)	
		(AC 50/60 Hz & DC)			RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs
SP 30		1 250	550	31	13	20
SP 70		1 500	630	31	13	20
SP 43 120		2 500	200		13	20
SE 31		1 250	800	59	13	20
SE 32		1 250	1 800	95	13	20
SE 71		1 500	1 000	59	13	20
SE 72		1 500	1 250	95	13	20
SE 43-91		2 000	350		13	20
SE 43-92		2 000	500		13	20
SE 43 121		2 500	315		13	20
SE 43 122		2 500	500		13	20
SF 50-33		3 200	2 500	110	24	20
SF 50-73		3 200	1 800	110	24	20
SF 50-93		3 200	1 800		24	20
SF 50-123		3 200	1 800		24	20

* Maximum fuse operating current: see fuses data sheet.

Dimensions

Drawing #1 "SP" elastic tightening

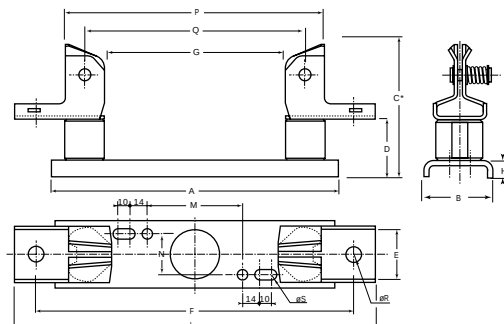


Semiconductor Fuses

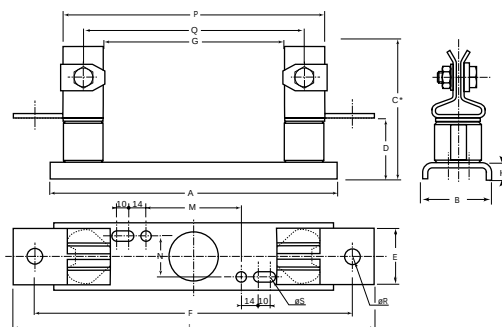
AC+DC Square-boby Fuse Bases

Bases for other Blade Fuses - Size 30 to 123: SE, SP, SF

Drawing #2 "SE" elastic tightening



Drawing #3 "SF" bolted tightening



NB: For SF 50-33 types fixing dimension 14 becomes 12.5

Designation	Cat. Number	Drawing #	A	B	C*	D	E	F	G	H	L	M	N	P	Q	Ø R	Ø S
SP 30		1	138	42	109	46	26	134.5	54.5	8.5	155	52	28	98.5		8.5	5.5
SP 70		1	148	42	110.5	47.5	26	168	88	10	188	60	28	138		8.5	5.5
SP 43 120		1	194.5	42	125	54.5	26	214.5	134.5	10	234.5	106.5	28	184		8.5	5.5
SE 31		2	148	42	116	46.5	32	158.5	61.5	8.5	190.5	60	28	111.5	86.6	10.5	5.5
SE 32		2	150	54	126	49	42	180	56	10	216	45	35	126	91	12.5	8.5
SE 71		2	148	42	116	46.5	32	182	85	8.5	214	60	28	135	110	10.5	5.5
SE 72		2	150	54	126	49	42	204	80	10	240	45	35	150	115	12.5	8.5
SE 43-91		2	174	42	123	48	32	209	111	10	241	86	28	161	136	10.5	5.5
SE 43-92		2	176	54	133	50	42	230	106	15	266	23	35	176	141	12.5	8.5
SE 43 121		2	204.5	42	130	54	32	238.5	141.5	10	270.5	116.5	28	191.5	166.5	10.5	5.5
SE 43 122		2	230.5	54	140	60	42	260.5	136.5	15	296.5	77.5	35	206.5	171.5	12.5	8.5
SF 50-33		3	150	60	171	65	40	186	56	15	226	NBfig.3	35	126	91	18	8.5
SF50-73		3	174	60	171	65	40	210	80	15	250	21	35	150	115	18	8.5
SF 50-93		3	200	60	176	70	40	236	106	15	276	47	35	176	141	18	8.5
SF 50-123		3	230.5	60	176	70	40	266.5	136.5	15	306.5	77.5	35	206.5	171.5	18	8.5

* Dimension with fuse.

– Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class (not supplied).

Maximum recommended tightening torque:

M8 : 22 $\begin{smallmatrix} +0 \\ -8 \end{smallmatrix}$ Nm

M12 : 76 $\begin{smallmatrix} +0 \\ -8 \end{smallmatrix}$ Nm

M16 : 100 $\begin{smallmatrix} +0 \\ -10 \end{smallmatrix}$ Nm

– Fixing of base with screws:

M5 (for sizes 0 and 1) : 7 $\pm$ 1,5 Nm

M8 (for sizes 2 and 3) : 22 $\begin{smallmatrix} +0 \\ -8 \end{smallmatrix}$ Nm



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other Blade Fuses - Size 30 to 123: SE, SP, SF

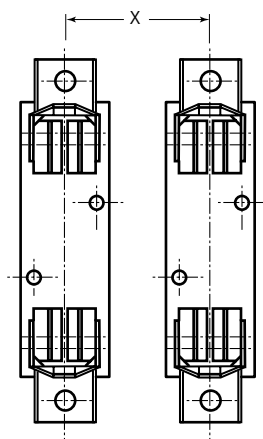
**SP - SE - SF FUSEHOLDERS
FOR "E" BLADE-TYPE FUSES**

References

Designation	Ref. Number	Catalog Number	Weight (g)	Packaging
SP 30	T 096939	SP30	370	1
SP 70	F 096099	SP70	400	1
SP 43 120	W 226247	SP43-120	500	1
SE 31	J 098701	SE31	435	1
SE 32	K 098702	SE32	900	1
SE 71	V 098711	SE71	470	1
SE 72	W 098712	SE72	940	1
SE 43-91	X 226179	SE43-91	955	1
SE 43-92	Y 226180	SE43-92	955	1
SE 43 121	T 226245	SE43-121	540	1
SE 43 122	V 226246	SE43-122	1 026	1
SF 50-33	B 209186	SF50-33	1 550	1
SF 50-73	C 209187	SF50-73	1 590	1
SF 50-93	X 209090	SF50-93	1 625	1
SF 50-123	Y 209091	SF50-123	1 720	1

Distance "X" between Pole axes (without partition)

	Designation	Operating voltage U						
		400 V	550 V	690 V	750 V	1 000 V	1 250 V	1 500 V
Without partition	SP 30 SP 70 SP 43 120	45	50	54	55	60	65	68
	SE 31 SE 71 SE 43-91 SE 43-121	56	61	65	66	71	76	79
	SE 32 SE 72 SE 43-92 SE 43-122	65	70	74	75	80	85	88
	SF 50-33 SF 50-73 SF 50-93 SF 50-123	79,5	84,5	88,5	89,5	94,5	99,5	102,5



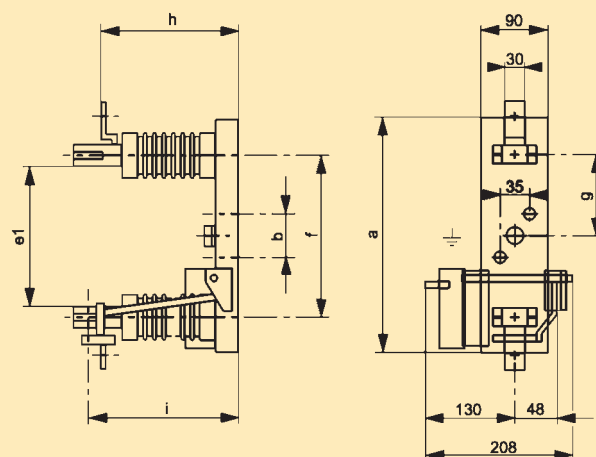
Akcesoria

	Ilość biegunów	U _n [V]	Długość korpusu [mm]	Ilość	Typ	Dodatkowe przelaczniki	
						bez (...-0)	z (...-1)
						Nr artykułu	Nr artykułu
	1	12	192	1	UH1-12/192...	Q9250100	Q9250101
		12	292	1	UH1-12/292...	Q9350100	Q9350101
		24	442	1	UH1-24/442...	Q9470100	Q9470101
		36	537	1	UH1-36/537...	Q9580100	Q9580101
	3	12	192	1	UH3-12/192...	Q9250300	Q9250301
		12	292	1	UH3-12/292...	Q9350300	Q9350301
		24	442	1	UH3-24/442...	Q9470300	Q9470301
		36	537	1	UH3-36/537...	Q9580300	Q9580301

	Opis	Ilość	Typ	Nr artykułu
	Przedłużenie wkładki			
	100 mm - „e”: 192 mm > 292 mm	1	VR-1KUS6-10	Q8560010
	250 mm - „e”: 192 mm > 442 mm	1	VR-1KUS6-20	Q8560011
	150 mm - „e”: 292 mm > 442 mm	1	VR-1KUS10-20	Q8560012
	95 mm - „e”: 442 mm > 537 mm	1	VR-1KUS20-30	Q8560016

Wymiary

Typ	Nr artykułu	Strona
UH1-...		555



Typ	Art.	e1	a	b	f	g	h	i
UH1-12/192...	Q92501...	193	318	55	224	112	184	209
UH1-12/292...	Q93501...	293	418	180	324	162	184	209
UH1-24/442...	Q94701...	443	568	300	474	237	264	289
UH1-36/537...	Q95801...	538	689	380	569	285	354	379

Listwy
bezpiecznikowe
typu L

Rozłączniki
bezpiecznikowe
listwowe typu SL

Rozłączniki
bezpiecznikowe
skrzynkowe
typu KETO i LTL

Obudowy
i skrzynki
poliesterowe

Zaciski kablowe
i transformatorowe

System C|O|S|M|O®
na szynę
w rozstawie 60 mm

Rozłączniki
bezpiecznikowe
poziome typu SASILplus

Przekładniki
prądowe nn

Aparatura
pomiarowa

Ograniczniki
przepięć nn

Urządzenia
do ochrony
fotowoltaiki

Wkładki topikowe
zwłoczne i ultraszybkie
oraz podstawy typu NH

Wkładki topikowe
zwłoczne i ultraszybkie
cylindryczne

Wkładki
topikowe
typu D01-D03, DI-DV

Inne
wkładki
topikowe

**Wkładki
średniego
napięcia**

Przydatne
informacje
techniczne



Semiconductor Fuses AC+DC Square-boby Fuse Bases Bases for other DC Bracket Fuses - Size 70 & 602: SQ

FUSEHOLDERS FOR BRACKET STYLE CV3 FUSES



- MOUNTING IN ONE-POLE FUSEHOLDER SIMPLIFIES REPLACEMENT OF FUSES FOR INSTALLATIONS CONNECTED WITH CABLES AND BARS
- FOR BRACKET-TYPE FUSES BOLTED TIGHTENING
- "TRAC" MODELS WITH VERY HIGH COLLISION WITHSTAND FOR TRACTION COMPLYING WITH IEC 77 STANDARD

Main Characteristics

Designation	Catalog Number	Insulation voltage (V) Ui (AC 50/60 Hz & DC)	Current (A)	Dielectric withstand test (kV)		Fire and fumes class
				RMS voltage 1 mn 50/60 Hz	Impulse voltage 1.2/50µs	
SQ 70	SQ70	2 500	215	18 Kv	20 Kv	—
SQ 70 BS TRAC	SQ70BSTRAC	2 500	215	18 Kv	20 Kv	UL 94 VO
SQ 72	SQ72	2 500	400	18 Kv	20 Kv	—
SQ 72 BS TRAC	SQ72BSTRAC.	2 500	400	18 Kv	20 Kv	UL 94 VO
SQ 2 x 72	SQ2X72	2 500	840	18 Kv	20 Kv	—
SQ 2 x 72 BS TRAC	SQ2X72BSTRAC	2 500	840	18 Kv	20 Kv	Ceramic insulator
SQ 120	SQ120	2 500	215	18 Kv	20 Kv	—
SQ 122	SQ122	2 500	420	18 Kv	20 Kv	—
SQ 2 x 122	SQ2X122	2 500	900	18 Kv	20 Kv	Ceramic insulator
SQ 85 300	SQ85300	7 200	180	34 Kv	40 Kv	UL 94 VO
SQ 85 302	SQ85302	7 200	400	34 Kv	40 Kv	UL 94 VO
SQ 130 2X302	SQ130/2X302	7 200	400	34 Kv	40 Kv	Ceramic insulator
SQ 85 600	SQ85600	7 200	150	34 Kv	40 Kv	UL 94 VO
SQ 85 602	SQ85602	7 200	375	34 Kv	40 Kv	UL 94 VO
SQ 175 2 x 602	SQ1752X602	12 000	750	32 Kv	40 Kv	Ceramic insulator

No use limitation for FERRAZ SHAWMUT fuses mounted in the above holders.

Vibration withstand:

Tests with sine vibrations carried out at ambient with scanning each of the three main axes of the holder.

Spectrum: 1st segment (2 to 16 Hz) constant displacement $x = 5 \text{ mm peak}$.

2nd segment (16 to 250 Hz) constant acceleration $\gamma = 5 \text{ g peak}$.

Exponential scanning speed: 1 octave per minute.

Duration: 2 hours per axis.

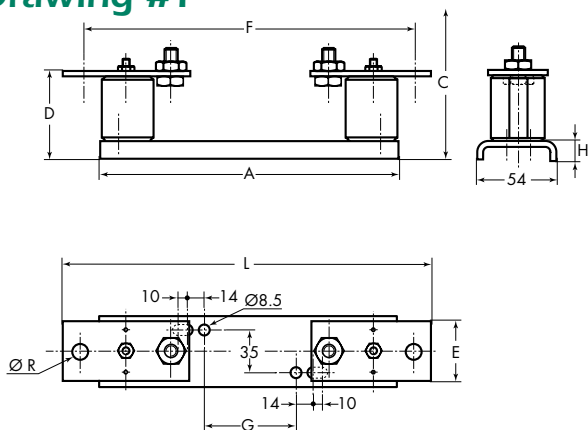


Semiconductor Fuses

AC+DC Square-boby Fuse Bases

Bases for other DC Bracket Fuses - Size 70 & 602: SQ

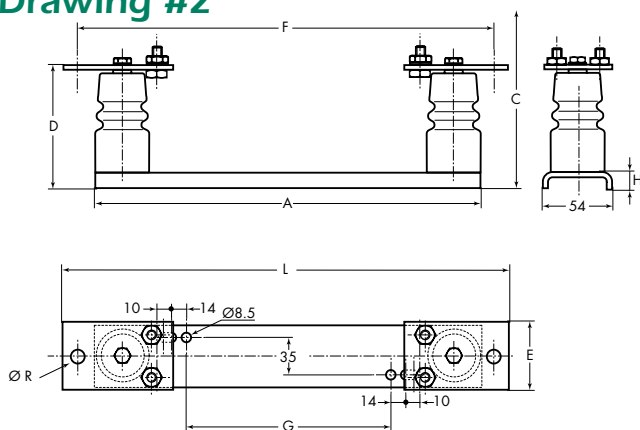
Drawing #1



Designation	Ref. Number	Cat. Number	Weight (g)
SQ 70	G 098975		860
SQ 70 BS TRAC	M 221386		1040
SQ 72	H 098976		990
SQ 72 BS TRAC	T 098986		1065
SQ 120	K 098978		940
SQ 122	L 098979		1050
SQ 85 300	V 098481		1480
SQ 85 302	W 098482		1540
SQ 130 2X302	P 098982		2800
SQ 85 600	X 098483		1740
SQ 85 602	Y 098484		1935

Pack: 1 piece

Drawing #2



Designation	Ref. Number	Cat. Number	Weight (g)
SQ 2 x 72	J 098977		2620
SQ 2 x 72 BS TRAC	X 098989		2840
SQ 2 x 122	M 098980		2700
SQ 175 2 x 602	Q 092244		3620

Pack: 1 piece

Catalog Number	Drawing #	A	C ⁽¹⁾	D	E	F	G	H	L	Ø R*
SQ 70	1	248	106,5	51	45	293	94	15	323	10,5
SQ 72	2	248	130,5	51	60	298	94	15	333	12,5
SQ 2 x 72	2	272	222,5	148	60	298	119	14	333	12,5
SQ 120	1	302	106,5	51	45	347	148	15	377	10,5
SQ 122	2	302	130,5	51	60	352	148	11	387	12,5
SQ 2 x 122	2	326	227,5	148	60	352	173	15	387	12,5
SQ 85 300	1	377	150	103	45	398	224	15	428	10,5
SQ 85 302	2	377	175	103	60	403	224	15	438	10,5
SQ 120 2 x 302	2	377	225	148	60	403	224	15	438	10,5
SQ 85 600	1	525	150	103	45	546	372	15	576	10,5
SQ 85 602	2	525	265	190	60	551	372	15	586	10,5
SQ 175 2 x 602	2	525	265	190	60	551	372	15	586	10,5

(1) With fuse connected

- Electrical connection of fuse on fuseholder by screws made in plated steel 8-8 class (supplied with fuseholder).

Maximum recommended tightening torque: 22^{+0}_{-8} Nm for M8 screw.

- Fixing of base with M8 screws. Tightening torque 10 Nm $\pm$ 2.

* Electrical connection of fuseholder and wires by screws made in plated steel 8-8 class at least (supplied in "TRAC" version and not supplied in standard version.)

Maximum recommended tightening torque: 22^{+0}_{-8} Nm for M8 screw.

44^{+0}_{-8} Nm for M10 screw.

76^{+0}_{-8} Nm for M12 screw.