Body Size 30, 31, 32, 33, 2x32 and 2x33

PSC Square Body

450-700VAC; 40-2500A; aR

Mersen 690/700V Protistor Semiconductor (PSC) square body fuses provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. These square body fuses are available in four different body sizes, each size having more than seven worldwide acceptable mounting styles. The different mounting styles and body sizes along with a broad range of ampere ratings allow greatest flexibility in equipment design.



FEATURES/BENEFITS:

- Choice of mounting styles gives wide choice for equipment design
- Broad range of ampere ratings in a given body size for design flexibility
- UL/CSA/IEC 60269-4 compliance for worldwide semiconductor applications

FUSE BLOCKS:

Catalog No.
SI TT 30/31
SI TT 32/33
SI DIN 80 630
SI DIN 80 1250
SI DIN 110 630
SI DIN 110 1250

See Fusegear section for product details.

RATINGS:

- **Volts:** 450-700 VAC, DC - consult factory
- **Amps:** 40-2500A
- **IR:** 200kA AC

APPLICATIONS:

- Protection of rectifiers, inverters, DC drives, UPS Systems, reduced voltage motor starters, and other equipment in globally accepted applications

APPROVALS:

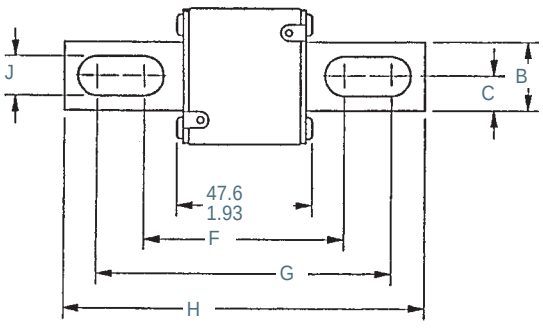
- UL Recognized Component File E76491
- IEC 60269-4 certified
- CSA 012636 0 000
- CCC approved

DIMENSIONS:

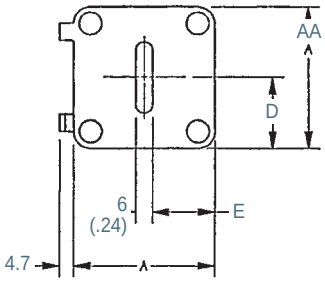
North American Straight Blade, Type KI (Short) and Type LI (Long)

Body Size	Dimensions - mm (in), Type KI and LI					Dimensions - mm (in), Type KI				Dimensions - mm (in), Type LI			
	A	B	C	D	E	F	G	H	J	F	G	H	J
30	40(1.57)	25(.98)	12.5(.49)	21(.83)	18(.71)	68(2.68)	107(4.21)	129(5.08)	10.5(.41)	87.6(3.45)	126.6(4.98)	148.6(5.85)	10.5(.41)
31	51(2.00)	25(.98)	12.5(.49)	25.5(1.00)	22.5(.89)	67.6(2.66)	107.1(4.216)	128.8(5.07)	14.3(.56)	91.6(3.61)	122.4(4.82)	148.6(5.85)	14.6(.57)
32	60(2.36)	32(1.26)	16(.63)	30(1.18)	27(1.06)	74.2(2.92)	109(4.29)	134(5.28)	14.6(.57)	94.2(3.71)	129(5.08)	153(6.02)	14.6(.57)
33	74.5(2.93)	40(1.57)	20(.79)	37.2(1.46)	34.2(1.35)	75.4(2.97)	107.6(4.24)	134(5.28)	15.9(.63)	94.4(3.72)	126.6(.98)	153(6.02)	15.9(.63)

Type KI



Type LI



PSC Square Body

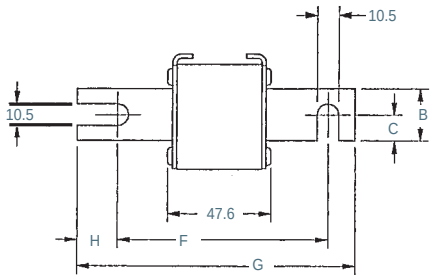
450-700VAC; 40-2500A; aR

DIMENSIONS:

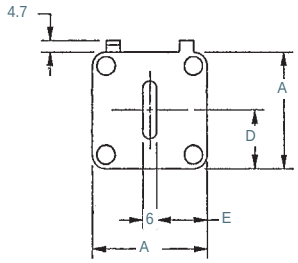
European Blade DIN 80, Type D08A and DIN 110, Type D1A

Body Size	Dimensions - mm D08A and D1A					DIN 80, Type D08A		DIN 110, Type D1A	
	A	B	C	D	E	F	G	F	G
30	40	25	12.5	21	17	77	110	101.6	134.6
31	51	25	12.5	25	22.5	77	110	101.6	134.6
32	60	32	16	30	27	77	110	101.6	134.6
33	74.5	40	20	37.2	34.25	77	110	101.6	134.6

Type D08A



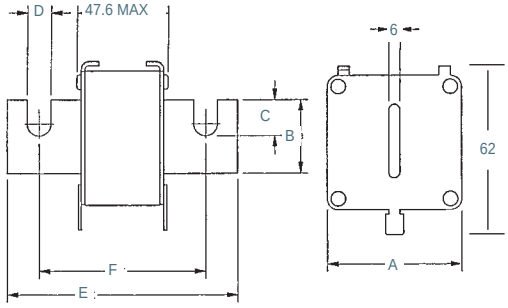
Type D1A



European French Blade, Type EF

Body Size	Dimensions - mm					
	A	B	C	D	E	F
30	40	18	11	9	100	76.6
31	50	25	16	10.5	110	86.5
32	59	32	21.2	13	13	90.8
33	74.5	40	19.5	13	13	91

Type EF



PSC Square Body

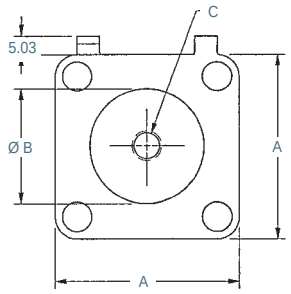
450-700VAC; 40-2500A; aR

DIMENSIONS:

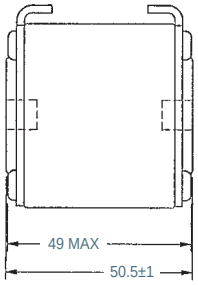
North American Tap Single Hole, Type TTI and TTF

Body Size	Dimensions - in(mm) TTI and TTF		TTI	TTF
	A	B	C	C
30	1.57(40)	1.00(25)	5/16-18 x .35	M8 x 1.25 x 6 DP
31	2.00(50.8)	1.19(30.2)	5/16-18 x .35	M8 x 1.25 x 9 DP
32	2.37(60.3)	1.50(38.1)	3/8-16 x .35	M10 x 1.50 x 9 DP
33	2.94(74.6)	1.81(46)	1/2-13 x .35	M12 x 1.75 x 9 DP

Types TTI



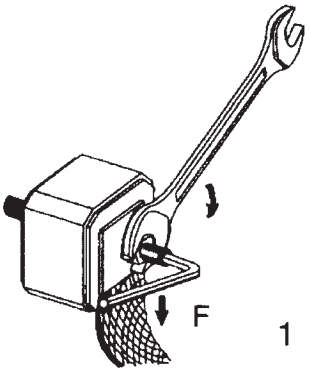
Types TTF

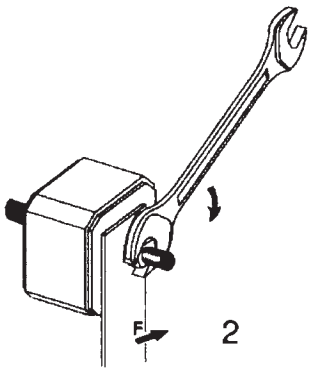


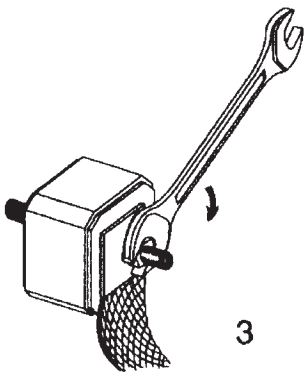
Standard Threaded Studs

Size	Reference No. per Pair	Dimension Per Pair of Studs	Weight (g)	Max Stud Mounting Torque (Nm)*	Max Nut Tightening Torque (Nm)*		
					Fig. 1	Fig. 2	Fig. 3
30 & 31	S098801	HC M8 X 30 & M 8 X 35	23	10	13.5	13.5	13.5
32	T098802	HC M 10 X 30 & M 10 X 50	40	15	26	26	26
33	V098803	HC M 12 X 35 & M 12 X 50	60		46	46	46

**in.lbs = Nm/0.113*







PSC Square Body

450-700VAC; 40-2500A; aR

690/700 Volt, 2x32, 2x33 Protection High speed fuses

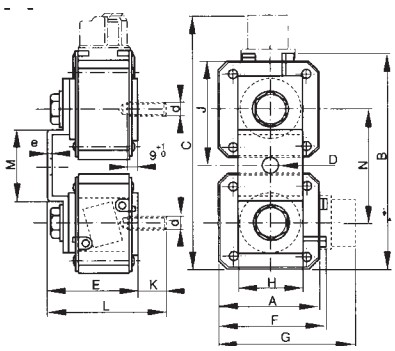
Size	Reference No.	Catalog No.	Legacy Description*	Weight (g)
2 X 32	T300213	PC232UD69V10CTF	6,9URD232TTF1000	1240
	V300214	PC232UD69V13CTF	6,9URD232TTF1250	
	G300087	PC232UD69V14CTF	6,9URD232TTF1400	
	W300215	PC232UD69V16CTD	6,9URD232TDF1600	3300
	X300216	PC232UD69V18CTD	6,9URD232TDF1800	
	Y300217	PC232UD69V20CTD	6,9URD232TDF2000	
	D301993	PC232UD55V22CTD	5,5URD232TDF2200	
2 X 33	D300268	PC233UD66V13CTF	6,6URD233TTF1250	1900
	E300269	PC233UD66V14CTF	6,6URD233TTF1400	
	F300270	PC233UD66V16CTF	6,6URD233TTF1600	
	B300427	PC36UD69V18CP11	6,9URD233PLAF1800	2000
	R302235	PC36UD60V20CP11	6URD233PLAF2000	
	Q302234	PC36UD60V22CP11	6URD233PLAF2200	
	P302233	PC36UD60V25CP11	6URD233PLAF2500	
	N302232	PC36UD60V28CP11	6URD233PLAF2800	
	L301977	PC36UD55V30CP11	5,5URD233PLAF3000	
	M301978	PC36UD55V32CP11	5,5URD233PLAF3200	
	N301979	PC36UD50V36CP11	5URD233PLAF3600	
	P301980	PC36UD50V40CP11	5URD233PLAF4000	
	Q301981	PC36UD45V45CP11	4,5URD233PLAF4500	
	R301982	PC36UD40V50CP11	4URD233PLAF5000	

**Legacy Description for reference only*

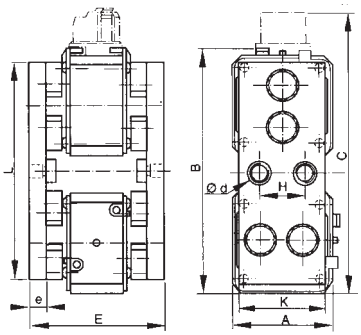
DIMENSIONS (MM)

Size	A	B	C	D	E	F	G	H	J	K	d	e	L	M	N
2x32 TT	60	138.5	172	11	67.6	66.5	100	35	61	40	M 10	4	107.5	48	72
2x33 TT	74.4	167	200	13	67.6	81	114	50	80	40	M 12	4	107.5	54	86
2x32 TD	65.5	147	182	-	91.5	-	-	30	-	60	M 10	12	140	-	-
2x33 PLAF	75	171.5	207	-	55.5	-	115	40	-	71	M 10	15	81	-	-

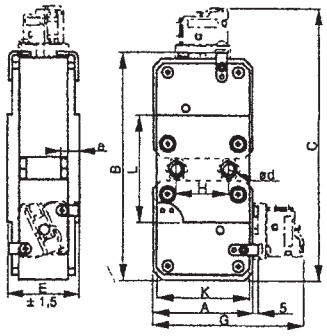
TT



TD



PLAF



Studs and microswitches supplied separately