

690/700 Volt

SEMICONDUCTOR PROTECTION FUSES



Ferraz Shawmut 690/700V PSC fuse-links provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. These square body fuse-links are available in four different body sizes, each size having 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.

The Ferraz Shawmut PSC fuses have been engineered to provide state-of-the-art protection for SCR's, diodes, thyristors, GTO's and IGBT devices. They have pure silver, die-cut elements embedded in solidified sand, which helps control arcing characteristics for low I^2t and high interrupting rating. All contact surfaces are silver plated and all hardware is non-magnetic.

All fuse links are equipped with a low voltage trip-indicator. This trip-indicator can operate a field mountable microswitch which is easily mounted directly onto the fuse even while in service.

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HIGHLIGHTS:

- Extremely Fast Acting
- Current Limiting
- Very Low I^2t
- Worldwide Acceptability
- Superior Cycling Ability

APPLICATIONS:

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

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
- **IEC 269-4 compliance** for worldwide semiconductor applications

Ratings

- **AC:** 40-2500A
500-700 VAC
200 kA IR
- **DC:** Consult Factory

Approvals

- UL Recognized Component
- Sizes 30,31,32,33 tested to IEC 269.4

* For Microswitch information see page J10

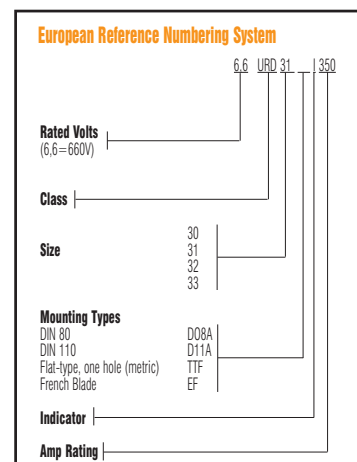
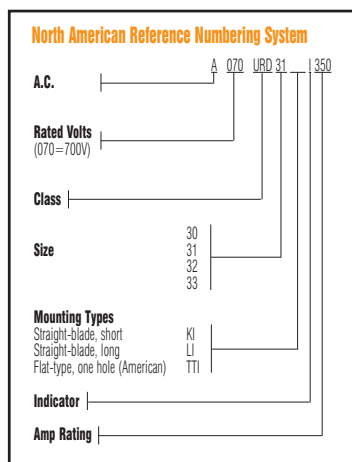


Part Number Designation:

6,6 URD: European/IEC
Mounting Style/Approval
Tested @ 1.1 V_n

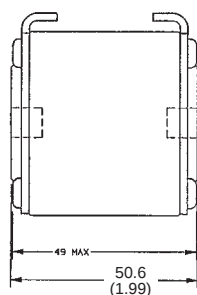
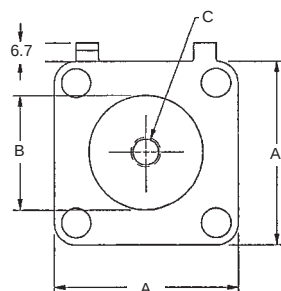
A070 URD: North American
Mounting Style/Approval
Tested @ V_n

* V_n = rated voltage



Outline Dimensions

Types TTI and TTF



North American Flat Single Hole, Type TTI

CATALOG NO.	DIMENSIONS - In/(mm)		
	A	B	C
A070 URD 30 TTI (100-550)	1.57 (40)	1.00 (25)	5/16-18 x .35
A070 URD 31 TTI (200-800)	2.00 (50.8)	1.19 (30.2)	5/16-18 x .35
A070 URD 32 TTI (400-1000) A065 URD 32 TTI 1100 A060 URD 32 TTI 1250 A055 URD 32 TTI (1400-1600)	2.37 (60.3)	1.50 (38.1)	3/8-16 x .35
A060 URD 33 TTI 1800 A070 URD 32 TTI (500-1400) A065 URD 33 TTI 1600 A060 URD 33 TTI 2000 A055 URD 33 TTI 2250 A050 URD 33 TTI 2500	2.94 (74.6)	1.81 (46)	1/2-13 x .35

European Flat Single Hole, Type TTF

CATALOG NO.	DIMENSIONS - mm		
	A	B	C
6,6 URD 30 TTF (50-550)	40	26	M8 x 1.25 x 9 DP
6,6 URD 31 TTF (200-800)	51	30	M8 x 1.25 x 9 DP
6,6 URD 32 TTF (400-1000) 6 URD 32 TTF 1100	60	38	M10 x 1.50 x 9 DP
6, 6 URD 33 TTF (500-1400) 5,5 URD 33 TTF 2000 5 URD 33 TTF 2250 4,5 URD 33 TTF 2500	74.5	46	M12 x 1.75 x 9 DP

Standard Threaded Studs

SIZE	REF. AND DIMENSION PER PAIR OF STUDS	WEIGHT (g)	MAX STUD MOUNTING TORQUE (Nm)	MAX NUT TIGHTENING TORQUE (Nm)		
				FIG1	FIG 2	FIG 3
30 & 31	S 98 801 (HC M8 X 30 & M 8 X 35)	23	13	13.5	13.5	13.5
32	T 98 802 (HC M 10 X 30 & M 10 X 50)	40	15	26	26	26
33	V 98 803 (HC M 12 X 35 & M 12 X 50)	60		46	46	15
2X32	W 98 804 (HC M 10 X 50)	50		26	26	26
2X33	X 98 805 (HC M 12 X 50)	70		46	46	15

Packaging: 6 pairs

