SERIES

1500SPF 速断ヒューズ Fast Acting Fuses

- Fuses are very active, and they are easily influenced by starting currents and surging currents. Please select a fuse with a high enough rating.
- Square body type fuses are excellent in terms of radiation and are able to be used in continuous operating currents which are at 50-60% of the rated current. Please consider the operating conditions and the load current when selecting fuses.
- When a fuse cuts off, voltage which is 2 times larger than the circuit voltage will pass between the fuse electrodes. Please be aware of it.
- Reignition of arc may occur if the interrupted current is less than 10 times larger than the fuses rated current. In this case, the fuse should be used in conjunction with other protectors.

- ヒューズは速断性が有りますから、起動電流、サージ電流等の影響を受けます。ヒューズ定格電流は充分余裕をもって選定して下さい。
- 角形タイプのヒューズは放熱が良い為に、ヒューズ定格電流の50-60%の連続通電電流に使用できます。使用雰囲気、負荷電流を考慮して選定して下さい。
- ヒューズがしゃ断した時、ヒューズ電極間に回路電圧の2倍以内の電圧が発生する場合が有ります。注意してください。
- 直流回路に使用する場合はヒューズ定格電流に対して10倍以下の小電流しゃ断の可能性がある場合は他の保護機

●標準仕様 Standard Specifications

Type	Rated current	I^2t ($\times 10^3 A^2S$) AC1500V		Watts Loss (W)	Dimensions (mm)					Weight	Fig
		Pre-arc	Total I^2t 100KA		A	B	C	D	M	g	
1500SPF- 50S	50	0.5	3.4	11	30×43	103	27	50	M8 Depth 8	370	1
1500SPF- 75S	75	1.0	6.8	20							
1500SPF-100S	100	2.0	13.5	29	51	105	38	61		700	
1500SPF-150S	150	4.0	27.0	40							
1500SPF-200S	200	7.9	54.0	63							
1500SPF-250S	250	12.4	111.0	67	60	105	43	66	M10 Depth 10	1100	
1500SPF-300S	300	15.7	149.0	80							
1500SPF-350S	350	23.4	216.0	95							
1500SPF-400S	400	27.8	255.0	105	75	105	51	75	M12 Depth 12	1700	
1500SPF-450S	450	37.9	325.0	120							
1500SPF-500S	500	49.5	396.0	140							
1500SPF-550S	550	74.0	598.0	148	100	108	63	87		3000	
1500SPF-600S	600	88.0	710.0	155							
1500SPF-800P1	800	115.0	992.0	220	75	125	51	75		3800	2
1500SPF-1000P1	1000	195.0	1600.0	260	100	124	63	87		6600	
1500SPF-1200P1	1200	360.0	2850.0	350							

●UL 仕様 UL Specifications

Type	Rated current	I^2t ($\times 10^3 A^2S$) AC1500V		Watts Loss (W)	Dimensions (mm)					Weight	Fig
		Pre-arc	Total I^2t 100KA		A	B	C	D	M	g	
1500SPF-100	100	2.0	14	29	51	105	39		M8 Depth 8	700	1
1500SPF-150	150	4.0	27	40							
1500SPF-200	200	7.9	54	63							
1500SPF-250	250	12.4	111	67	60	105	44	67	M10 Depth 10	1100	
1500SPF-300	300	15.7	149	80							
1500SPF-350	350	23.4	216	95							
1500SPF-400	400	27.8	255	105	75	105	51	75	M12 Depth 12	1700	
1500SPF-450	450	37.9	325	120							
1500SPF-500	500	49.5	396	140							
1500SPF-550	550	74.0	598	148	100	108	63	87		3000	
1500SPF-600	600	88.0	710	155							

- しゃ断容量AC1500V-100KA 最大アーク電圧3000V
- UL品発注の際には形名の末尾にULと記入して下さい。例、1500SPF-200UL
- マイクロスイッチはオプションです。(24P参照)

- Breaking Capacity:AC1500V-100KA ●Max.arc Voltage 3000V ●UL recognized
- When ordering a UL product, please put“ UL ”at the end of the ampere rating. For example:1500SPF-200UL
- Micro switch:Optional (Refer to page 24)

◆外形図 Outline Dimensions (m/m)

fig 1

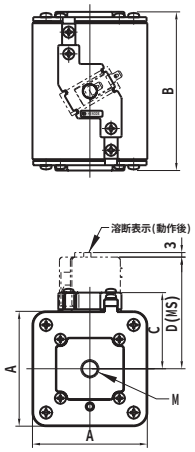
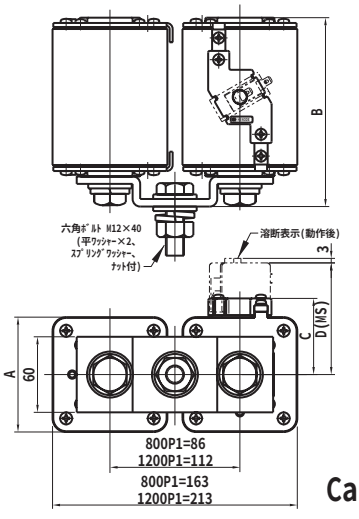
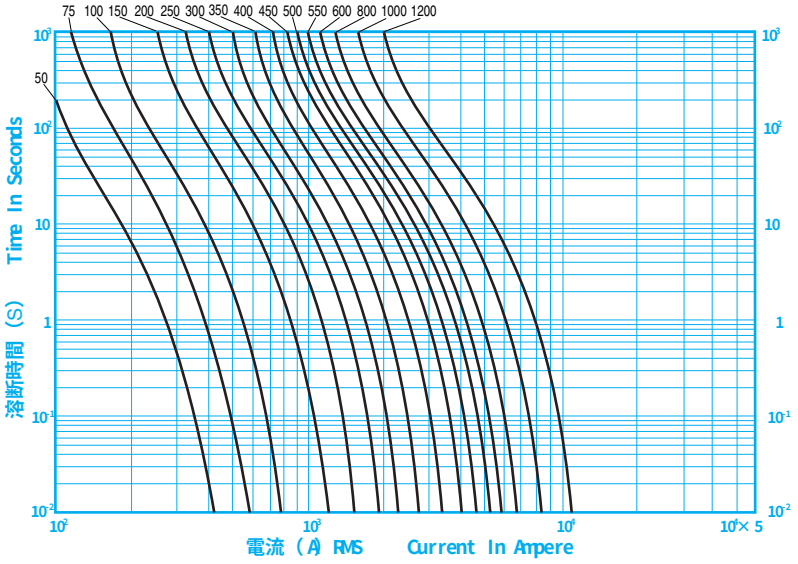


fig 2

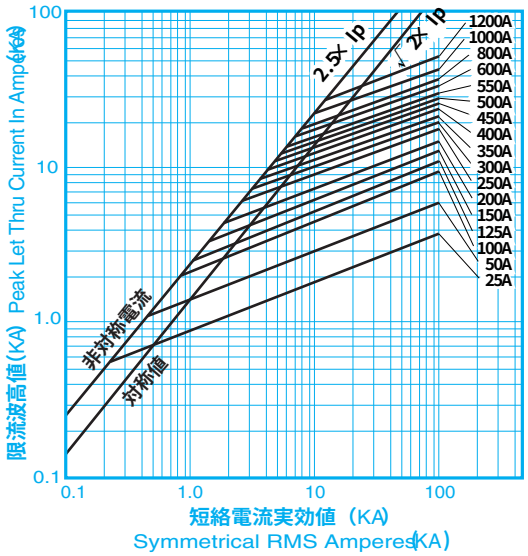


● 1500SP特性表 /Characteristics

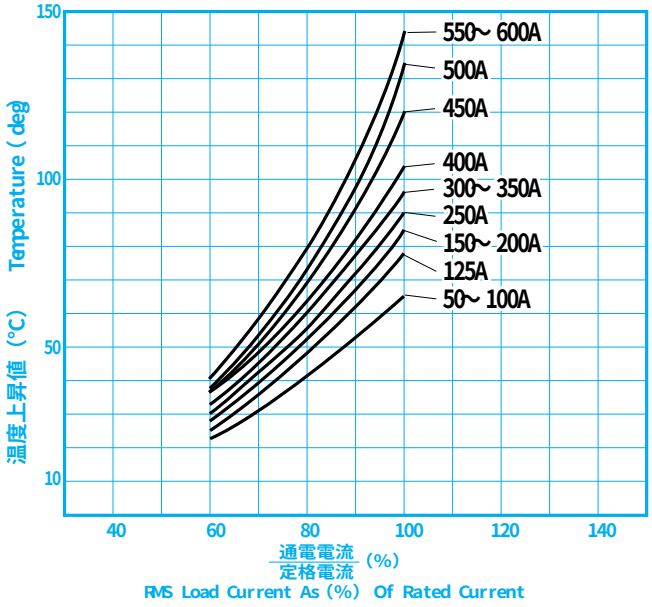
■溶断時間―電流特性曲線　Melting Time-Current Characteristics Curves



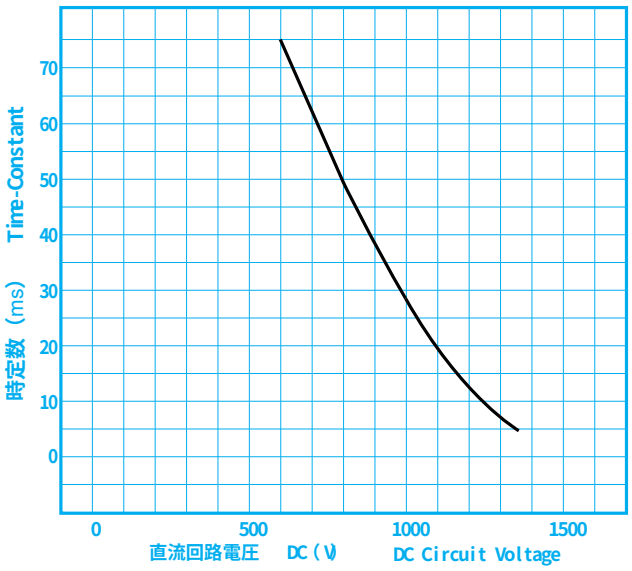
■限流特性　Current Limiting Effect Curves



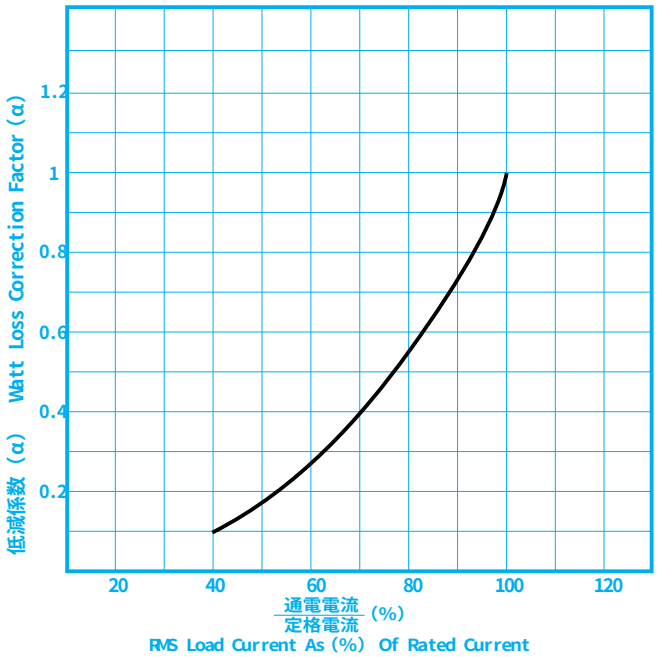
■ヒューズ温度上昇曲線　Temperture Characteristics



■直流回路への適用　DC-Operation



■電力損失　Power Loss



■全しゃ断 I² tに対する使用電圧

I²t Correction Factor Vs RMS Circuit Voltage (Total I²t × β)

例　使用電圧時の I²tを求めるには　全しゃ断 I²t(カタログ値) x係数(β)

When the applied voltage is lower than the rated voltage, the value of the operating I²t can be obtained as follows;

Operating I²t value (see catalogue) x Coefficient β (see graph) of the