

SERIES 1000SPF 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 60-70% 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.

Flgination of arc may occur if the interrupted current is less than 7 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60-70%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あります。注意して下さい。

直流回路に使用する場合はヒューズ定格電流に対して7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器と併用して下さい。

標準仕様 Standard Specifications

Type	Rated current	I ² t (× 10 ³ A ² S) AC1000V			Watts Loss (W)	Dimensions (mm)					Weight g	Fig
		Pre-arc	Total	I ² t 100KA		A	B	C	D	M		
1000SPF-80S	80	0.9	8.0		16	30 × 43	73	27	50	M8 Depth 8	260	1
1000SPF-100S	100	1.2	12.0		19							
1000SPF-125S	125	2.0	19.0		23							
1000SPF-160S	160	3.1	31.0		30	51	73	38	61	530		
1000SPF-200S	200	4.8	47.0		35							
1000SPF-250S	250	6.9	55.0		42	60	73	43	66	800		
1000SPF-315S	315	12.5	123.0		56							
1000SPF-350S	350	16.0	157.0		60	75	73	51	75	1290		
1000SPF-400S	400	23.0	210.0		66							
1000SPF-500S	500	33.0	325.0		95	100	79	63	87	2300		
1000SPF-630S	630	63.0	590.0		125							
1000SPF-700S	700	70.0	670.0		135	75	93	51	75	3200	2	
1000SPF-800S	800	94.0	900.0		160							
1000SPF-1000P1	1000	133.0	1330.0		185	100	99	63	87	6300	3	
1000SPF-1250P1	1250	250.0	2360.0		240							
1000SPF-1500PS	1500	380.0	3700.0		340							

UL仕様 UL Specifications

Type	Rated current	I ² t (× 10 ³ A ² S) AC1000V			Watts Loss (W)	Dimensions (mm)					Weight g	Fig
		Pre-arc	Total	I ² t 100KA		A	B	C	D	M		
1000SPF-100	100	1.2	12.0		19	51	73	38	61	M8 Depth 8	530	1
1000SPF-125	125	2.0	19.0		23							
1000SPF-160	160	3.1	31.0		30							
1000SPF-200	200	4.8	47.0		35	60	73	43	66	800		
1000SPF-250	250	6.9	55.0		42							
1000SPF-315	315	12.5	123.0		56	75	73	51	75	1290		
1000SPF-350	350	16.0	157.0		60							
1000SPF-400	400	23.0	210.0		66	100	79	63	87	2300		
1000SPF-500	500	33.0	325.0		95							
1000SPF-630	630	63.0	590.0		125	75	93	51	75	3200	2	
1000SPF-700	700	70.0	670.0		135							
1000SPF-800	800	94.0	900.0		160							

しゃ断容量AC1000V-100KA. DC800V-100KA L/R10ms. 最大アーク電圧2000V

UL品発注の際には形名の末尾にULと記入して下さい。例、1000SPF-100UL

マイクロスイッチはオプションです。(24P参照)

Breaking Capacity:AC1000V-100KA DC800V-100KA L/R10ms. Max.arc Voltage 2000V UL recognized

When ordering a UL product, please put "UL" at the end of the ampere rating. For example:1000SPF-100UL

Micro switch:Optional (Refer to page 24)

外形図 Outline Dimensions (m/m)

fig 1

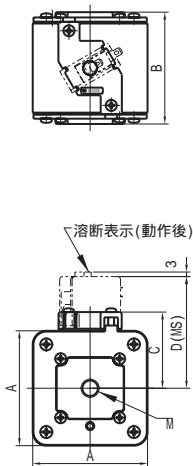


fig 2

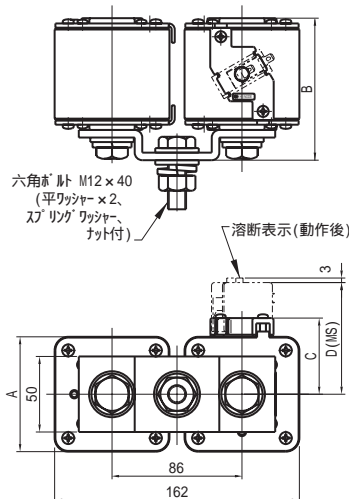
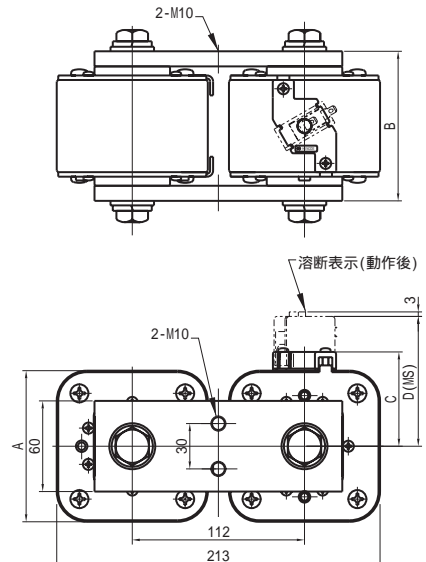
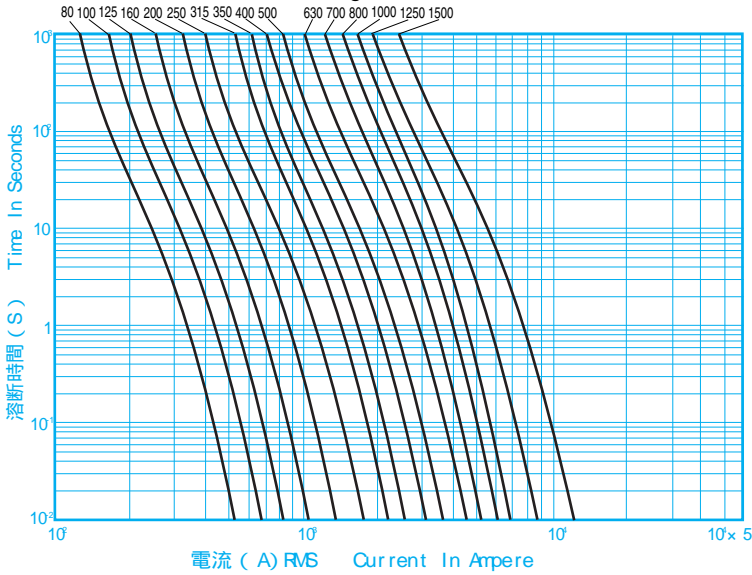


fig 3

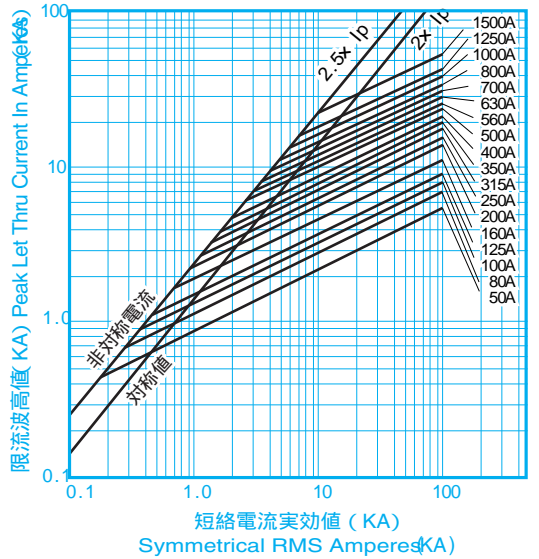


1000SP特性表 / Characteristics

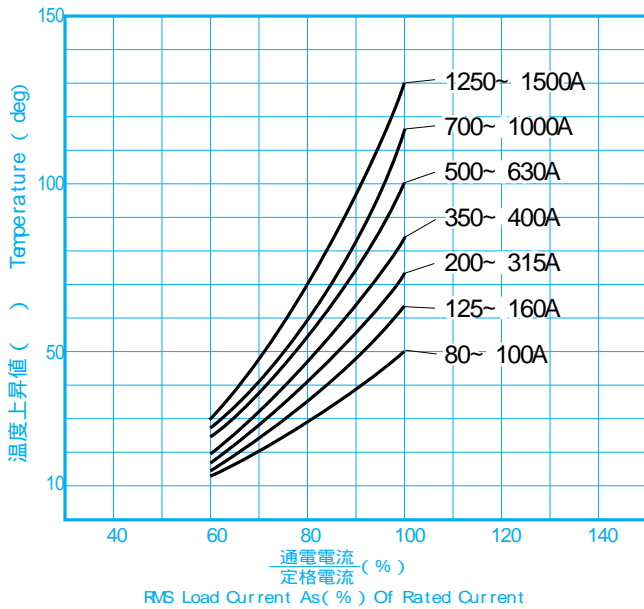
溶断時間—電流特性曲線 Melting Time-Current Characteristics Curves



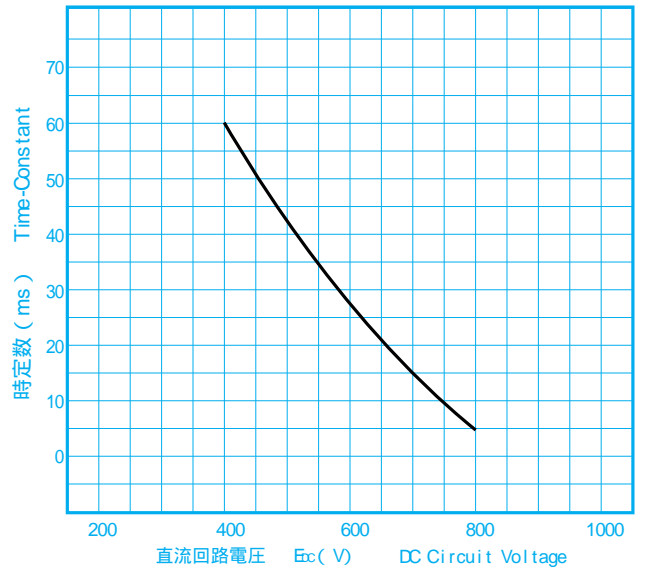
限流特性 Current Limiting Effect Curves



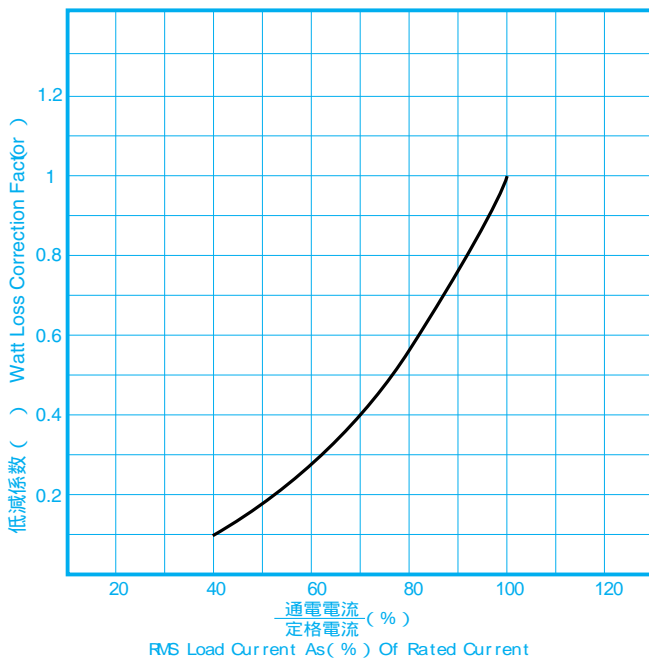
ヒューズ温度上昇曲線 Temperature Characteristics



直流回路への適用 DC-Operation



電力損失 Power Loss



使用電圧に対する全しゃ断 I² t

RMS Circuit Voltage Vs I²t Correction Factor (Total I²t x)

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 ()
 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 (see graph) of the

