

600SPF 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 70-80% 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 5 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70-80%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5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 ² t (× 10 ³ A ² S) AC600V | | Watts Loss (W) | Dimensions (mm) | | | | | Weight g | Fig |
|---------------|---------------|---|------------------------------|----------------|-----------------|----|----|----|--------------------|----------|------|
| | | Pre-arc | Total I ² t 100KA | | A | B | C | D | M | | |
| 600SPF-80S | 80 | 0.5 | 3.5 | 11 | 30 x 40 | 53 | 27 | 50 | M8 Depth 8 | 210 | 1 |
| 600SPF-100S | 100 | 0.8 | 6.5 | 13 | | | | | | | |
| 600SPF-125S | 125 | 1.2 | 9.5 | 17 | | | | | | | |
| 600SPF-160S | 160 | 1.8 | 14.5 | 21 | | | | | | | |
| 600SPF-200S | 200 | 3.1 | 25.0 | 30 | | | | | | | |
| 600SPF-250S | 250 | 4.8 | 38.0 | 35 | | | | | | | |
| 600SPF-315S | 315 | 7.0 | 56.0 | 40 | 51 | 53 | 38 | 61 | 420 | | |
| 600SPF-350S | 350 | 12.5 | 100.0 | 47 | | | | | | | |
| 600SPF-400S | 400 | 16.0 | 140.0 | 55 | | | | | | | |
| 600SPF-500S | 500 | 24.0 | 205.0 | 60 | 60 | 53 | 43 | 66 | M10 Depth 10 | 630 | |
| 600SPF-600S | 600 | 33.0 | 290.0 | 70 | | | | | | | |
| 600SPF-630S | 630 | 44.0 | 400.0 | 85 | | | | | | | |
| 600SPF-700S | 700 | 56.0 | 535.0 | 95 | 75 | 53 | 51 | 75 | M12 Depth 12 | 1010 | |
| 600SPF-800S | 800 | 70.0 | 670.0 | 110 | | | | | | | |
| 600SPF-900S | 900 | 94.0 | 900.0 | 115 | | | | | | | |
| 600SPF-1000S | 1000 | 111.0 | 1060.0 | 135 | 100 | 58 | 63 | 87 | 2430 | 2 | |
| 600SPF-1250P1 | 1250 | 174.0 | 1580.0 | 180 | 75 | 73 | 51 | 75 | | | |
| 600SPF-1500PS | 1500 | 280.0 | 2700.0 | 200 | 75 | 73 | 51 | 75 | | | 3700 |
| 600SPF-1750PS | 1750 | 450.0 | 4500.0 | 250 | 100 | 78 | 63 | 87 | 5200 | 3 | |

UL仕様 UL Specifications

| Type | Rated current | I ² t (× 10 ³ A ² S) AC600V | | Watts Loss (W) | Dimensions (mm) | | | | | Weight g | Fig |
|-------------|---------------|---|------------------------------|----------------|-----------------|----|----|----|--------------------|----------|-----|
| | | Pre-arc | Total I ² t 100KA | | A | B | C | D | M | | |
| 600SPF-80 | 80 | 0.5 | 3.5 | 11 | 51 | 53 | 38 | 61 | M8 Depth 8 | 420 | 1 |
| 600SPF-100 | 100 | 0.8 | 6.5 | 16 | | | | | | | |
| 600SPF-125 | 125 | 1.2 | 9.5 | 17 | | | | | | | |
| 600SPF-160 | 160 | 1.8 | 14.5 | 21 | | | | | | | |
| 600SPF-200 | 200 | 3.1 | 25.0 | 30 | | | | | | | |
| 600SPF-250 | 250 | 4.8 | 38.0 | 35 | | | | | | | |
| 600SPF-315 | 315 | 7.0 | 56.0 | 40 | | | | | | | |
| 600SPF-350 | 350 | 12.5 | 100.0 | 47 | | | | | | | |
| 600SPF-400 | 400 | 16.0 | 140.0 | 55 | | | | | | | |
| 600SPF-500 | 500 | 24.0 | 205.0 | 60 | 60 | 53 | 43 | 66 | M10 Depth 10 | 630 | |
| 600SPF-600 | 600 | 33.0 | 290.0 | 70 | | | | | | | |
| 600SPF-630 | 630 | 44.0 | 400.0 | 85 | | | | | | | |
| 600SPF-700 | 700 | 56.0 | 535.0 | 95 | 75 | 53 | 51 | 75 | M12 Depth 12 | 1010 | |
| 600SPF-800 | 800 | 70.0 | 670.0 | 110 | | | | | | | |
| 600SPF-900 | 900 | 94.0 | 900.0 | 115 | | | | | | | |
| 600SPF-1000 | 1000 | 111.0 | 1060.0 | 135 | 100 | 58 | 63 | 87 | 1830 | | |

しゃ断容量AC600V-100KA. DC450V-100KA L/R10ms. 最大アーク電圧1200V

UL品発注の際には形名の末尾にULと記入して下さい。例、600SPF-80UL

マイクロスイッチはオプションです。(24P参照)

Breaking Capacity:AC600V-100KA DC450V-100KA L/R10ms. Max.arc Voltage 1200V UL recognized

When ordering a UL product, please put "UL" at the end of the ampere rating. For example:600SPF-80UL

Micro switch:Optional (Refer to page 24)

外形図 Outline Dimensions (m/m)

fig 1

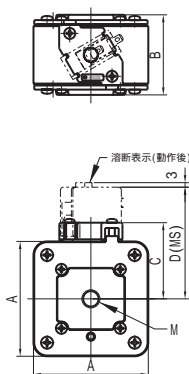


fig 2

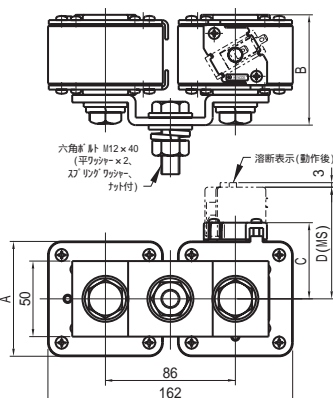
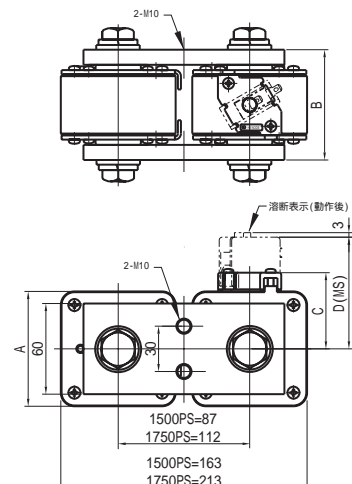
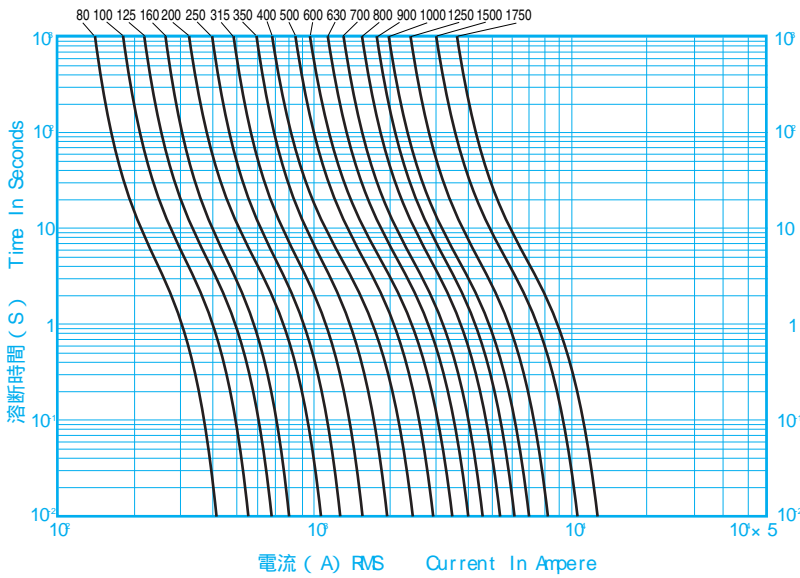


fig 3

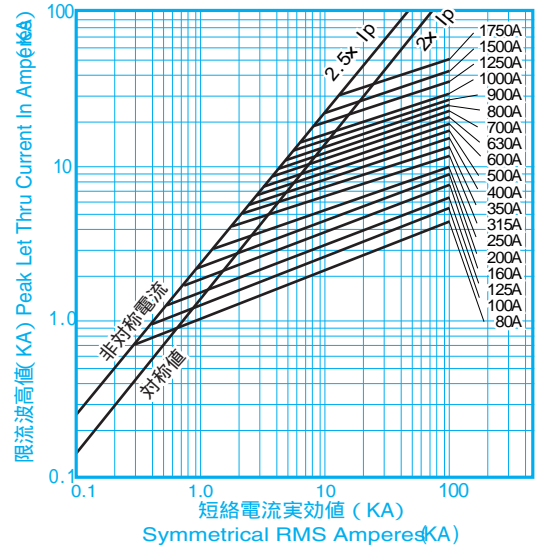


600SP特性表 / Characteristics

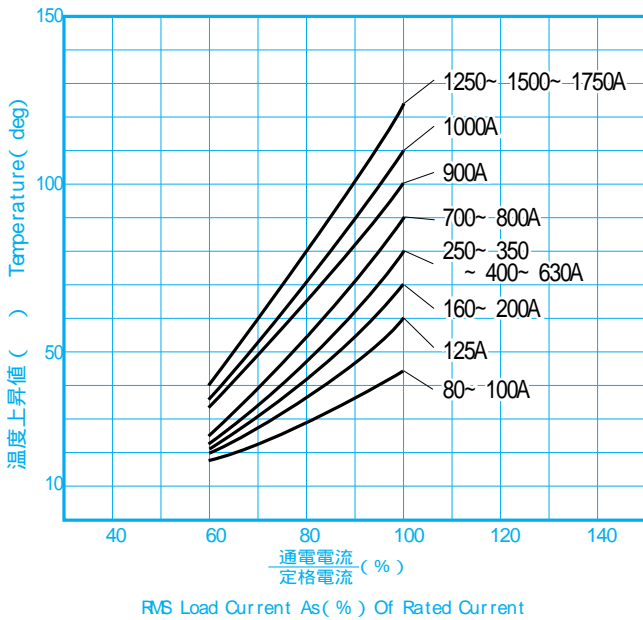
溶断時間—電流特性曲線 Melting Time-Current Characteristics Curves



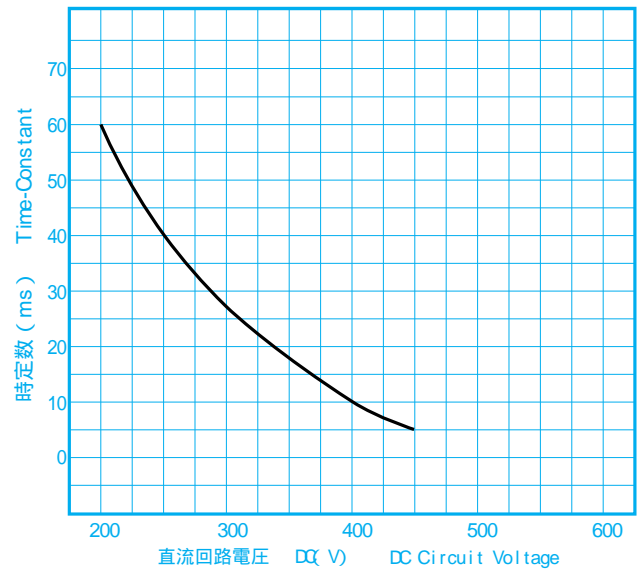
限流特性 Current Limiting Effect Curves



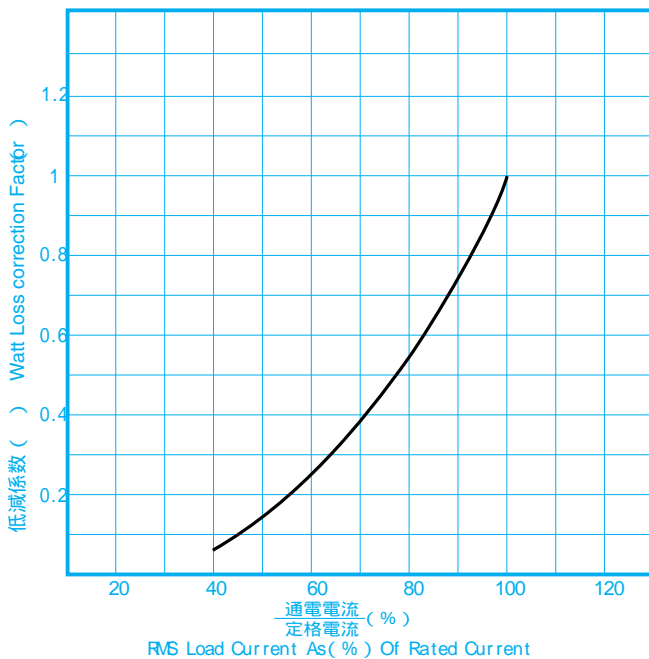
ヒューズ温度上昇曲線 Temperature Characteristics



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 I² t ×)
 例 使用電圧時の I²tを求めるには 全しゃ断 I²t (カタログ値) × 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) × Coefficient (see graph) of the

