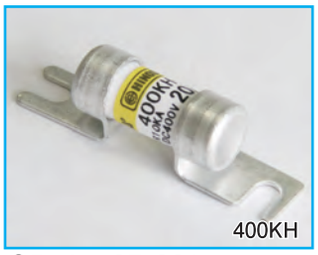
400KH/400KHK

IF YOU NEED ANY HELP IN DETERMINING WHAT FUSE YOU NEED CONTACT NATIONAL FUSE PRODUCTS AT 1-800-328-0496 OR EMAIL SALES@NATIONALFUSE.COM

FEATURES

- The full length is 26 mm (KHK), which is convenient to arrange on the board.
- Being extremely compact, it is compliant to 400V-50A class.
- Contribute to miniaturizing the equipment.
- Most suitable for small inverters, servos, UPSs, power supplies, etc.
- Two types are available for choice according to the installation method.



RATING

●Rating 5-30A

Rated voltage and blocking capacity : 400V AC - 10kA, 400V DC (L/R = 5ms)-10kA
Minimum block-off current : 400V AC/DC - 4 times the rated amperage
Maximum arc voltage : 800V

●Rating 35-60A

Rated voltage and blocking capacity : 400V AC-10kA, 400V DC (L/R = 2ms)-10kA
Minimum block-off current : 400V AC - 5.3 times the rated amperage
400V DC - 20 times the rated amperage
360V DC - 8 times the rated amperage
Maximum arc voltage : 800V

UL standard approved rating

When applying the standard to UL standard approved items, use the fuse in the following rating.

●Rating 5-30A

Rated voltage and blocking capacity : Same as the standard rating

●Rating 35-60A

Rated voltage and blocking capacity : 400V AC-10kA
360V DC (L/R = 2ms)-10kA

CCC standard approved rating

When applying the standard to UL standard approved items, use the fuse in the following rating.

*The CCC standard is an option. Enter "TC" at the end of product name when ordering (e.g. 400KH-10ULTC).

Rated voltage and breaking capacity : 400V AC-50kA, 260V DC (L/R = 10ms)-50kA

CAUTION!

- Read "FOR SAFE USE" and "PROTECT FUSE USER' S GUIDE" at the back of this catalog before use.
- A small fuse may generate a relatively large amount of heat, so a fuse with sufficient capacity is recommended for long, continuous use.
- Fusing indication function is not provided.

Specifications

Ta=25℃

Type	Rated Amperage (A)	Fusing I²t (A²S)	Shutdown I2t (A2S) at AC400V 10KA	Power Loss (W)	Weight (g)	Fig	Standard Approved
400KH-5UL	5	2	30	0.5	KH= 10.5 KHK= 8.5	KH= Fig 1 KHK= Fig 2	
400KHK05UL				0.5			
400KH-10UL	10	6	70	1.0			
400KHK10UL				1.1			
400KH-15UL	15	12	130	1.6			
400KHK15UL				1.7			
400KH-20UL	20	25	280	2.3			
400KHK20UL				2.9			
400KH-25UL	25	43	420	2.8			
400KHK25UL				2.9			
400KH-30UL	30	67	700	2.8			
400KHK30UL				3.9			
400KH-35UL	35	99	1000	2.8			
400KHK35UL				5.2			
400KH-40UL	40	177	1600	3.3			
400KHK40UL				5.2			
400KH-50UL	50	264	2100	4.5			
400KHK50UL				6.9			
400KH-60UL	60	314	2300	5.4			
400KHK60UL				7.1			

Dimensions

Fig 1
400KH

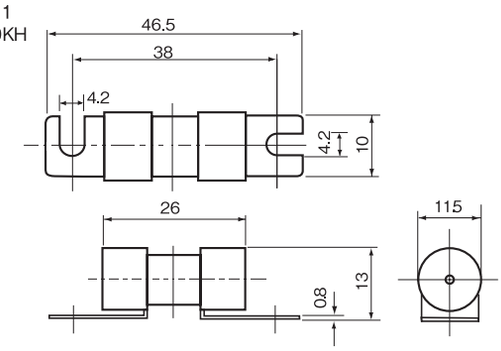
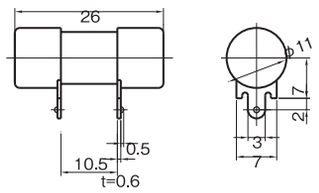
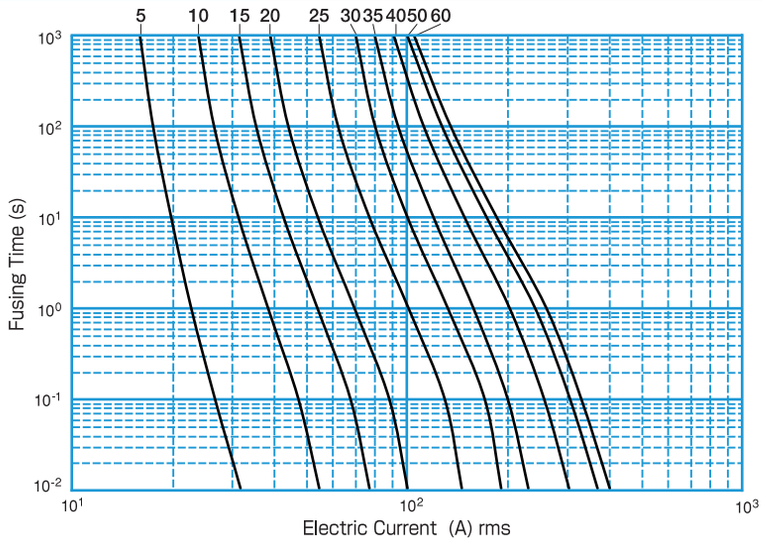


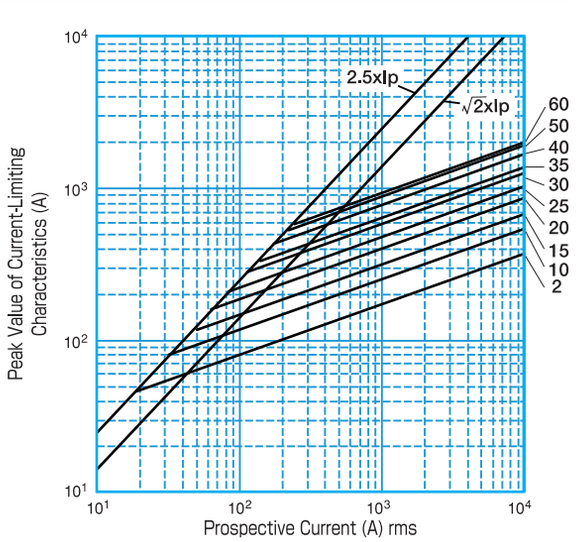
Fig 2
400KHK



Fusing Characteristics

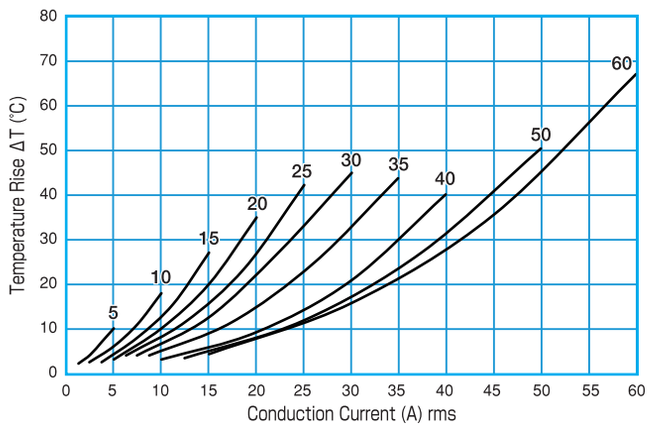


Current-Limiting Characteristics

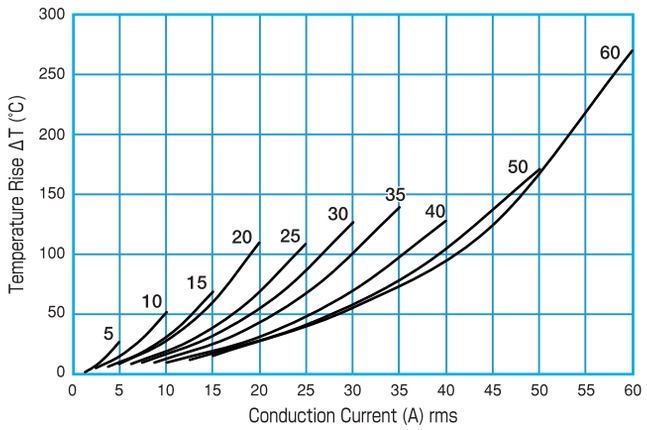


Temperature Rise

400KH

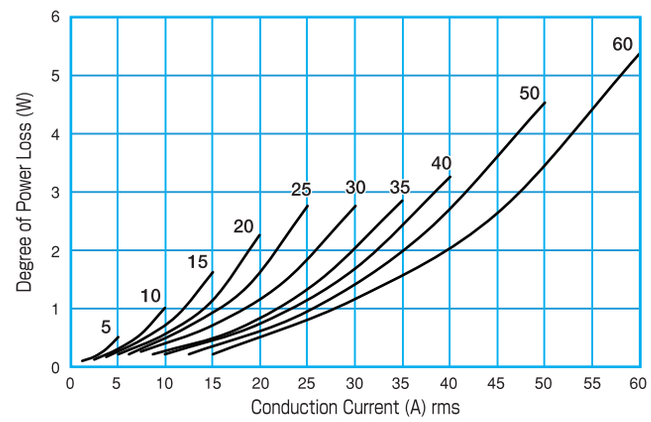


400KHK

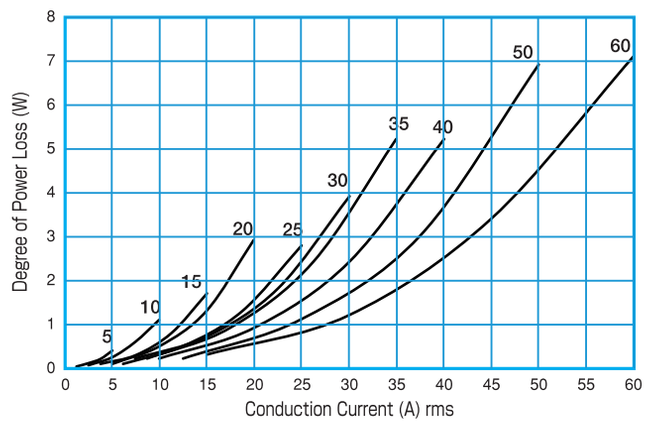


Power Loss

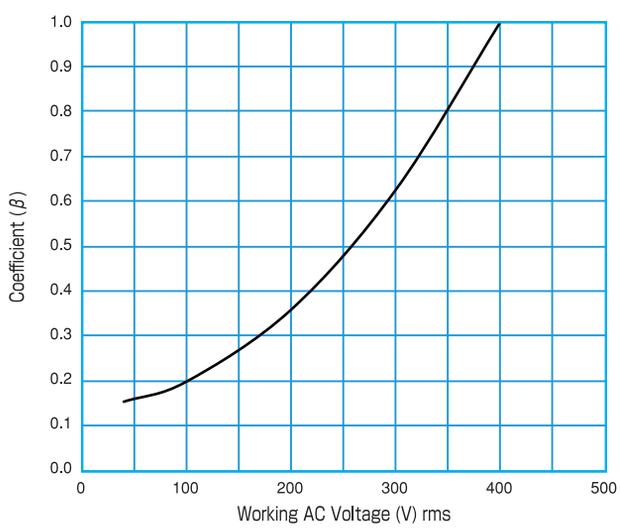
400KH



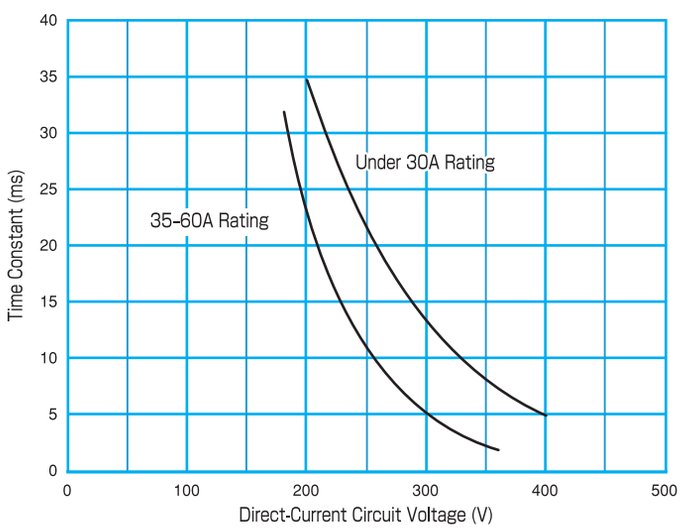
400KHK



Shutdown I²t Against Working AC Voltage



Application to Direct-Current Circuit



Power Loss and Temperature Characteristics

●Testing Conditions for Board-Soldered-Type Fuses

The power loss and the temperature characteristics are studied using an FR-4 board (one-side board) and a 35-μm-thick copper foil with a copper foil width of 0.5 mm/A depending on the rated amperage (e.g., 5 mm width for a product rated at 10A).