

400KH/400KHK

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

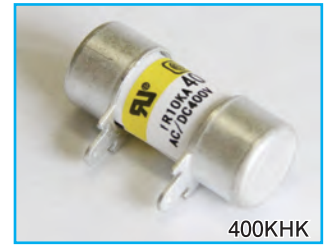
Rated voltage and blocking capacity : Same as the standard rating

Specifications

Type	Rated Amperage (A)	Fusing I ² t (A ² S)	Shutdown I ² t (A ² S) at AC400V 10kA	Power Loss (W)	Weight (g)	Fig	Standard Approved						
400KH-5UL	5	2	30	0.5	KH=10.5	KH=Fig 1							
400KHK05UL				0.5									
400KH-10UL	10	6	70	1.0				KHK=8.5					
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									



400KH



400KHK

● 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.

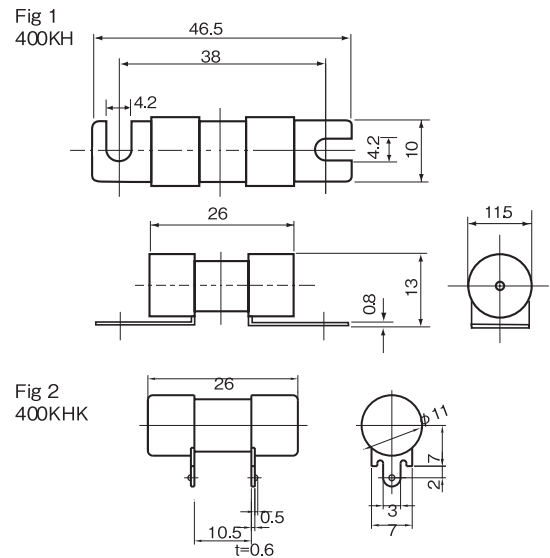
*The CCC standard is an option. Enter "TC" at the end of product name when ordering (e.g. 400KH-10ULTC).

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

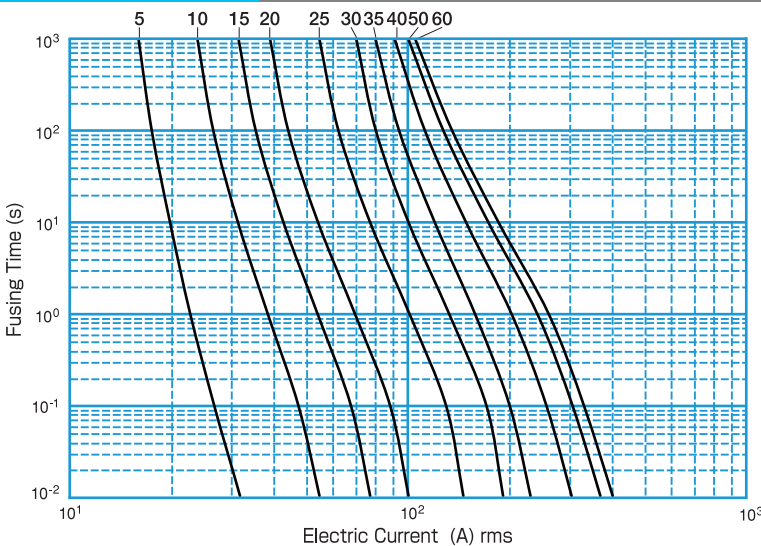
CAUTION!

- 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.

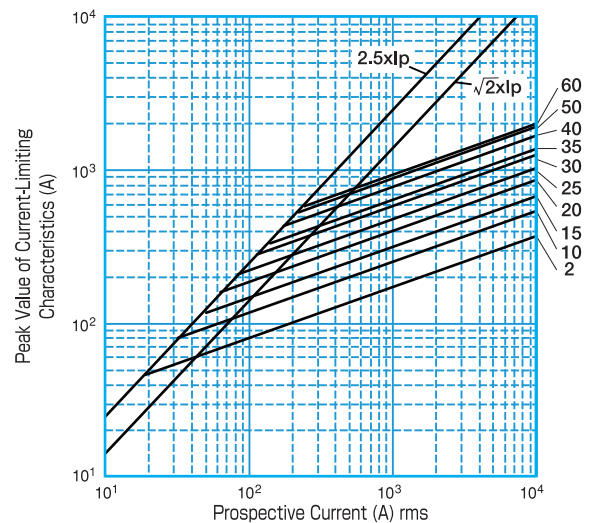
Dimensions



Fusing Characteristics

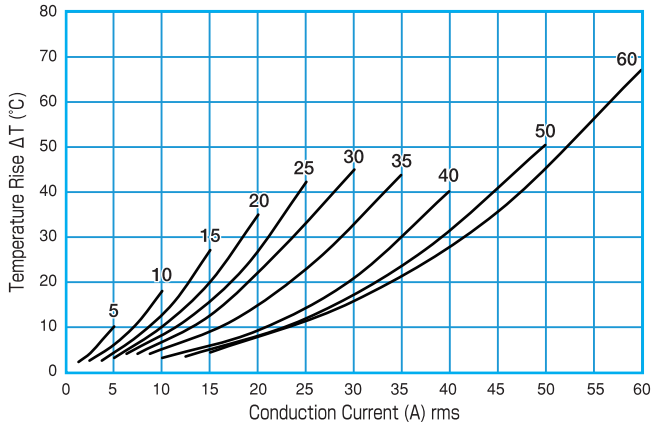


Current-Limiting Characteristics

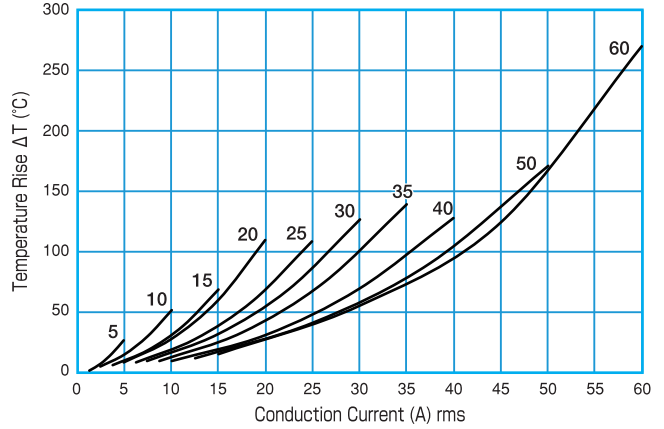


FAST ACTING FUSES - COMPACT TYPES

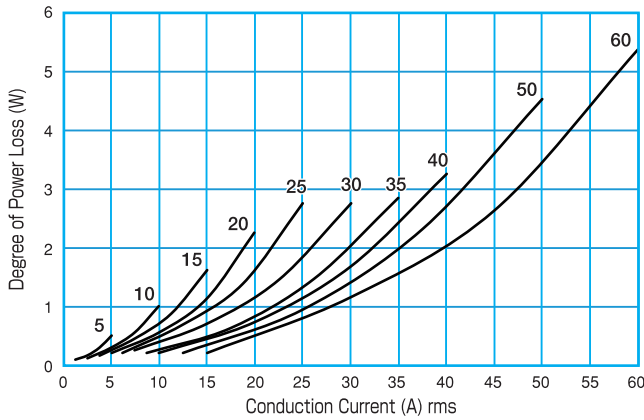
Temperature Rise 400KH



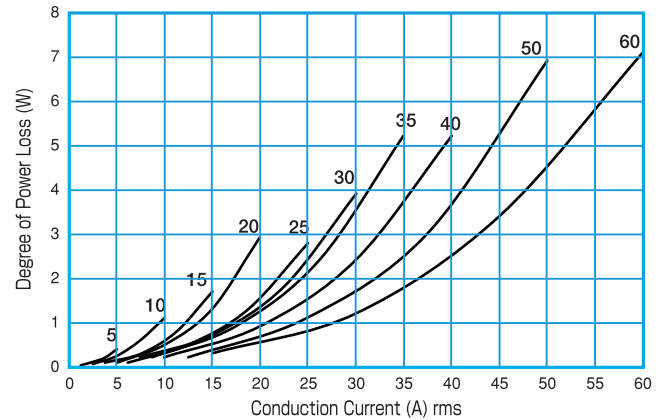
400KHK



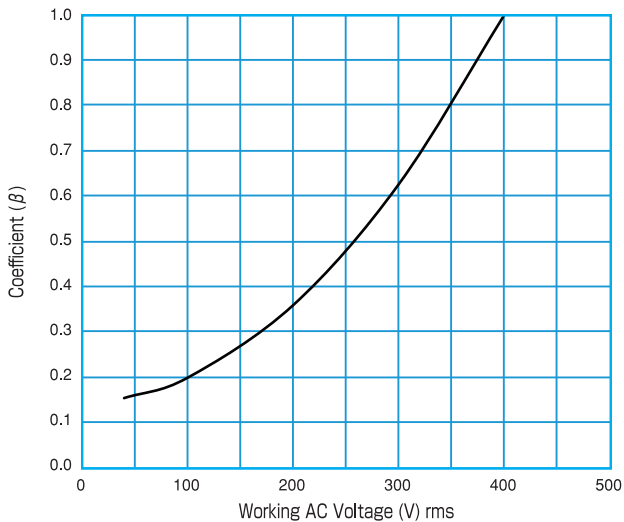
Power Loss 400KH



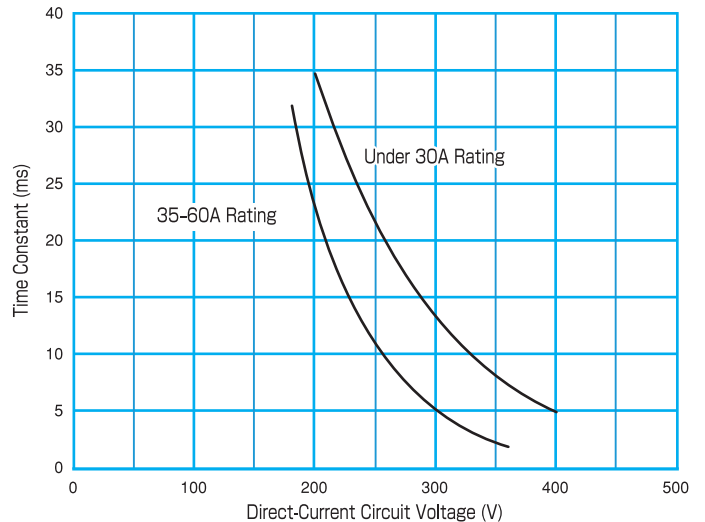
400KHK



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- μ m-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).