

**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**

## Low Voltage Fuses FCF and FCK types

### FCF, FCK type current-limiting fuses

500V AC

FCF Up to 60 Amps

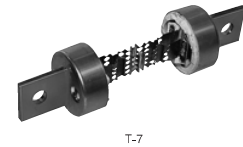
FCK Up to 600 Amps

#### ■ Description

FCF and FCK HRC fuses use a specially designed low-temperature melting element, a feature of 'dual element' fuses. There is no fuse deterioration due to overcurrent phenomena such as rush current at the time of motor starting and they also feature time-lag operation characteristics. They operate rapidly and positively in the face of destructive short circuit currents. Since they are current-limiting fuses with a high capacity of 50kA (FCF types: 1 – 60 Amps) they are suitable for many types of power and control circuits. The fuse link is housed in a ceramic barrel with



excellent thermal and mechanical characteristics and is packed in silica sand which prevents arcing. Thus there are no fears of explosion or production of noxious gases. The FCF's link end is a solid ferrule-type and available in 1 – 60 Amps ratings. The FCK is a center blade-type and available in 3 – 600 Amps ratings. The fuse links for the 75 Amps FCK and larger sizes are provided with a blown fuse indicator.



#### ■ Ordering information

Specify the following:

1. Type number

### FCF series

Rated current (A)	Interrupting capacity (kA)	Fuse-link Type
1	50	FCF2-1
3		FCF2-3
5		FCF2-5
10		FCF2-10
15		FCF2-15
20		FCF2-20
30		FCF2-30
40		FCF2-40
50		FCF2-50
60		FCF2-60

Note: Minimum ordering quantity  
Fuse-link: 100 pcs.

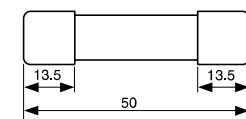
### FCK series

Rated current (A)	Interrupting capacity (kA)	Fuse-link Type
3	35	FCK2-3
5		FCK2-5
10		FCK2-10
15		FCK2-15
20		FCK2-20
30		FCK2-30
40		FCK2-40
50		FCK2-50
60		FCK2-60
75		FCK2-75
100		FCK2-100
125		FCK2-125
150		FCK2-150
200		FCK2-200
250		FCK2-250
300		FCK2-300
400		FCK2-400
500		FCK2-500
600		FCK2-600

Note: Minimum ordering quantity  
Fuse-link: 100 pcs.

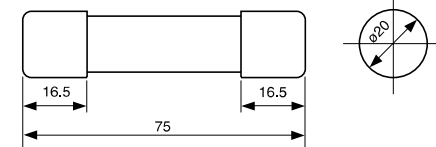
#### ■ Dimensions, mm

##### ● Fuse-link FCF2-1 to 30



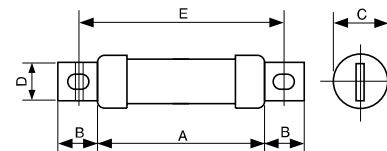
Mass: 20g

##### FCF2-40 to 60



Mass: 80g

##### ● Fuse-link FCK2-3 to 600

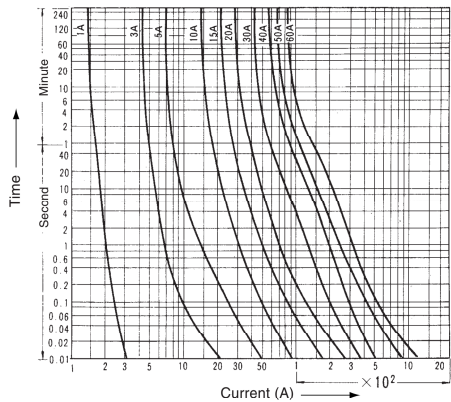


Type	A	B	C	D	E	Mass (g)
FCK2-3 to 30	50	15	ø19.8	13	66.5	35
FCK2-40 to 60	75	19	ø24.9	16	96	95
FCK2-75, 100	95	25	ø31	20	122.5	180
FCK2-125 to 200	110	35	ø45	30	148.5	470
FCK2-250 to 400	120	50	ø63	40	170	1100
FCK2-500, 600	145	60	ø75	50	205	2000

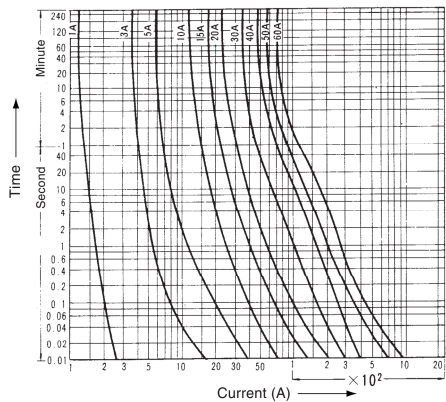
# Low Voltage Fuses

## FCF and FCK types

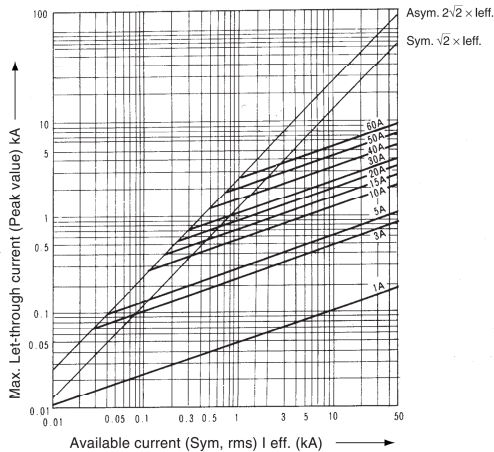
- Characteristic curves
  - FCF type
- Melting time-current characteristic



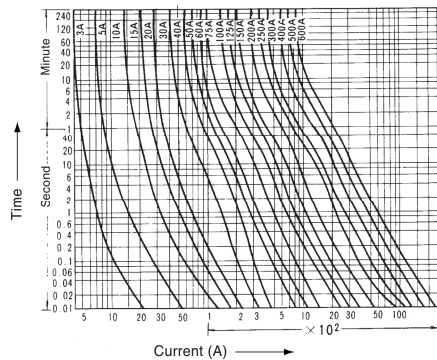
Permissible time-current characteristic



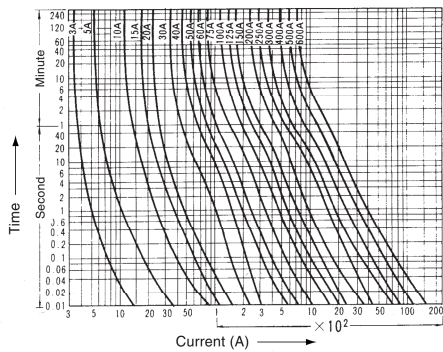
Current limiting characterisitc



- FCK type
- Melting time-current characteristic



Permissible time-current characteristic



Current limiting characterisitc

