

## Square Body - US-Style

**1000V (IEC) 50-400A**

Electrical Characteristics						Ordering Information		
Size	Rated Voltage	Rated Current RMS-Amps	I <sup>2</sup> t (A²s)		Watts Loss	-FKE/115 Type K Indicator for Micro	Carton Qty.	Carton Weight (kg)
			Pre-arc	Clearing at Rated Voltage				
1*	1000	50	135	815	20	170M3531	2	0.85
	1000	63	215	1300	25	170M3532		
	1000	80	460	2750	30	170M3533		
	1000	100	860	5100	35	170M3534		
	1000	125	1450	8600	40	170M3535		
	1000	160	2850	17500	45	170M3536		
	1000	200	4950	29500	48	170M3537		
	1000	250	9550	57000	50	170M3538		
	1000	315	21500	130000	60	170M3539		
	1000	350	29000	175000	65	170M3540		
	1000	400	42000	250000	70	170M3541		

1 kg = 2.2 lbs. 1 lb = 0.45 kg

- Interrupting rating 150kA (Estimated 300kA) RMS Symmetrical.
- Watts loss provided at rated current.
- Microswitch ordered separately.

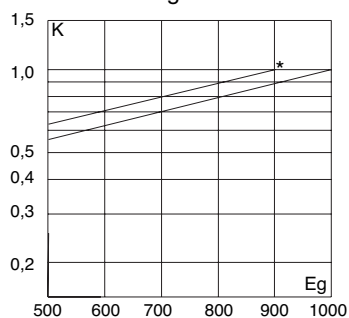
The only controlled copy of this BIF document is the electronic read-only version located on the Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

## Square Body - US-Style

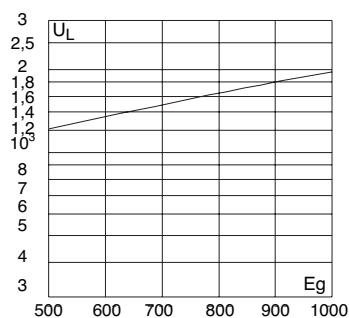
**1000V (IEC) 50-400A****Electrical Characteristics****Total clearing  $I^2t$** 

The total clearing  $I^2t$  at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing  $I^2t$  is found by multiplying by correction factor, K, given as a function of applied working voltage,  $E_g$ , (RMS).

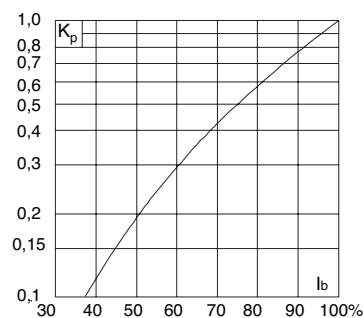
\*Rated voltage 900V

**Arc Voltage**

This curve gives the peak arc voltage,  $U_L$ , which may appear across the fuse during its operation as a function of the applied working voltage  $E_g$ , (RMS) at a power factor of 15%.

**Power Losses**

Watts loss at rated current is given in the electrical characteristics. The curve allows the calculation of the power losses at load currents lower than the rated current. The correction factor,  $K_p$ , is given as a function of the RMS load current,  $I_b$ , in % of the rated current.

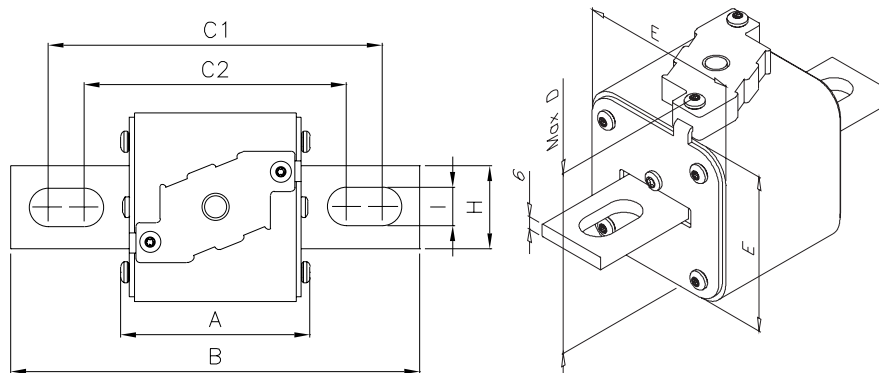
**Dimensions**

DIN 43 653: Type -FKE/115

Size	B	C1	C2	D	E	H	I
1*FKE/115	156	130	101	59	45	20	10
1FKE/115	160	127	102	69	53	25	14
2FKE/115	160	127	102	77	61	25	14
3FKE/115	159	128	101	92	76	36	16

Dimensions in mm

1 mm = 0.0394" 1" = 25.4 mm





Bussmann®

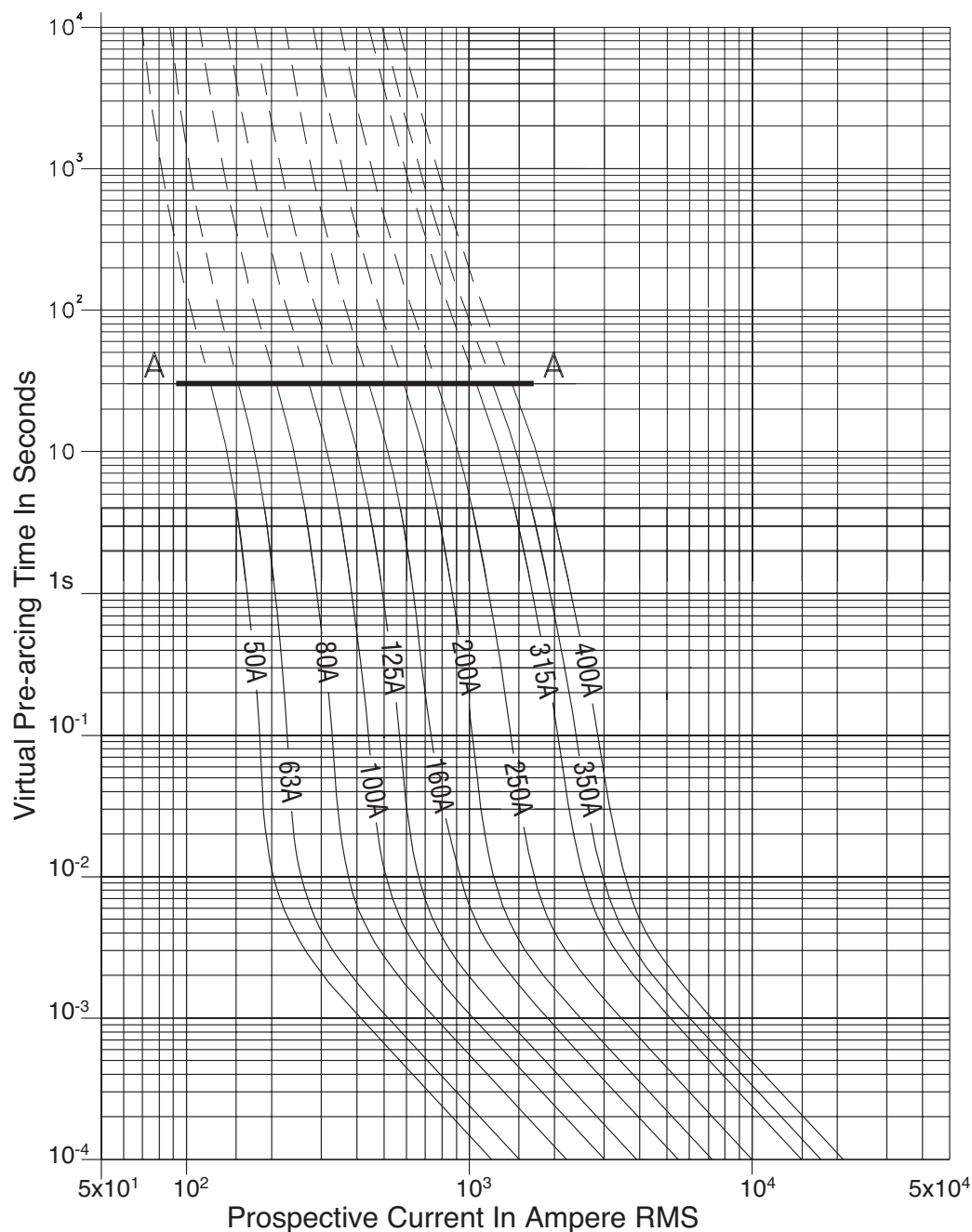
# Semiconductor Fuse

## 50-400A, 1000 Volts

BIF Document

**720093**

Size

**1\***

The partial dotted curves are for fuses designed to give part range protection (aR protection). Loading or operation above the curve indicated at A on the curves must in general be avoided. Please see technical guidance 170K...

for further information. Curves that are not dotted are for fuses designed to give full range protection.

**Pre-Arcing** Time-Current Characteristic Curves

**TYPOWER ZILOX**

Approved: **PK**

Page **3 of 4**

Rev. Date: **FEB-99**

Pub. Date: **NOV-94**



Bussmann

# Semiconductor Fuse

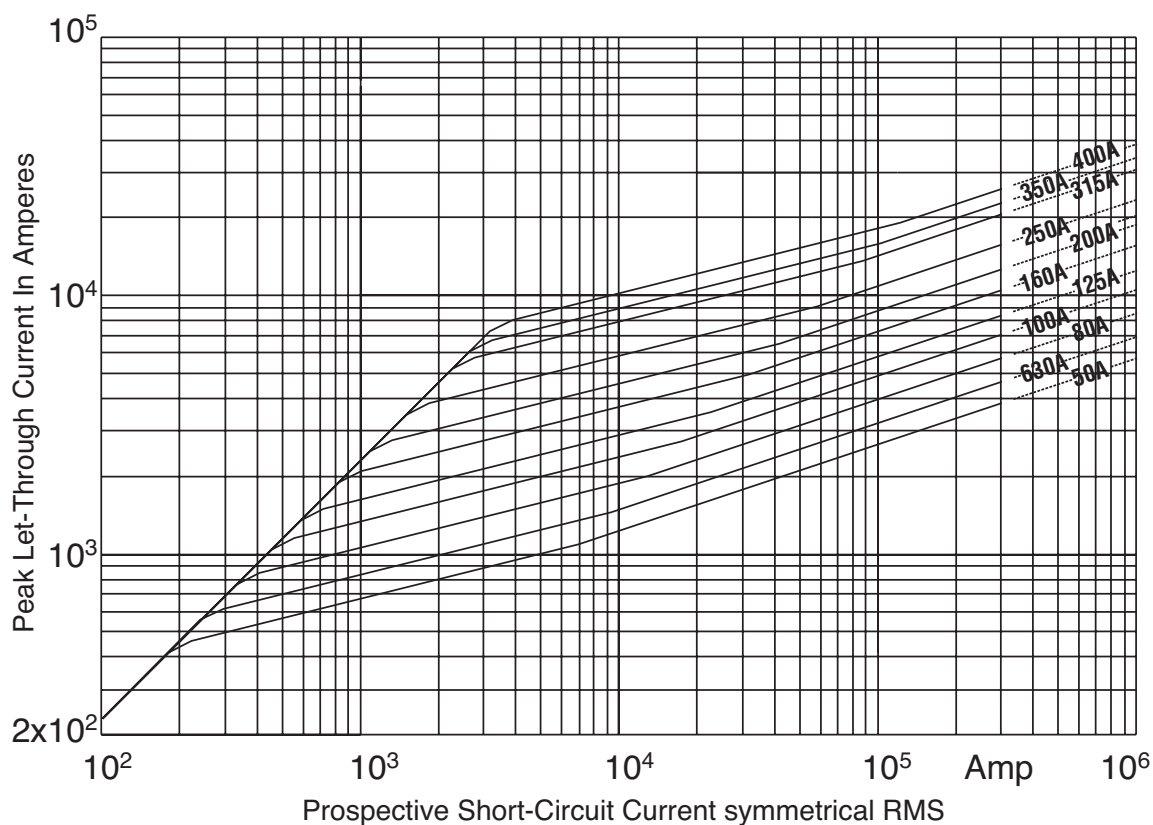
## 50-400A, 1000 Volts

BIF Document

**720093**

Size

**1\***



### Peak Let-Through

Cut-Off Current Characteristic Curves

**TYPOWER ZILOX**

Approved: **PK**

Page **4 of 4**

Rev. Date: **OCT-94**

Pub. Date: **NOV-94**