

INDUSTRIAL POWER FUSES

50K One Time Fuses

- **UL Class K-5**
- **250 and 600 Volts AC and DC**
- **1-600 Amperes**
- **Interrupting Rating —
50,000 amps. rms. AC
20,000 amps. DC**
- **Catalog Numbers: 50K OTN,
50K OTS**



General Features

First AC/DC One Time fuse available on the market today listed by Underwriters Laboratories • Non Time Delay • Maintenance free operation • Low cost protection • Cool Operation • Designed for easy insertion into fuse clips • Meets all NEC, N.E.M.A., and A.N.S.I. standards for class K-5 fuses • Underwriters Laboratories listed in accordance with Standards 198D and 198L • Tested by independent, highly qualified test laboratory.

Benefits

- Provides maximum protection of electric heating circuits.
- Provides fail safe short circuit protection.
- Provides positive overload protection.
- Provides protection of personnel and equipment.
- Low watt loss.
- Provides economical overcurrent protection.
- Maximum protection for DC circuits.

Applications

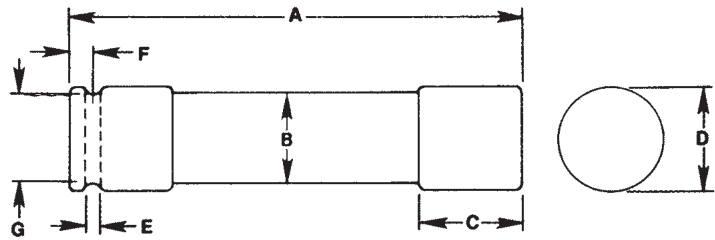
- Applicable on both AC and DC circuits, on DC circuits up to 20,000 amps, and on AC circuits up to 50,000 amps rms.
- Protection of resistive heating loads.
- Protection of feeder circuits and lighting loads.
- Protection of cycling resistive loads.
- Protection of DC transportation systems & equipment.

Catalog Numbers	Ampere Ratings
50K OTN (250V)	1, 2, 3, 4, 5, 6, 7, 8, 10, 12
	15, 20, 25, 30
50K OTS (600V)	35, 40, 45, 50, 60
	70, 80, 90, 100
	110, 125, 150, 175, 200
	225, 250, 300, 350, 400
	450, 500, 600

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Dimensional Data for UL Class H, K & R Fuses

Ferrule Type Fuses 0-60 Amps



The dimensions on this page apply to:

- CRN-R CRS-R
- LON-R LOS-R
- LON-RK LOS-RK
- CSN-R CSS-R
- CTN-R CTS-R
- 50K OTN 50K OTS
- 10K OTN 10K OTS
- REN RES

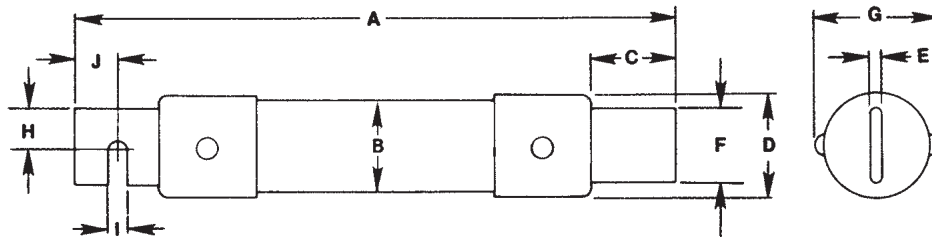
1/10-60 AMPS — 250 VOLTS

AMPERES	DIMENSIONS IN INCHES (mm in parentheses)						
	A	B	C	D	E *	F *	G *
1/10-30	2 (50.8)	1/2 (12.7)	1/2 (12.7)	9/16 (14.3)	1/8 (3.2)	5/32 (4.0)	3/8 (9.5)
35-60	3 (76.2)	3/4 (19.1)	5/8 (15.9)	13/16 (20.6)	1/8 (3.2)	3/16 (4.8)	21/32 (16.7)

1/10-60 AMPS — 600 VOLTS

1/10-30	5 (12.7)	3/4 (19.1)	5/8 (15.9)	13/16 (20.6)	1/8 (3.2)	3/16 (4.8)	21/32 (16.7)
35-60	5-1/2 (139.7)	1 (25.4)	5/8 (15.9)	1-1/16 (27)	1/8 (3.2)	1/4 (6.4)	7/8 (22.2)

Knife Blade Type Fuses 70-600 Amps



70-600 AMPS — 250 VOLTS

AMPERES	DIMENSION IN INCHES (mm in parentheses)									
	A	B	C	D *	E	F	G *†	H *	I *	J *
70-100	5-7/8 (149.2)	1 (25.4)	1 (25.4)	1-1/16 (27)	1/8 (3.2)	3/4 (19.1)	1-1/8 (28.6)	1/4 (6.4)	1/4 (6.4)	1/2 (12.7)
110-200	7-1/8 (181)	1-1/2 (38.1)	1-3/8 (35)	1-9/16 (39.7)	3/16 (4.8)	1-1/8 (28.6)	1-21/32 (42.1)	7/16 (11.1)	1/4 (6.4)	11/16 (17.5)
225-400	8-5/8 (219)	2 (50.8)	1-7/8 (47.6)	2-1/16 (52.4)	1/4 (6.4)	1-5/8 (41.3)	2-3/16 (55.6)	5/8 (15.9)	13/32 (10.3)	15/16 (23.8)
450-600	10-3/8 (263.5)	2-1/2 (63.5)	2-1/4 (57.1)	2-9/16 (65.1)	1/4 (6.4)	2 (50.8)	2-21/32 (67.5)	3/4 (19.1)	17/32 (13.5)	1-1/8 (28.6)

70-600 AMPS — 600 VOLTS

70-100	7-7/8 (200)	1-1/4 (31.8)	1 (25.4)	1-5/16 (33.3)	1/8 (3.2)	3/4 (19.1)	1-13/32 (35.7)	1/4 (6.4)	1/4 (6.4)	1/2 (12.7)
110-200	9-5/8 (244.5)	1-3/4 (44.5)	1-3/8 (35)	1-27/32 (46.8)	3/16 (4.8)	1-1/8 (28.6)	1-15/16 (49.2)	7/16 (11.1)	1/4 (6.4)	11/16 (17.5)
225-400	11-5/8 (295.3)	2-1/2 (63.5)	1-7/8 (47.6)	2-9/16 (65.1)	1/4 (6.4)	1-5/8 (41.3)	2-11/16 (68.3)	5/8 (15.9)	13/32 (10.3)	15/16 (23.8)
450-600	13-3/8 (339.7)	3 (76.2)	2-1/4 (57.1)	3-3/32 (78.6)	1/4 (6.4)	2 (50.8)	3-3/16 (78.4)	3/4 (19.1)	17/32 (13.5)	1-1/8 (28.6)

* Not applicable on 50K OTN/OTS, 10K OTN/OTS, REN/RES Fuses † Not applicable on REN/RES Fuses • Not applicable on CTN-R/CTS-R Fuses