

gF, gl-gG, aM

CYLINDRICAL FUSE-LINKS



DOMESTIC AND INDUSTRIAL CYLINDRICAL FUSE-LINKS

Ferraz Shawmut gF, gl-gG and aM fuse-links cover a wide range of physical sizes and ampere ratings for 250, 400, 500, and 690 volts AC. gF fuse-links are for domestic use. gl-gG and aM fuse-links are for industrial applications. Most ratings are available with an optional indicator. All industrial fuse-links have the option of a built-in striker. All cylindrical fuse-links have ceramic bodies and silver-plated ferrules.

gF

FULL RANGE PROTECTION

- 7 physical sizes from 6.3 x 23mm to 10.3 x 38 mm
- 250 and 400 Volt ratings - 0.5A through 32A
- Most ratings available with indicator
- Meet IEC, NFC, UNE and British standards

gl-gG

FULL RANGE PROTECTION

- 4 physical sizes from 8 x 31mm to 22 x 58 mm
- 400, 500 and 690 Volt ratings - 0.5A through 125A
- Most ratings available with indicator
- Meet IEC, NFC and UNE standards
- Approved by Lloyds Register of Shipping and Bureau Veritas

gl-gG

FULL RANGE PROTECTION

- Fuse-links with Striker**
- 2 sizes - 14 x 51mm and 22 x 58mm
 - 400, 500 and 690 Volt ratings - 4A through 125A
 - All ratings include striker
 - Meet IEC, NFC and UNE standards
 - Approved by Lloyds Register of Shipping and Bureau Veritas

aM

SHORT CIRCUIT PROTECTION

- 4 physical sizes from 8 x 31mm to 22 x 58mm
- 400, 500 and 690 Volt ratings - 16A through 125A
- Most ratings available with indicator
- Meet IEC, NFC and UNE standards
- Approved by Lloyds Register of Shipping and Bureau Veritas

aM

SHORT CIRCUIT PROTECTION

- Fuse-links with Striker**
- 2 sizes - 14 x 51mm and 22 x 58mm
 - 400, 500 and 690 Volt ratings - 2A through 125A
 - All ratings include striker
 - Meet IEC, NFC and UNE standards
 - Approved by Lloyds Register of Shipping and Bureau Veritas

aM

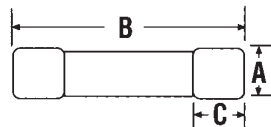
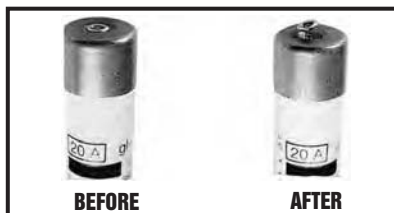
CYLINDRICAL FUSE-LINKS

Catalog Numbers, Ratings – aM (Optional Blown-Fuse Indicator)



SIZE (mm x mm)	RATED In CURRENT (A)	RATED VOLTAGE	CATALOG NUMBER		INTERRUPTING RATING (A)	STANDARD PACK/CTN.		
			w/o Indicator	w/Indicator				
8 x 31	1	400V	15511-G	-	20,000	10/100		
	2		15513-G	-				
	4		15519-G	-				
	6		15523-G	-				
	8		15527-G	-				
	10		15531-G	-				
10 X 38	0.16	500V	16503-G	-	120,000	10/100		
	0.25		16507-G	-				
	0.5		16509-G	-				
	1		16511-G	16711-G				
	2		16513-G	16713-G				
	4		16519-G	16719-G				
	6	16523-G	16723-G					
	8	16527-G	16727-G					
	10	16531-G	16731-G					
	12	16533-G	16733-G					
	16	16535-G	16735-G					
	20	16537-G	16737-G					
	25	16539-G	16739-G					
	32	16543-G	16739-G					
14 X 51	0.25	690V	17507-G	-	80,000	10/50		
	0.5		17509-G	-				
	1		17511-G	17711-G				
	2		17513-G	17713-G				
	4		17519-G	17719-G				
	6		17523-G	17723-G				
	8	17527-G	17727-G					
	10	17531-G	17731-G					
	12	17533-G	17733-G					
	16	17535-G	17735-G					
	20	17537-G	17737-G					
	25	17539-G	17739-G					
	32	17543-G	17743-G					
	40	17547-G	17747-G					
	45	17549-G	17749-G					
50	17551-G	17751-G						
22 x 58	4	690V	18519-G	18719-G	80,000	10/50		
	6		18523-G	18723-G				
	8		18527-G	18727-G				
	10		18531-G	18731-G				
	12		18533-G	18733-G				
	16		18535-G	18735-G				
	20	18537-G	18737-G					
	25	18539-G	18739-G					
	32	18543-G	18743-G					
	40	18547-G	18747-G					
	50	18551-G	18751-G					
	63	18555-G	18755-G					
	80	18559-G	18759-G					
	100	18563-G	18763-G					
	125	18565-G	18765-G					
		400V					120,000	

Blown-Fuse Indicator



Dimensions

FUSE SIZE	A	B	C
8 x 31	8.5	31.5	6.3
10 x 38	10.3	38	10.5
14 x 51	14.3	51	13.8
22 x 58	22.2	58	16.2

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CYLINDRICAL FUSE-LINKS

Catalog Numbers, Ratings – aM with Striker



17947-G



18951-G

Striker



BEFORE

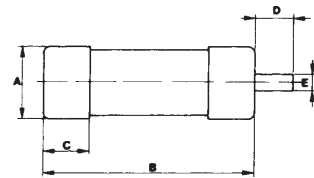
AFTER

SIZE (mm x mm)	RATED In CURRENT (A)	RATED VOLTAGE	CATALOG NUMBER	INTERRUPTING RATING (A)	STANDARD PACK/CTN.
14 X 51	1	500V	17911-G	120,000	10/50
	2		17913-G		
	4		17919-G		
	6		17923-G		
	8		17927-G		
	10		17931-G		
	12		17933-G		
	16		17935-G		
	20		17937-G		
	25		17939-G		
	32		17943-G		
	40		17947-G		
	45		17949-G		
	50		17951-G		
	22 X 58		4		
6		18923-G			
8		18927-G			
10		18931-G			
12		18933-G			
16		18935-G			
20		18937-G			
25		18939-G			
32		18943-G			
40		18947-G			
50		18951-G			
63		18955-G			
80		18959-G	500V 400V	18963-G	120,000
100		18963-G			
125		18965-G			

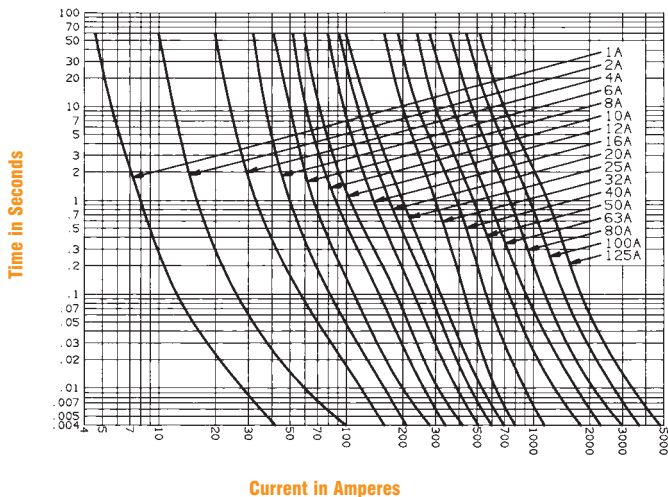
F

Dimensions

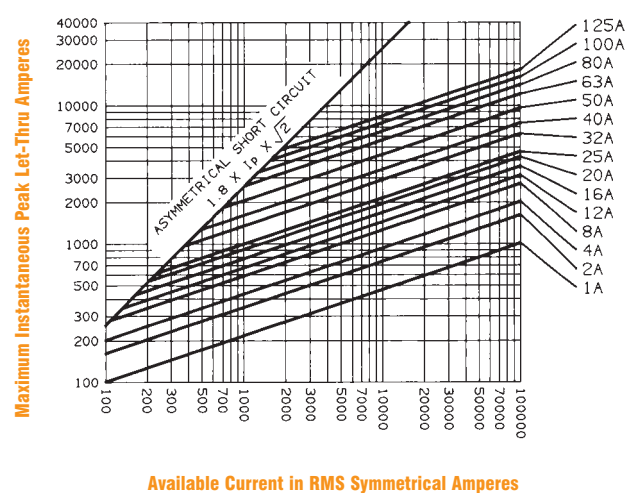
FUSE SIZE	A	B	C	D	E
14 x 51	14.3	51	13.8	7.5	3.8
22 x 58	22.2	58	16.2	7.5	3.8



Melting Time - Current Data – 1-125 Amperes



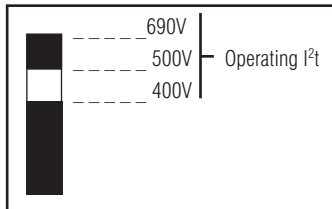
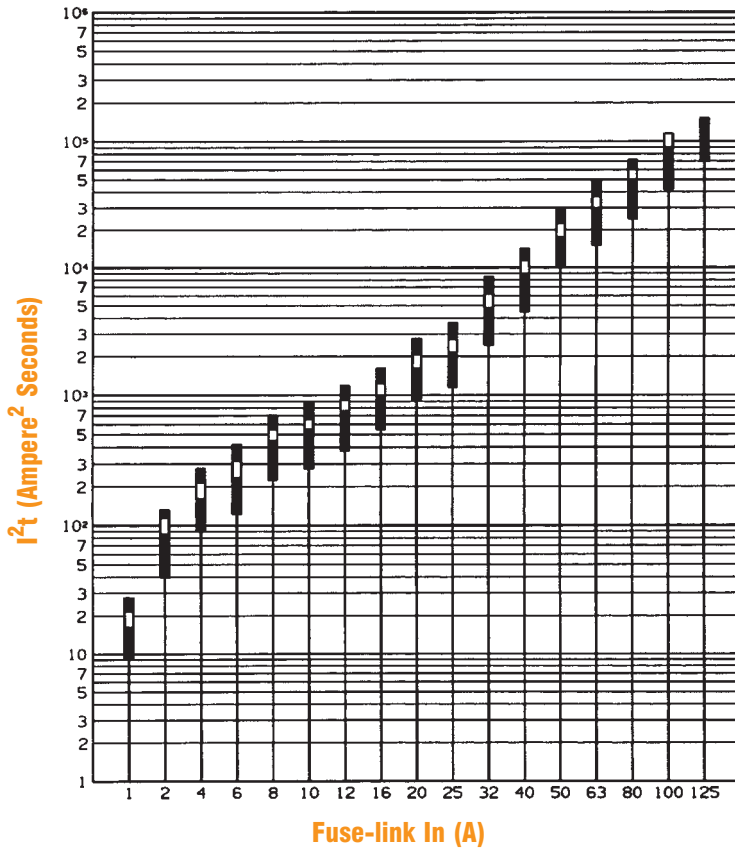
Peak Let-Thru Current Data – 1-125 Amperes



aM

CYLINDRICAL FUSE-LINKS

I^2t Characteristics – Discrimination



Power Loss (Watts) at Rated Current I_n

RATED I_n CURRENT (A)	SIZE		
	10 x 38	14 x 51	22 x 58
1	0.1 W		
2	0.2 W	0.3 W	
4	0.3 W	0.4 W	0.5 W
6	0.4 W	0.5 W	0.6 W
8	0.5 W	0.6 W	0.8 W
10	0.6 W	0.8 W	1.0 W
12	0.7 W	1.0 W	1.2 W
16	0.8 W	1.2 W	1.5 W
20	1.2 W	1.5 W	1.8 W
25	1.6 W	1.9 W	2.0 W
32	2.0 W	2.3 W	2.6 W
40		2.6 W	3.2 W
50		2.9 W	3.9 W
63			4.7 W
80			5.9 W
100			6.5 W
125			9.5 W

IEC 269-2	10 x 38	14 x 51	22 x 58
NFC 63210	16 A	50 A	100 A
UNE 21103	1.2 W	3 W	7 W

These values are much lower than those allowed by the standards.

Temperature

Temperature rise reached by aM fuse-links at I_n , measured on their upper contact.

