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Ferrule
Introduction

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Voltage	AC	DC	Ampere Range
150	X	X	5-60
250	X	X	1-50
500	X	X	0.25-30
600	X	X (400 Vdc)	6-32
700	X	—	1-100
700	X	X	1-50
750	X	X	5-60
1000	X	X (800 Vdc)	20-30
1250	X	X (1000 Vdc)	20-30
1500	X	X (1000 Vdc)	8-15
2000	X	X (1000 Vdc)	2-6

General Information

Select fuses designed and tested to:

- IEC 269: Part 4
- U.L. Recognized

Bussmann offers a full line of ferrule style (cylindrical and clip-mounted) fuses, designed and tested to meet standards and requirements in various locations around the world. Their unique design and construction provide:

- Superior cycling capability
- Low energy let-through (I^2t)

Ferrule fuses provide an excellent solution for small UPS, small AC drives and other low power applications where space is at a premium.

Voltage Rating

All Bussmann ferrule fuses — except 660 volt — have been tested at their rated voltage. The 660 volt ferrule fuse has been tested to the IEC 269 standard, which requires clearing at the rated voltage +10%.

Accessories

Ferrule fuses may be mounted in fuseclips, fuseholders, fuseblocks or fused switches. A variety of products are available to suit most end-use requirements.

Bussmann®

Ferrule
FWA 150V 5-60A

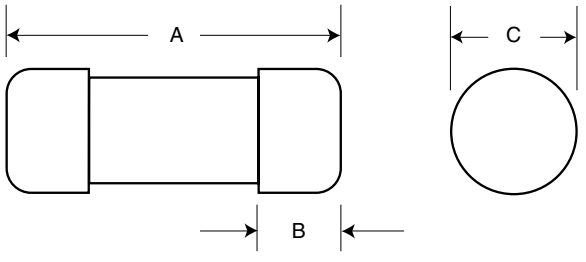
Electrical Characteristics					Ordering Information			Dimensions	Curves
Size	Rated Current RMS-Amps	I²t (A²S) Pre-arc	I²t (A²S) Clearing at 150V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
10 × 38mm (13/32")	5	1.6	8	1	FWA-5A10F	10	0.100	Fig. 1	page 103
	10	3.6	16	2.7	FWA-10A10F				
	15	14	55	3.3	FWA-15A10F				
	20	33	130	3.8	FWA-20A10F				
	25	58	220	4.9	FWA-25A10F				
	30	100	400	4.9	FWA-30A10F				
21 × 51mm (13/16")	35	75	800	4.5	FWA-35A21F	10	0.600	Fig. 1	
	40	100	1000	5.1	FWA-40A21F				
	45	130	1300	6	FWA-45A21F				
	50	170	1600	7.3	FWA-50A21F				
	60	250	2400	8.0	FWA-60A21F				

- Interrupting rating 100kA RMS Symmetrical.
- 150 Vdc U.L. Recognition.
- Watts loss provided at rated current.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 5-60 Amp Range



Part Number	Metric A	Metric B	Metric C	Inches A	Inches B	Inches C
FWA 5A10F-30A10F	38.1	9.5	10.3	1.5	0.375	0.406
FWA 35A21F-60A21F	50.8	15.9	20.6	2.0	0.625	0.811

Dimension in mm.
1mm = 0.0394" 1" = 25.4mm

Electrical Characteristics

Total Clearing I²t

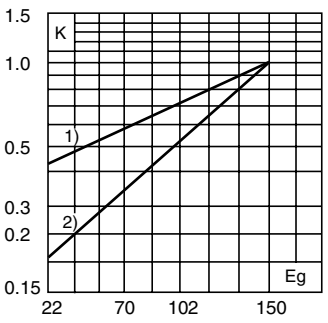
The total clearing I²t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I²t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

Arc Voltage

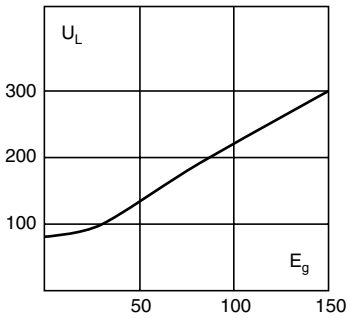
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

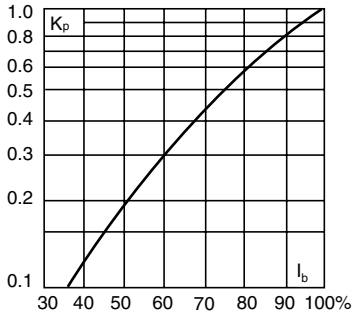
Power Losses

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.



1) 5-30 Amp Range
2) 35-60 Amp Range





BIF document: 720003

Ferrule

FWX 250V (U.L.) 1-30A

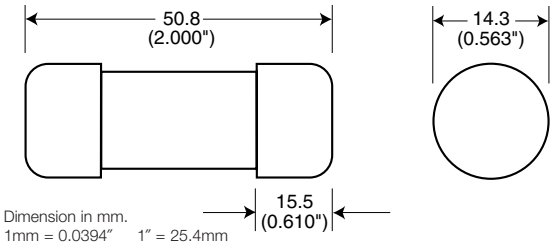
Electrical Characteristics					Ordering Information			Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 250V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
14 × 51mm (9/16")	1	—	—	—	FWX-1A14F	10	0.225	Fig. 1	page 104
	2	—	—	—	FWX-2A14F				
	3	—	—	—	FWX-3A14F				
	4	—	—	—	FWX-4A14F				
	5	1.6	13	1.3	FWX-5A14F				
	10	3.6	24	3.4	FWX-10A14F				
	15	14	83	3.8	FWX-15A14F				
	20	33	200	4.6	FWX-20A14F				
	25	58	300	5.3	FWX-25A14F				
	30	100	500	5.9	FWX-30A14F				
	50	200	1800	5.7	FWX-50A14F				

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (250 Vdc/Interrupting rating 50kA) U.L. Recognition on 5 through 30 amperes only. Consult Bussmann for additional ratings.
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 1-50 Amp Range



Electrical Characteristics

Total Clearing I^2t

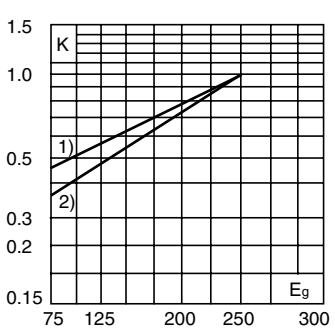
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

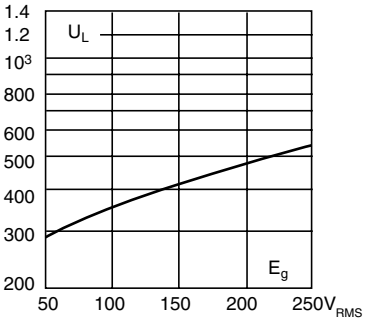
Arc Voltage

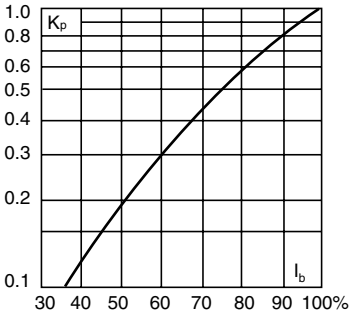
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

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.







Ferrule

FWH 500V 0.25-30A

Electrical Characteristics					Ordering Information			Dimensions	Curves
Size	Rated Current RMS-Amps	I²t (A²S) Pre-arc	I²t (A²S) Clearing at 500V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
6 × 32mm (¼″ × 1¼″)	0.25	0.01	0.05	2.7	FWH-.250A6F	10	0.03	Fig. 1	page 104
	0.5	0.05	0.25	1.2	FWH-.500A6F				
	1	0.4	2	1.7	FWH-001A6F				
	2	1.3	3.5	3.2	FWH-002A6F				
	3.15	3.1	7.7	2.9	FWH-3.15A6F				
	5	15	40	2.1	FWH-005A6F				
	6.3	36	90	2.3	FWH-6.30A6F				
	7	50	125	2.5	FWH-007A6F				
	10	19	51	—	FWH-010A6F				
	12.5	20	60	3.53	FWH-12.5A6F				
	15	44	146	3.08	FWH-015A6F				
	16	48	177	4.48	FWH-016A6F				
	20	75	259	4.26	FWH-020A6F				
	25	126	345	—	FWH-025A6F				
	30	145	430	—	FWH-030A6F				

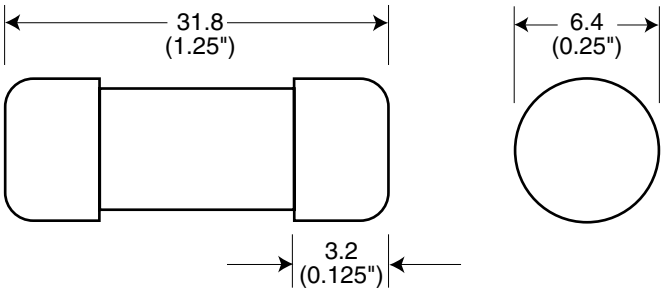
1 kg = 2.2 lbs. 1 lb = 0.45 kg

- 0.25-7A 300% minimum opening current at rated voltage.
  10-30A 200% minimum opening current at rated voltage.
- Interrupting rating: 0.25-20A 50kA at ≥ 20% pf 25-30A 20kA at ≥ 20% pf.
- Consult Bussmann for DC ratings.
- See accessories on page 102.

Opening Times

Current Ratings	150%	200%	300%
0.25A -7A	> 30 min.	< 30 min.	≤ 10 sec.
10-30A	< 30 min.	< 30 min.	≤ 10 sec.

Dimensions



Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

BIF document: 720038

Ferrule

FWH 500V 1-30A

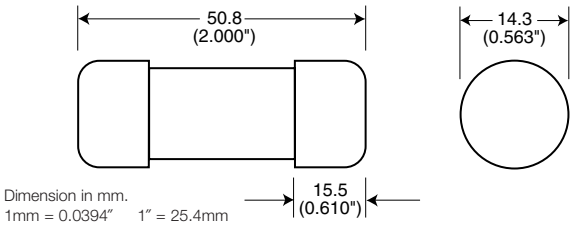
Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 500V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
14 × 51mm (9/16")	1	—	—	—	FWH-1A14F	10	0.250	Fig. 1	page 105
	2	—	—	—	FWH-2A14F				
	3	—	—	2.3	FWH-3A14F				
	4	—	—	—	FWH-4A14F				
	5	1.6	6.4	1.5	FWH-5A14F				
	6	1.6	6.4	1.5	FWH-6A14F				
	10	3.6	13	4	FWH-10A14F				
	12	—	—	—	FWH-12A14F				
	15	10	40	5.5	FWH-15A14F				
	20	26	96	6	FWH-20A14F				
	25	49	191	7	FWH-25A14F				
	30	58	232	9	FWH-30A14F				

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (500 Vdc/Interrupting rating 50kA) U.L. Recognition on 5 through 30 amperes only. Consult Bussmann for additional ratings.
- CSA Component Acceptance: 5 - 30A
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 1-30 Amp Range

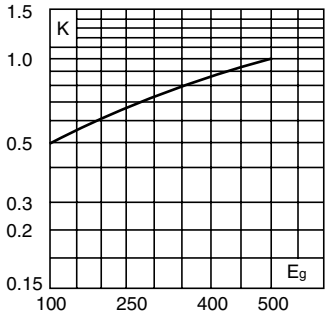


Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

Electrical Characteristics

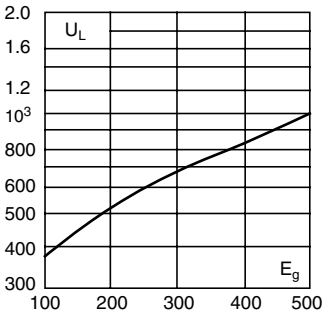
Total Clearing I^2t

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).



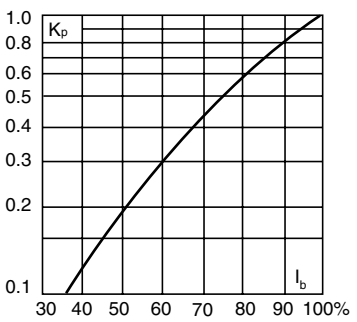
Arc Voltage

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.



BIF document: 720008

Ferrule

FWC 600V 6-32A

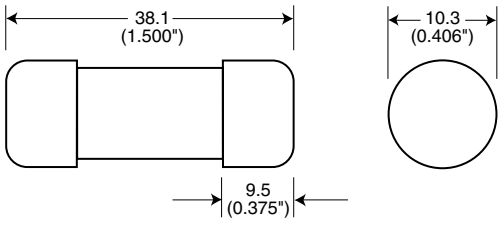
Electrical Characteristics					Ordering Information			Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 600V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
10 × 38mm (13⁄32″)	6	4	30	1.5	FWC-6A10F	10	0.100	Fig. 1	page 106
	8	6	50	2.0	FWC-8A10F				
	10	9	70	2.5	FWC-10A10F				
	12	15	120	3.0	FWC-12A10F				
	16	25	150	3.5	FWC-16A10F				
	20	34	260	4.8	FWC-20A10F				
	25	60	390	6.0	FWC-25A10F				
	32	95	600	7.5	FWC-32A10F				

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (400 Vdc/Interrupting rating 50kA) U.L. Recognition: 32A
- (700 Vdc/Interrupting rating 50kA) U.L. Recognition: 6 - 25A
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 6-32 Amp Range



Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

Electrical Characteristics

Total Clearing I^2t

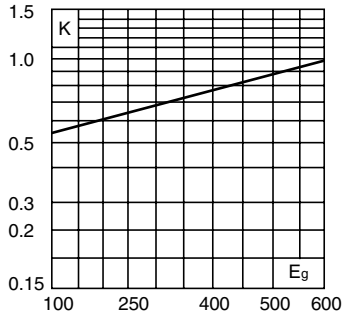
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

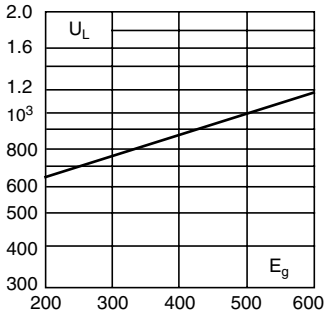
Arc Voltage

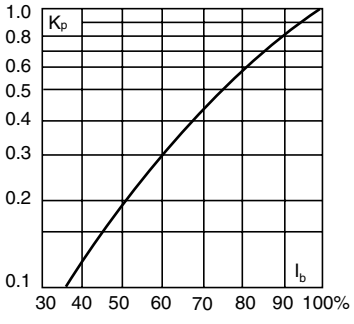
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

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.







BIF document: 720011

Ferrule

FWP 660V/700V (IEC/U.L.) 1-50A

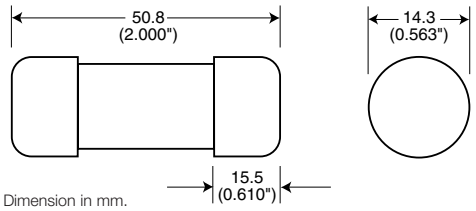
Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 660V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
	1	—	—	—	FWP-1A14F				
	2	—	—	—	FWP-2A14F				
	3	—	—	—	FWP-3A14F				
	4	—	—	—	FWP-4A14F				
	5	1.6	11	1.5	FWP-5A14F				
	6	—	—	—	FWP-6A14F				
14 × 51mm (9⁄16″)	10	3.6	22	4	FWP-10A14F	10	0.225	Fig. 1	page 106
	15	10	75	5.5	FWP-15A14F				
	20	26	180	6	FWP-20A14F				
	25	44	320	7	FWP-25A14F				
	30	58	450	9	FWP-30A14F				
	32	68	600	7.6	FWP-32A14F				
	40	84	750	8	FWP-40A14F				
	50	200	1800	9	FWP-50A14F				

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (700 Vdc/Interrupting rating 50kA) U.L. Recognition.
- CSA Component Acceptance: 5 - 30A.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 1-50 Amp Range



Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

Electrical Characteristics

Total Clearing I^2t

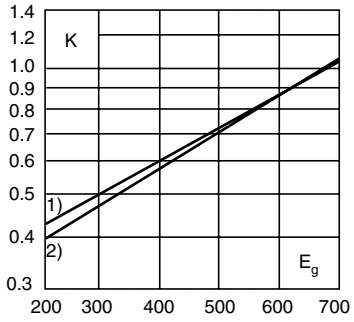
The total clearing I^2t at rated voltage and at power factor of 15% are given in the electrical characteristics. For other voltages, the clearing I^2t is found by multiplying by correction factor, K, given as a function of applied working voltage, E_g, (RMS).

Arc Voltage

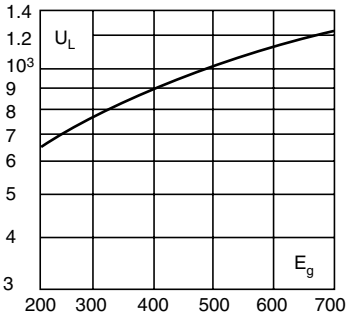
This curve gives the peak arc voltage, U_L, which may appear across the fuse during its operation as a function of the applied working voltage, E_g, (RMS) at a power factor of 15%.

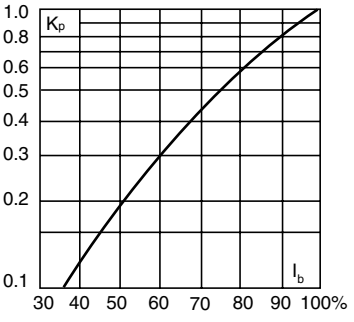
Power Losses

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.



1) 5-30 Amp Range
2) 32-50 Amp Range





BIF document: 720025

Ferrule

FWP 660V/700V (IEC/U.L.) 20-100A

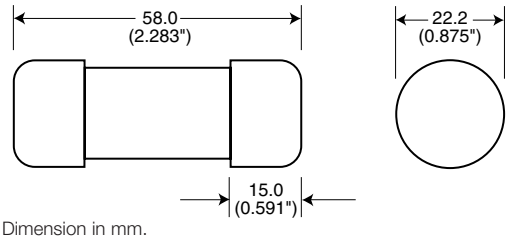
Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 660V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
22 × 58mm (7/8")	20	23	260	4.6	FWP-20A22F	10	0.450	Fig. 1	page 107
	25	37	410	5.6	FWP-25A22F				
	32	55	605	7.0	FWP-32A22F				
	40	68	750	8.5	FWP-40A22F				
	50	155	1600	9.5	FWP-50A22F				
	63	280	3080	11	FWP-63A22F				
	80	600	6600	13.5	FWP-80A22F				
	100	1100	12500	16	FWP-100A22F				

- Interrupting rating 200kA RMS Symmetrical.
- Watts loss provided at rated current.
- (500 Vdc/Interrupting rating 50kA) U.L. Recogition.
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 20-100 Amp Range

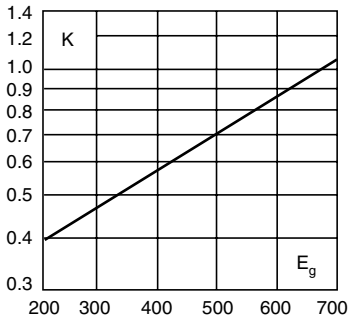


Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

Electrical Characteristics

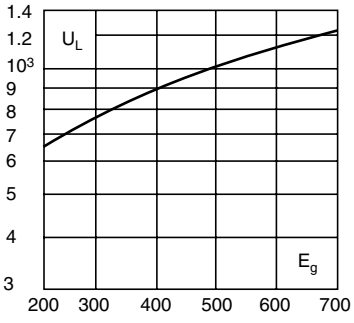
Total Clearing I^2t

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).



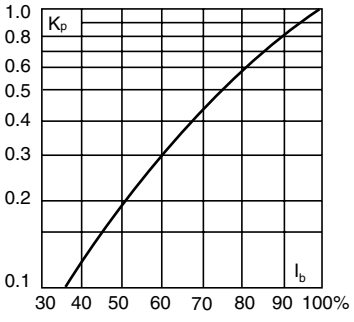
Arc Voltage

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.



BIF document: 720026

Ferrule

FWK 750V 5-60A

Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 750 Vdc	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
20 × 127mm (13/16″)	5	8.5	16	—	FWK-5A20F	10	0.95	Fig. 1	page 107
	8	50	100	—	FWK-8A20F				
	10	95	200	—	FWK-10A20F				
	15	100	240	—	FWK-15A20F				
	20	125	315	—	FWK-20A20F				
	25	400	1100	—	FWK-25A20F				
	30	800	2600	—	FWK-30A20F				
25 × 146mm (1″)	35	1300	4300	—	FWK-35A25F	10	1.65	Fig. 2	
	40	1600	5300	—	FWK-40A25F				
	50	3100	12000	—	FWK-50A25F				
	60	5900	24000	—	FWK-60A25F				

- Interrupting rating 45kA RMS symmetrical.
- 750 Vdc rating for 5 through 60 amperes (Time constant = 10-15 mS).
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 5-30 Amp Range

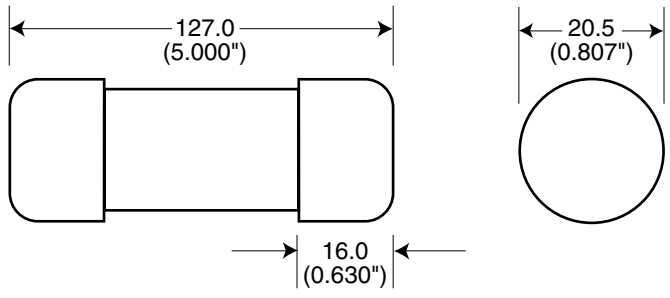
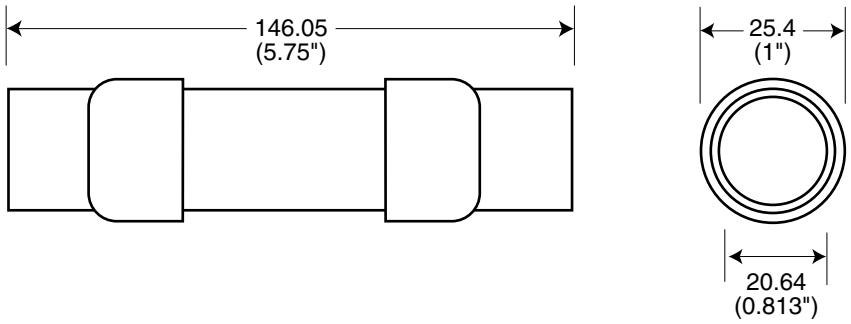


Fig. 2: 35-60 Amp Range



Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

Bussmann®

Ferrule

FWJ 1000V 20-30A

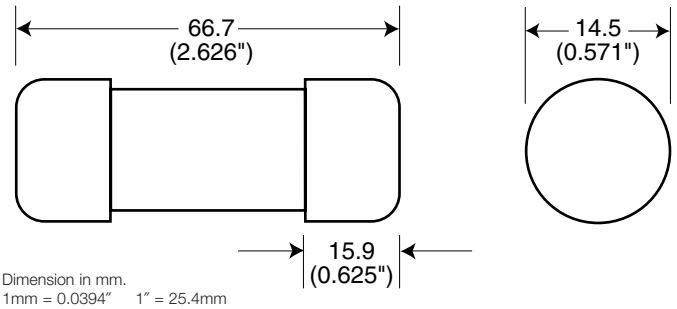
Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 1000V	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
14 × 67mm (9/16")	20	25	220	9	FWJ-20A14F	10	0.300	Fig. 1	page 108
	25	33	350	11	FWJ-25A14F				
	30	52	450	14	FWJ-30A14F				

- Interrupting rating 25kA RMS Symmetrical.
- Watts loss provided at rated current.
- (800 Vdc/Interrupting rating 20kA) U.L. Recognized.
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 20-30 Amp Range

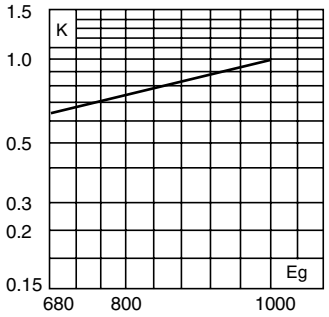


Dimension in mm.
1mm = 0.0394" 1" = 25.4mm

Electrical Characteristics

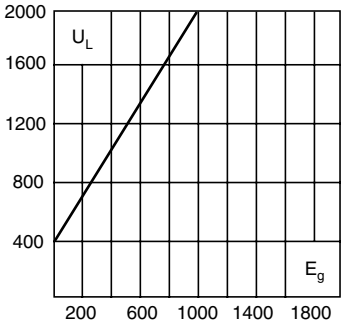
Total Clearing I^2t

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).



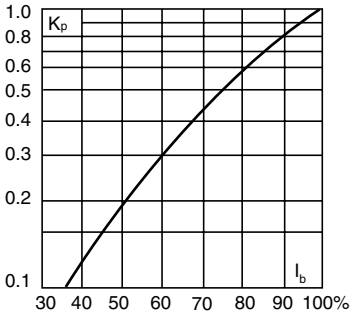
Arc Voltage

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.



BIF document: 720028

Ferrule

FWL/FWS 1250V/1500V/2000V 2-30A

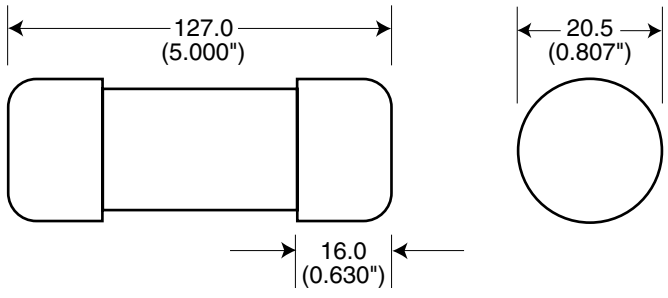
Electrical Characteristics				Ordering Information				Dimensions	Curves
Size	Rated Current RMS-Amps	I^2t (A^2S) Pre-arc	I^2t (A^2S) Clearing at 1000 Vdc	Watts Loss	Part Number	Carton Qty.	Carton Weight (kg)	Figure Number	See Page
20 × 127mm ($^{13}/_{16}$″)	¥2	0.8	2.4	4.4	FWS-2A20F	10	1.00	Fig. 1	page 108
	¥6	27	81	6.7	FWS-6A20F				
	†8	64	192	7.6	FWS-8A20F				
	†10	118	277	3.0	FWS-10A20F				
	†12	170	380	3.4	FWS-12A20F				
	†15	209	500	5.0	FWS-15A20F				
	‡20	675	1550	5.9	FWL-20A20F				
	‡25	1200	2760	6.5	FWL-25A20F				
	‡30	1850	4300	7.5	FWL-30A20F				

- Interrupting rating 45kA RMS Symmetrical.
- Rated voltage (IEC) ¥ 2000V †1500V ‡1250V
- 1000 Vdc/30kA rating.
- See accessories on page 102.

1 kg = 2.2 lbs. 1 lb = 0.45 kg

Dimensions

Fig. 1: 2-30 Amp Range



Dimension in mm.
1mm = 0.0394″ 1″ = 25.4mm

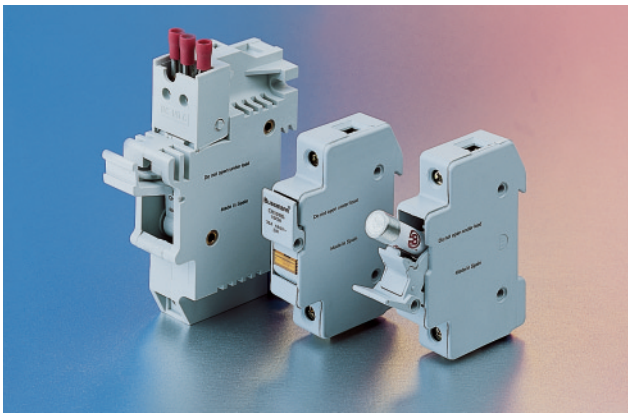
Ferrule – Accessories

Fuseholders

Catalog Symbol: CH Series
Features:

- 10 × 38 Dovetail design provides maximum flexibility in assembling multiple poles
- Touchsafe design - No exposed contacts
- DIN rail mount (35mm)
- Optional open fuse indication lights
- Excellent for switchboard panel, control consoles, small motors, transformers, and similar applications
- Handle/fusepuller to install and remove fuses easily
- Available in single and multi-pole configurations
- Circuit marking system (P/N CH10CL and CH10CM)
- Wire ready: Saves time as terminals are ready to accept wires.
- CE marking

Standards:
North American 10 × 38 Class CC
Listed U.L. 512, Guide IZLT, File E14853
Certified CSA Std. C22.2 No. 39, Class 6225 01, File 47235
North American 10 × 38 Midget
Recognized U.L. 512, Guide IZLT2, File E14853
Certified CSA Std. C22.2 No. 39, Class 6225 01, File 47235

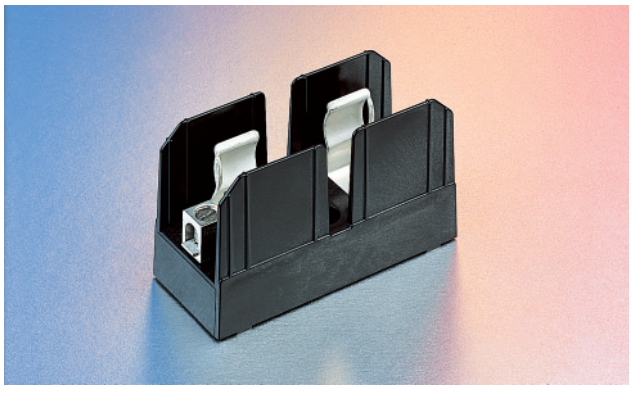


European 10 × 38 IEC 269-2-1
14 × 51 IEC 269-2
22 × 58 IEC 269-2

Recommended Buss® Fuse Types:
10 × 38 North American Class CC Fuses - LP-CC, FNQ-R, KTK-R
10 × 38 North American Midget Fuses - FNQ, KTK, AGU, BAF, BAN, FNM, FWA, & FWC
14 × 51 Fuses - FWX, FWH, FWP & NON
22 × 58 Fuses - FWP

BIF document: 1151

Catalog Symbol: J70100
Ampere Rating: 100 Amperes
Voltage Rating: 700 Volts AC
Agency Approvals:
UL Recognized, Guide IZLT2, File E14853
Withstand Rating: 200,000 RMS Sym. Amps
For use with 22 × 58mm fuses
(FWP-40A22F, FWP-100A22F, etc.)
Materials: Thermoplastic
UL Flammability: 94 VO



Amps	Poles	Catalog Numbers: Box Lug w/ Retaining Clip	Catalog Numbers: Max. Wire Size
100	1	J70100-1CR	#2
	2	J70100-2CR	#2
	3	J70100-3CR	#2

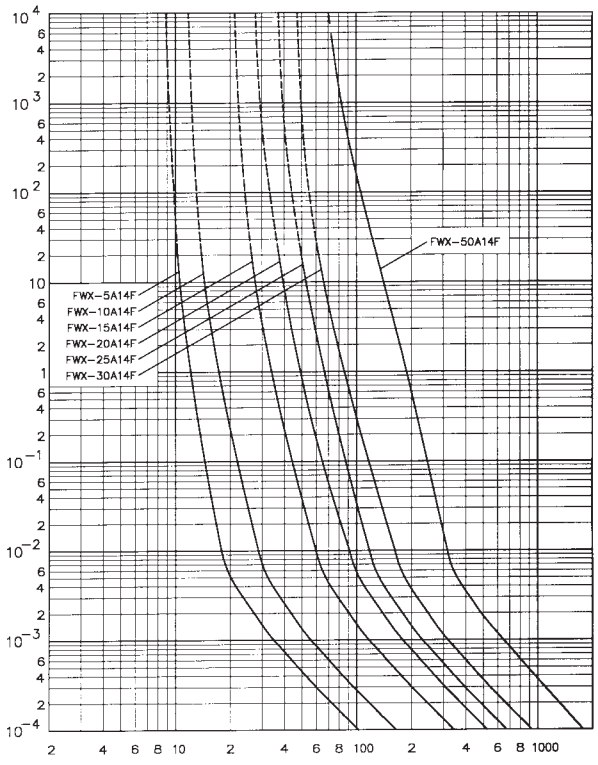
BIF document: 1211

Ferrule

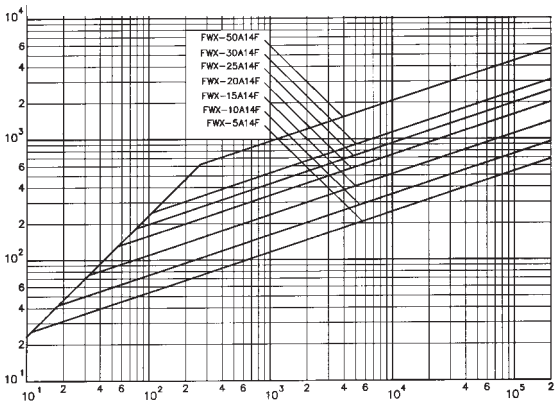
Curves

FWA 150V 5-30A (10 × 38mm)

Time-Current Curve



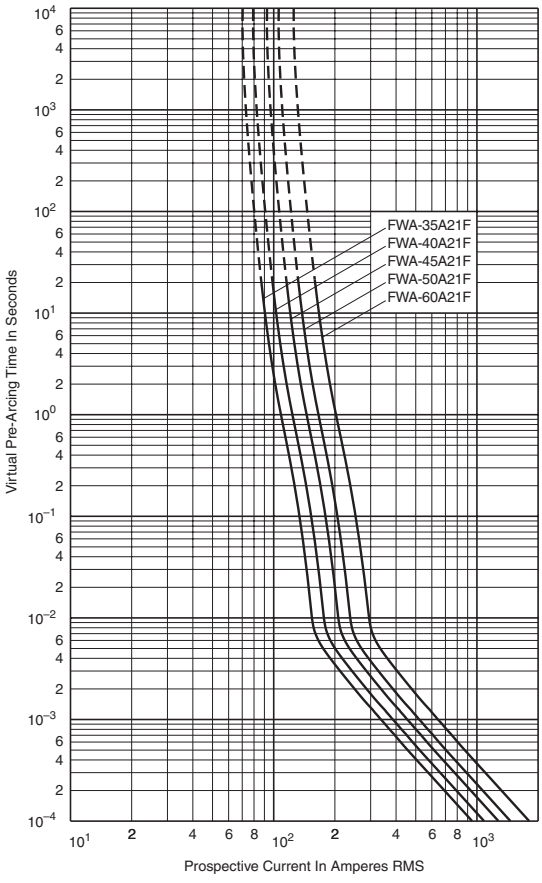
Peak Let-Through Curve



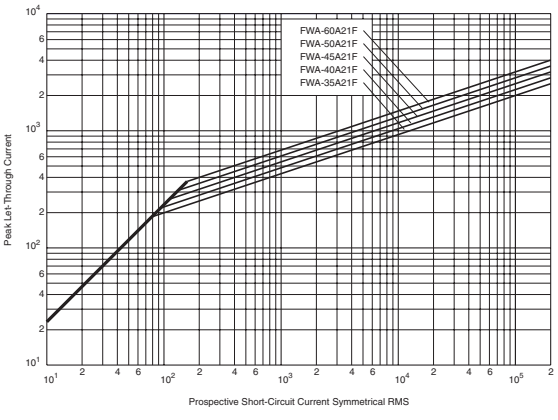
BIF document: 35785317

FWA 150V 35-60A (21 × 51mm)

Time-Current Curve



Peak Let-Through Curve



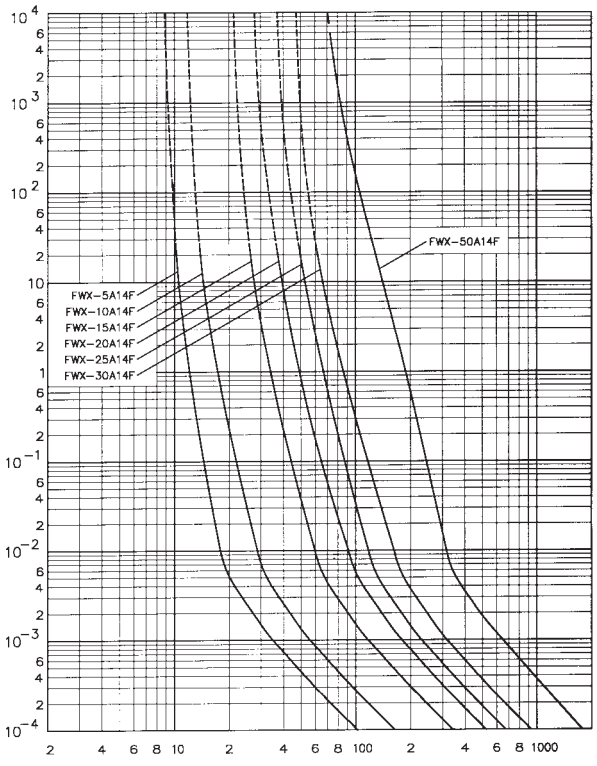
BIF document: 35785305

Ferrule

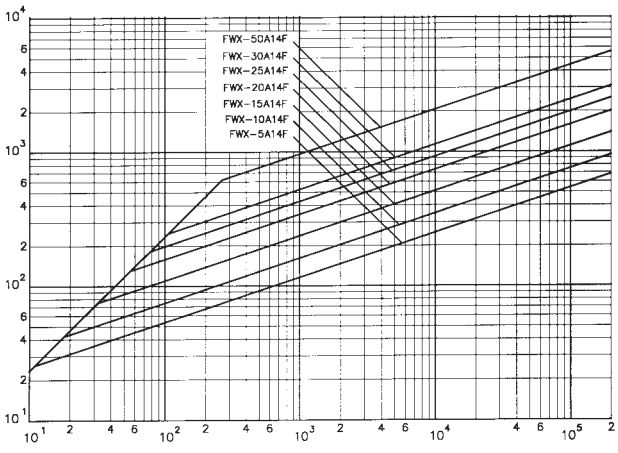
Curves

FWX 250V 1-30A (14 × 51mm)

Time-Current Curve



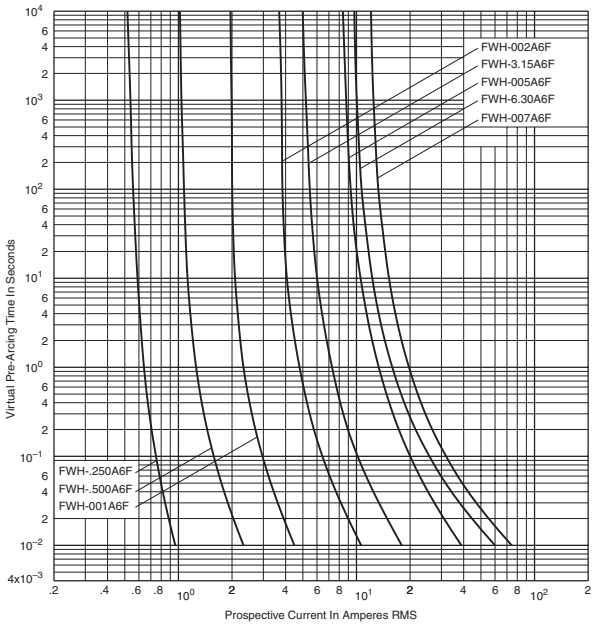
Peak Let-Through Curve



BIF document: 35785302

FWH 500V 0.25-7A (6 × 32mm)

Time-Current Curve



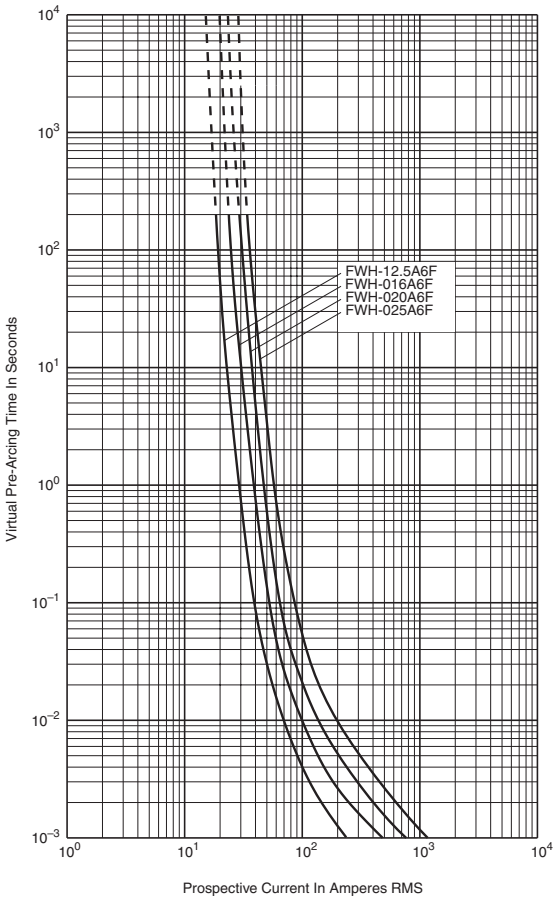
BIF document: 35785256

Ferrule

Curves

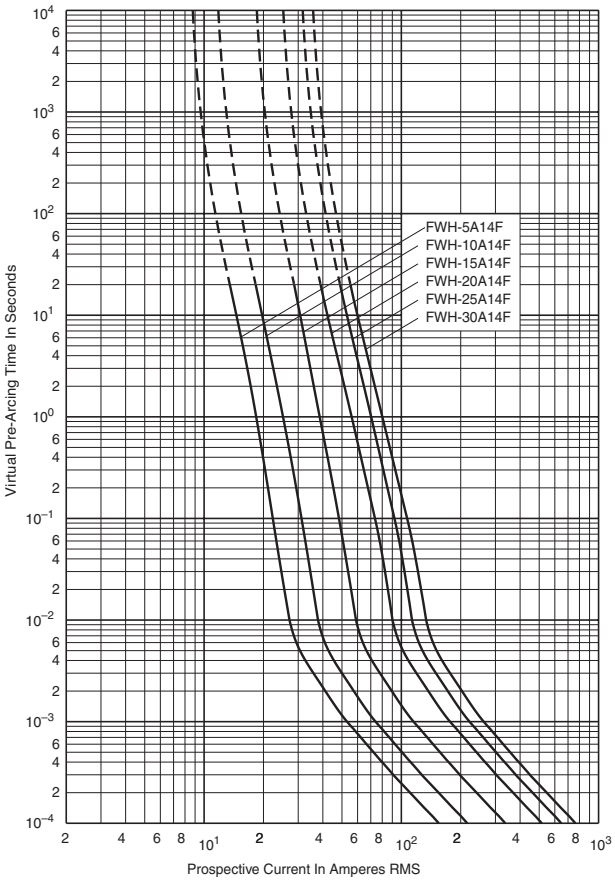
FWH 500V 10-30A (6 × 32mm)

Time-Current Curve

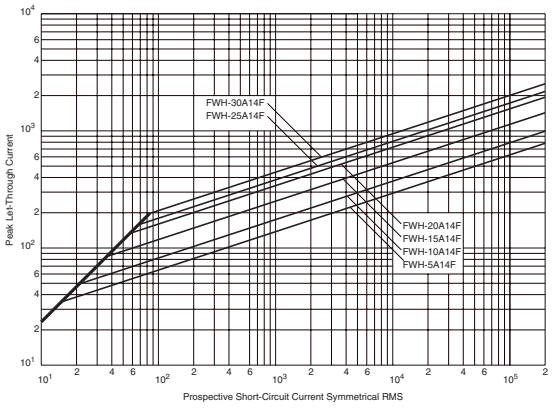


FWH 500V 1-30A (14 × 51mm)

Time-Current Curve



Peak Let-Through Curve



BIF document: 50955

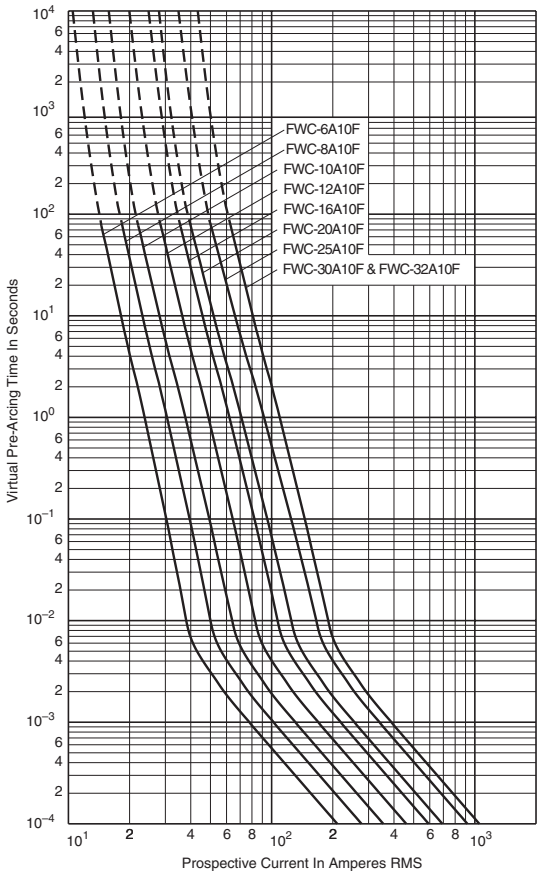
BIF document: 35785298

Ferrule

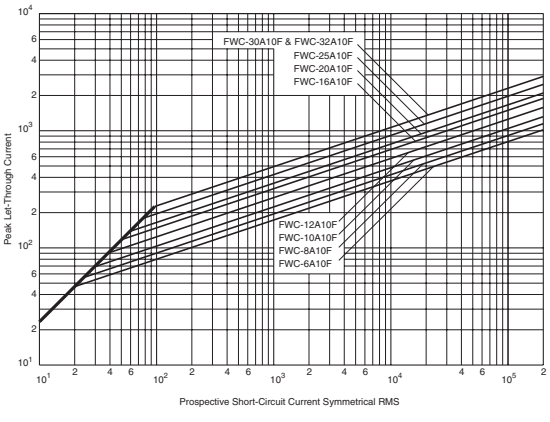
Curves

FWC 600V 6-32A (10 × 38mm)

Time-Current Curve



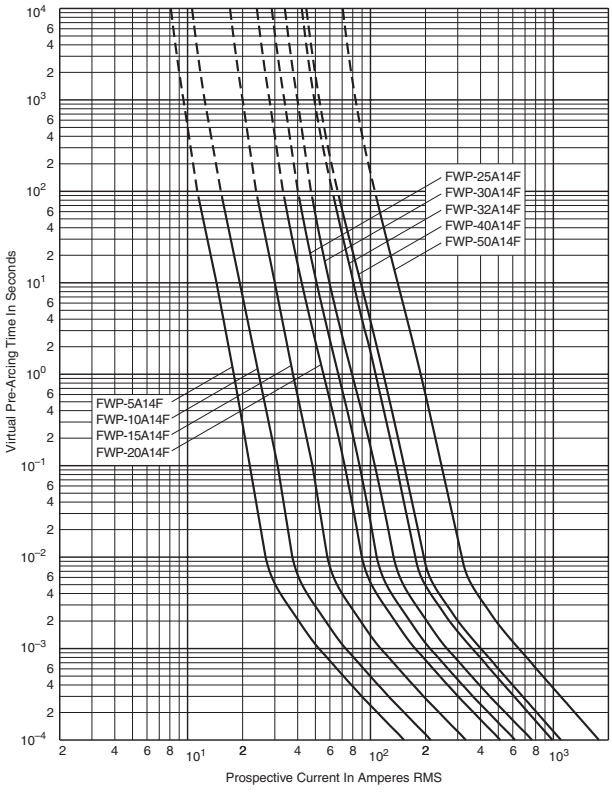
Peak Let-Through Curve



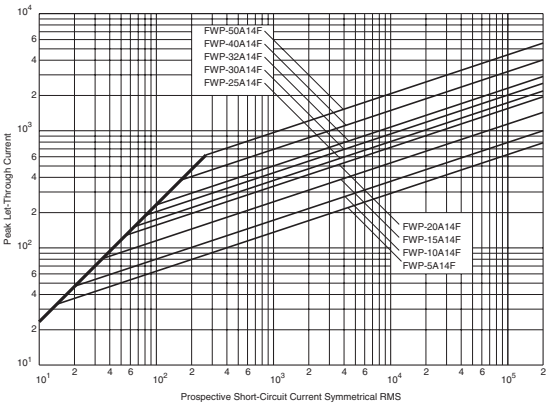
BIF document: 35785306

FWP 660V/700V 1-50A (14 × 51mm)

Time-Current Curve



Peak Let-Through Curve



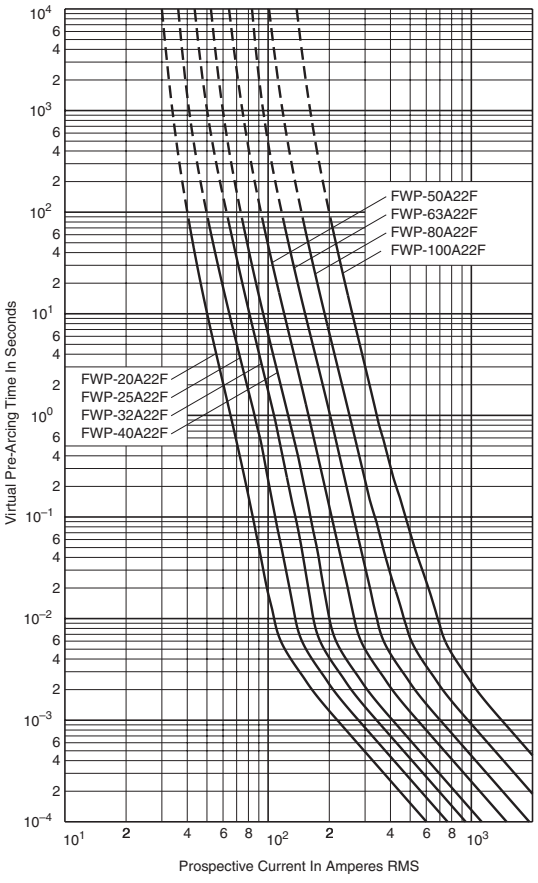
BIF document: 35785307

Ferrule

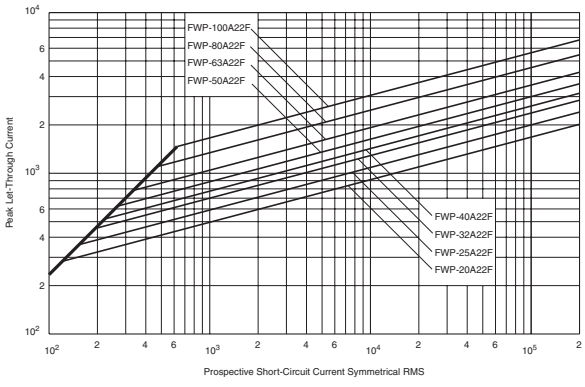
Curves

FWP 660V/700V 20-100A (22 × 58mm)

Time-Current Curve

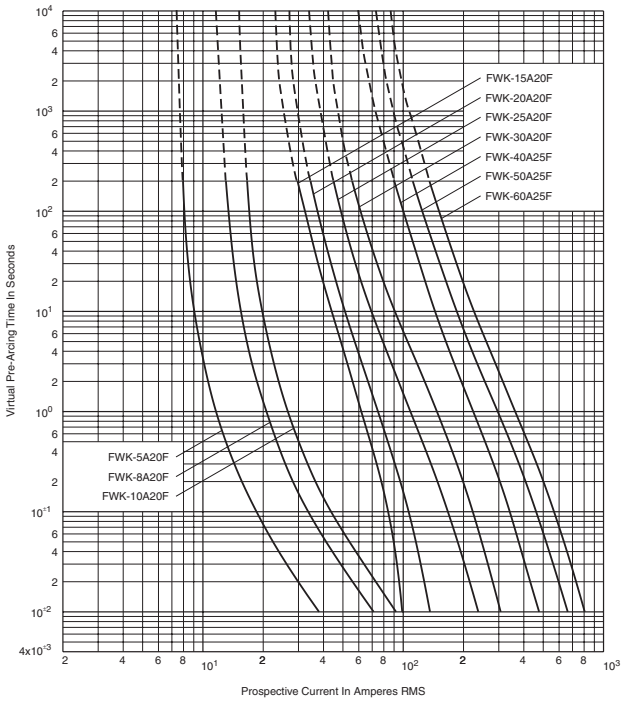


Peak Let-Through Curve



FWK 750V 5-30A (20 × 127mm)
FWK 750V 35-60A (25 × 146mm)

Time-Current Curve



BIF document: 35785291

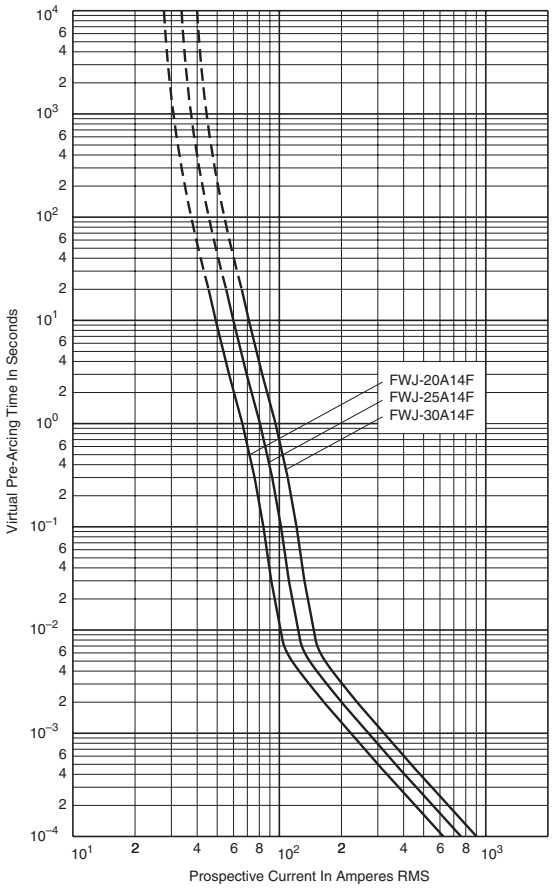
BIF document: 35785031

Ferrule

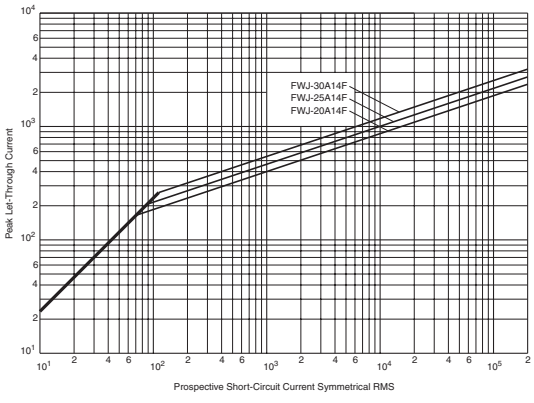
Curves

FWJ 1000V 20-30A (14 × 67mm)

Time-Current Curve



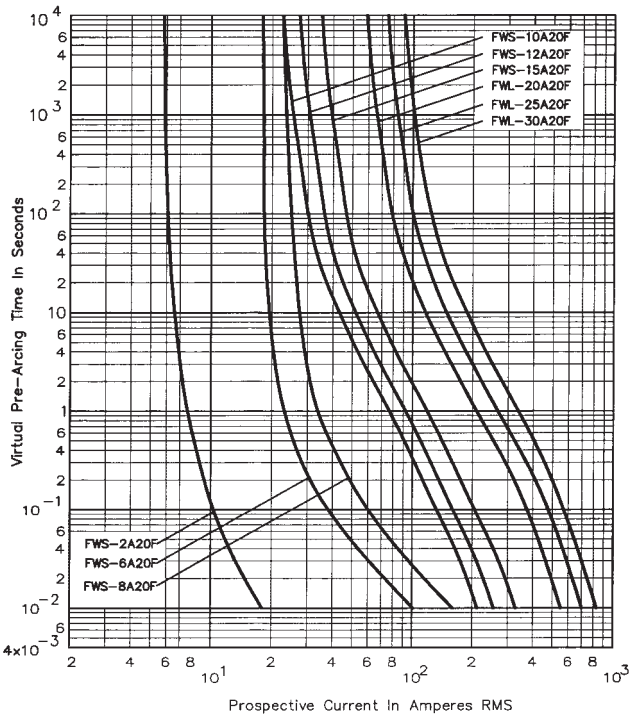
Peak Let-Through Curve



BIF document: 35785315

FWL/FWS 1250V/1500V 2-30A (20 × 127mm)

Time-Current Curve



BIF document: 35785109