

NH Dimension Fuses AS17B 690V: 4-630A



Description

The Chordn fuse-links provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. The Chordn have been engineered to provide state of the-art protection for semiconductors: diodes, thyristors GTO's and IGBT devices. Fuses are assembled with pure silver, die-cut elements embedded in solidified sand, which helps control arcing characteristics for a lower I^2t and high interrupting rating level. All contact surfaces are silver plated.

Ratings

Volts: 690 VAC
 Amps: 4 - 630 A
 I.R. AC: 120KA/200KA
 Speed/Characteristic: aR
 Material Body: Ceramic
 Contact Materials: Silver plated copper
 Environmental RoHS Compliant

Standards

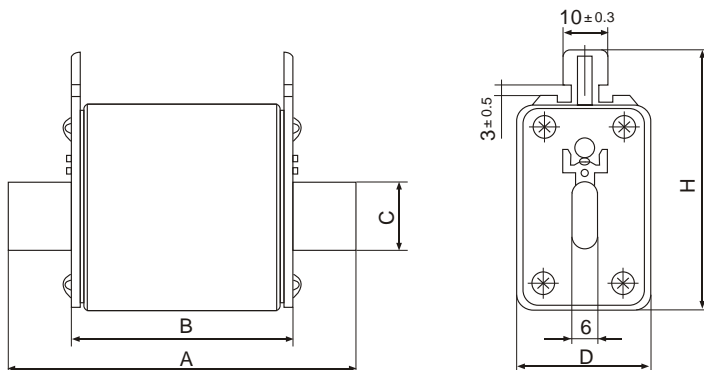
IEC 60269-1
 IEC 60269-4

Features and Benefits

Ultra fast acting
 aR Class according to IEC 60269-4
 Very low I^2t for improved semiconductor protection

Typical Applications

DC common bus
 DC drives
 Power converters/rectifiers
 Reduced voltage starters



Dimensions (mm)

Size	Amp	A	B	C	D	H
00C	4-100A	78.5	49.5	15	21	52.5
00	10-160A	78	50.5	15	30	60
0	6-160A	125	67	15	30	60
01	32-250A	135	67	20	46	58.5
02	80-400A	150	68	30	58.5	68.5
03	160-630A	150	68	36	70	82

1mm = 0.0394" / 1" = 25.4mm

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Catalog Numbers

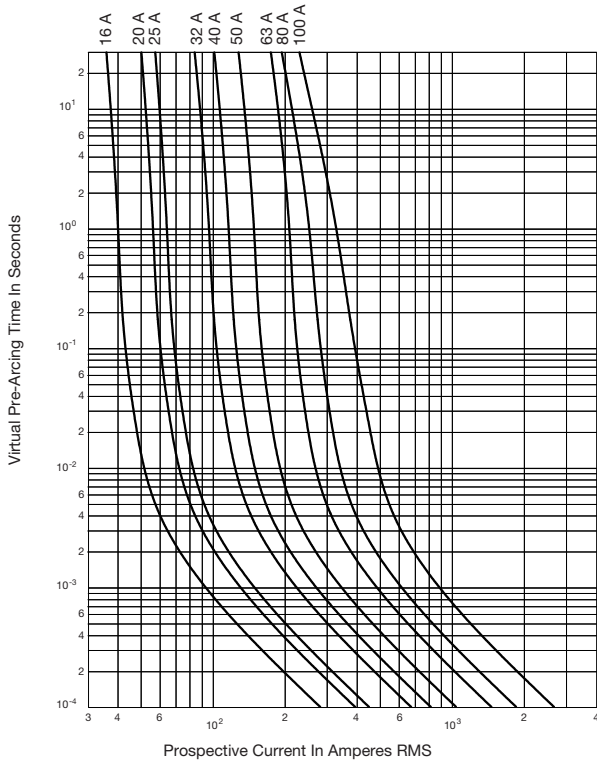
Electrical Characteristics					Ordering Information		
Size	Rated Current	Pre-arcing I ² t (A ² s)	Clearing I ² t @ Rated Voltage (A ² s)	Watts Loss	Part number	Carton qty	weight
00C	4	2	20	1.8W	AS17B00C-4A	3	132g
	6	3	25	2.0W	AS17B00C-6A		
	8	4	30	2.2W	AS17B00C-8A		
	10	6	35	2.3W	AS17B00C-10A		
	12	7	40	2.5W	AS17B00C-12A		
	16	8	50	2.8W	AS17B00C-16A		
	20	15	90	2.8W	AS17B00C-20A		
	25	21	130	4.2W	AS17B00C-25A		
	32	46	270	5.5W	AS17B00C-32A		
	40	67	400	8.3W	AS17B00C-40A		
	50	110	630	9.7W	AS17B00C-50A		
	63	216	1300	12.5W	AS17B00C-63A		
	80	348	2000	16.7W	AS17B00C-80A		
100	722	4300	19.4W	AS17B00C-100A			
00	10	6	35	2.3W	AS17B00-10A	5	132g
	16	8	50	2.8W	AS17B00-16A		
	20	15	90	2.8W	AS17B00-20A		
	25	21	130	4.2W	AS17B00-25A		
	32	46	270	5.5W	AS17B00-32A		
	40	67	400	8.3W	AS17B00-40A		
	50	110	630	9.7W	AS17B00-50A		
	63	216	1300	12.5W	AS17B00-63A		
	80	348	2000	16.7W	AS17B00-80A		
	100	722	4300	19.4W	AS17B00-100A		
	125	1390	8200	20.8W	AS17B00-125A		
	160	2070	12200	30.5W	AS17B00-160A		
	0	6	3	25	13.8W		
8		4	30	14.0W	AS17B0-8A		
10		6	35	15.2W	AS17B0-10A		
16		8	50	15.5W	AS17B0-16A		
20		15	90	16.0W	AS17B0-20A		
25		21	130	17.0W	AS17B0-25A		
32		32	170	19.4W	AS17B0-32A		
40		54	280	20.8W	AS17B0-40A		
50		87	470	20.8W	AS17B0-50A		
63		128	700	23.6W	AS17B0-63A		
80		184	970	25.0W	AS17B0-80A		
100		392	2080	30.5W	AS17B0-100A		
125		722	3890	36.1W	AS17B0-125A		
160	1550	8320	44.4W	AS17B0-160A			
01	32	32	170	19.4W	AS17B01-32A	3	447g
	40	54	280	20.8W	AS17B01-40A		
	50	87	470	20.8W	AS17B01-50A		
	63	128	700	36.1W	AS17B01-63A		
	80	216	1170	43.0W	AS17B01-80A		
	100	288	1570	45.8W	AS17B01-100A		
	125	620	3320	53.0W	AS17B01-125A		
	160	1170	6270	58.0W	AS17B01-160A		
	200	2480	11300	66.7W	AS17B01-200A		
	250	4690	25100	75.0W	AS17B01-250A		
02	80	216	1170	43.0W	AS17B02-80A	1	727g
	100	288	1570	45.8W	AS17B02-100A		
	125	620	3320	53.0W	AS17B02-125A		
	160	968	5180	75.0W	AS17B02-160A		
	200	1710	9220	83.0W	AS17B02-200A		
	250	3500	18700	93.0W	AS17B02-250A		
	315	6870	36900	108 W	AS17B02-315A		
	355	9580	51400	116 W	AS17B02-355A		
400	13500	72300	125 W	AS17B02-400A			
03	160	968	5180	75.0W	AS17B03-160A	1	975g
	200	1710	9220	83.0W	AS17B03-200A		
	250	3500	18700	93.0W	AS17B03-250A		
	315	5240	28200	113 W	AS17B03-315A		
	355	7540	40600	117 W	AS17B03-355A		
	400	10500	56500	130 W	AS17B03-400A		
	500	15700	119000	150 W	AS17B03-500A		
630	22200	228000	175 W	AS17B03-630A			

- Interrupting rating 120KA RMS Symmetrical. Please contact us if you need interrupting rating 200KA.
- Watts loss provided at rated current.

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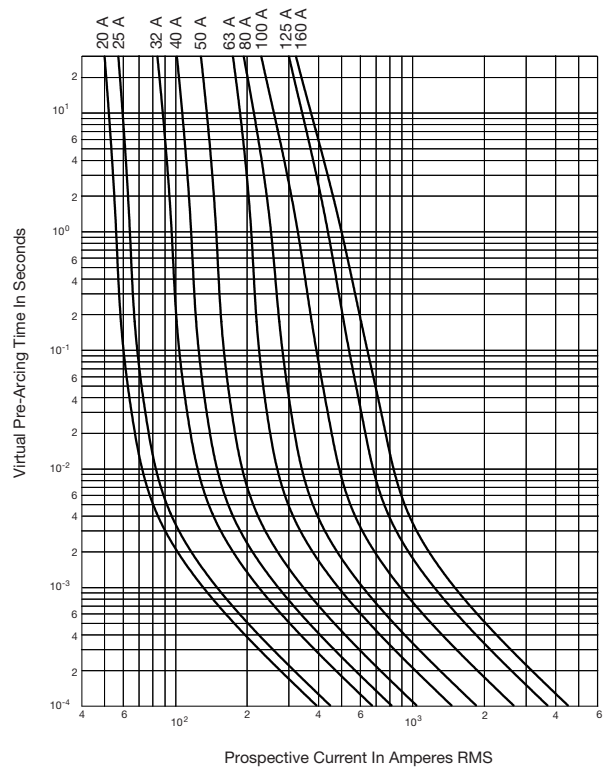
AS17B00C 690V: 4-100A

Time-Current Curve

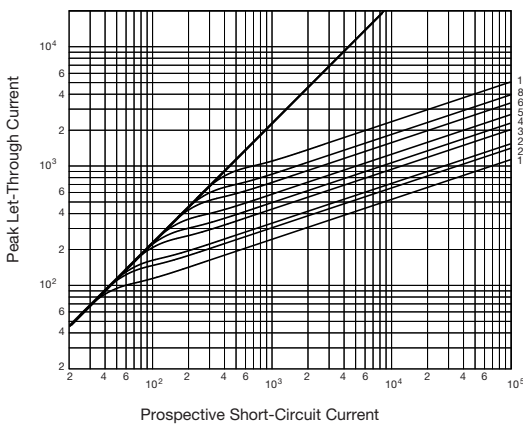


AS17B00 690V: 10-160A

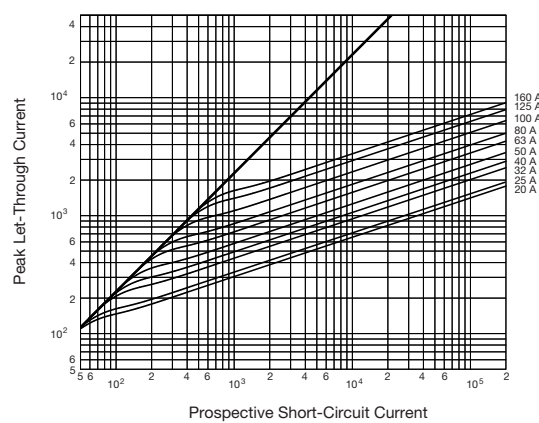
Time-Current Curve



Peak Let-Through Curve



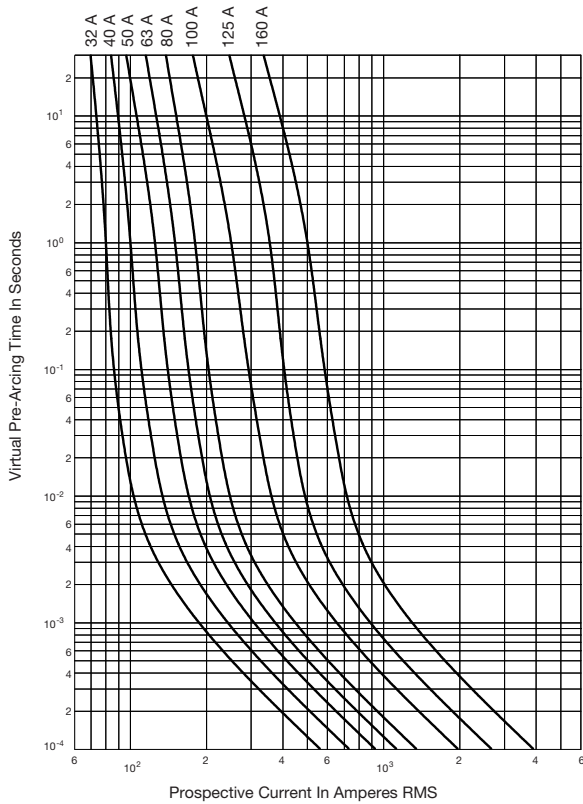
Peak Let-Through Curve



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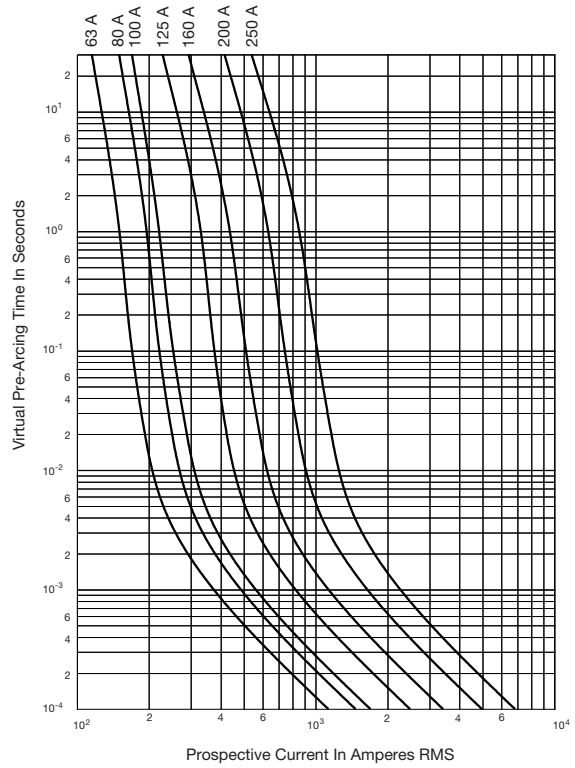
AS17B0 690V: 6-160A

Time-Current Curve

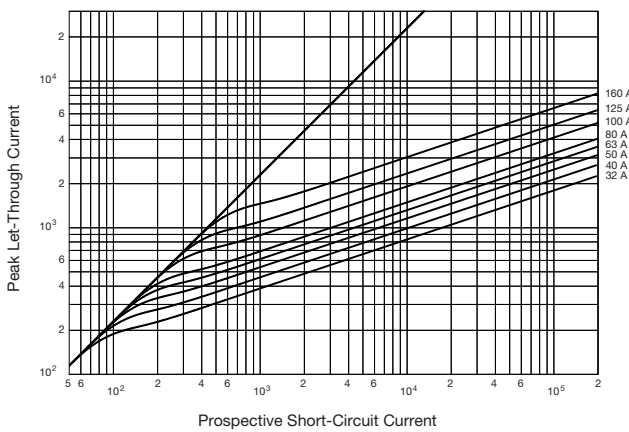


AS17B01 690V: 32-250A

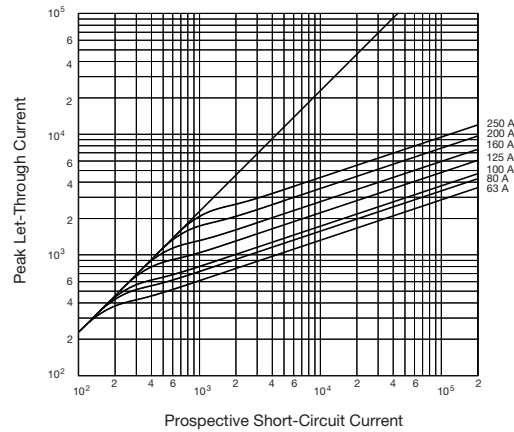
Time-Current Curve



Peak Let-Through Curve



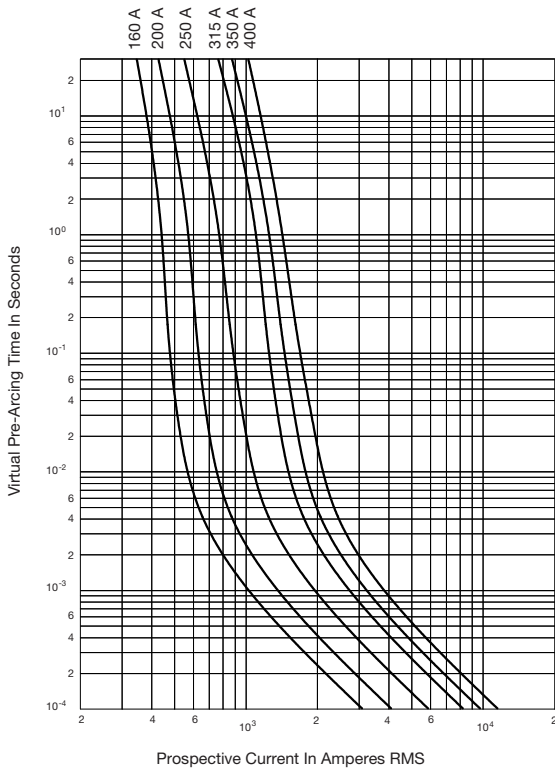
Peak Let-Through Curve



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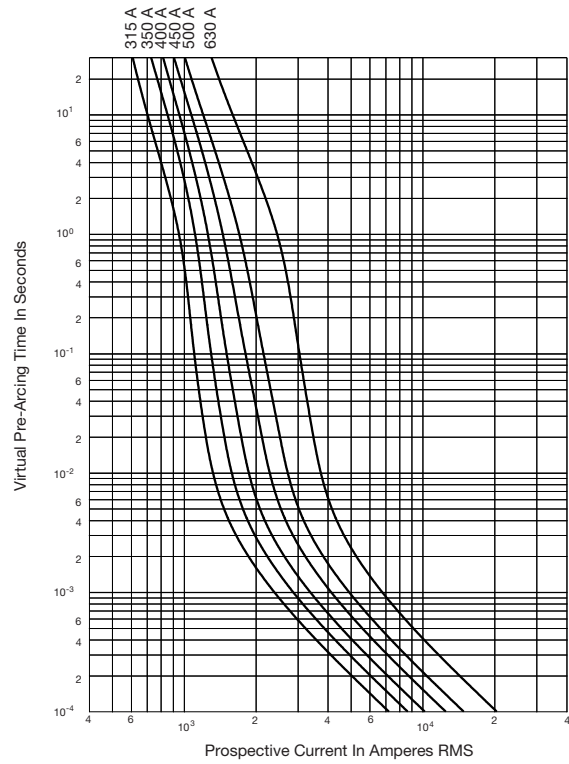
AS17B02 690V: 80-400A

Time-Current Curve

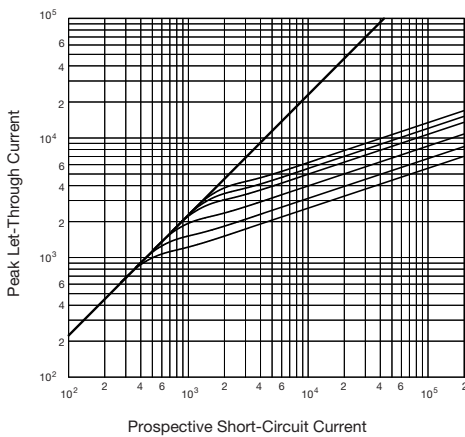


AS17B03 690V: 315-630A

Time-Current Curve



Peak Let-Through Curve



Peak Let-Through Curve

