

TYPE 'T-C'

HIGH VOLTAGE

HRC FUSE LINKS

1.2kV and 1.5kV

For Industrial and General Applications

Complying with BS2692 and BS88



Current and voltage ratings

Fuse type	Rating Amp	AC Voltage rating	DC Voltage rating
TAC	2, 4, 6, 10, 16, 20, 25, 32	1200	Certified to 660 also tested to 750
TSC	35, 50, 63		
TFC	80, 100, 125, 160, 200, 250*, 315*, 355*	1500	
TLC	400		
A04TLC	400, 450, 500, 560, 630, 750*		

To establish list number for ordering purposes combine
fuse type with current rating, i.e. TAC 32

* these ratings are
obtained by connecting
single body fuse links
in parallel as follows:

Rating Amp	Connect in Parallel
250	2 x 125A
315	2 x 160A
355	2 x 200A
750	2 x 400A

AC short-circuit performance

The range has been tested to BS2692 as follows:

TAC & TSC	63kA 1200V
TFC, TLC & A04TLC	63kA 1500V

DC short-circuit performance

The range is certified to BS88:Part 1 for voltage rating of 660V DC and in addition has been tested to a minimum of 750V DC.

I^2t and Cut-Off data available on request.

Characteristics

The time current characteristics shown on Page 4/4 relate to mean pre-arcing times and are accurate to within a manufacturing tolerance of $\pm 10\%$ related to current.

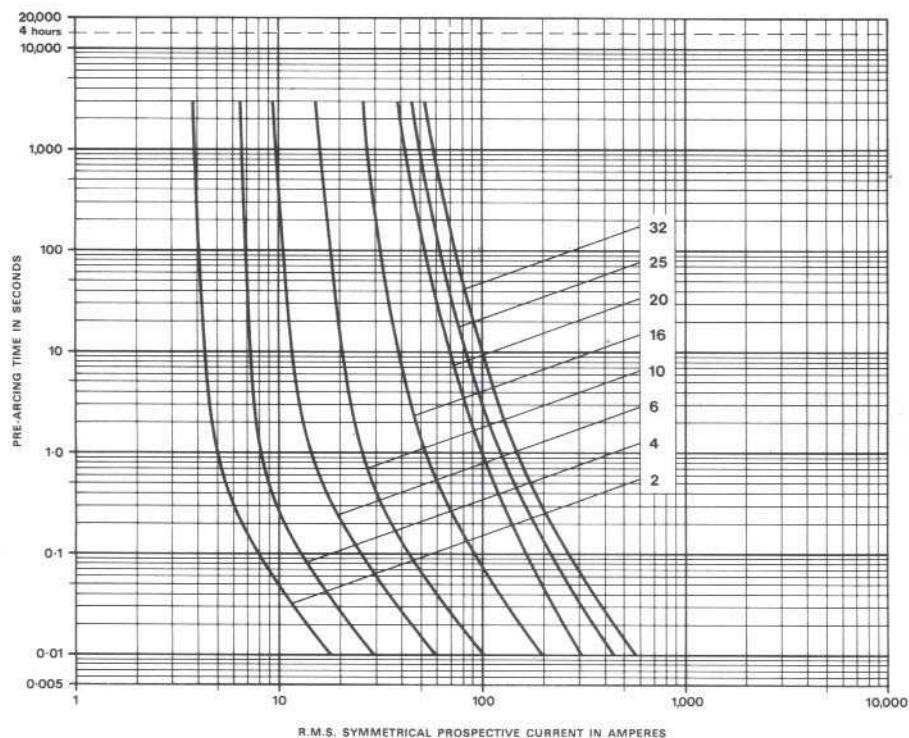
TC equivalents

Current List number	Superseded List number	Comments
TAC 2	TAC 2	Current TAC/TSC ranges provide equivalent fixing centres with closed end tags. If, however, open end versions are required, order as A05 TAC or A05 TSC.
TAC 4	TAC 4	
TAC 6	TAC 6	
TAC 10	TAC 10	
TAC 16	TAC 15	
TAC 20	TAC 20	
TAC 25	TAC 25	
TAC 32	TAC 30	
TSC 35	TSC 35	
TSC 50	TSC 50	
TSC 63	TSC 60	
TFC 80	TMC 80	The TFC range has a longer thinner body than the superseded TMC type. If identical fixing centres are required, order as A06 TFC.
TFC 100	TMC 100	
TFC 125	TMC 125	
TFC 160	TMC 160	
TFC 200	TLC 200	For identical fixing centres as TLC type. Order as A11 TFC for tags with closed slots or A10 TFC for type with open slots.
2 x TFC 125 (in parallel)	TLC 250	
2 x TFC 160 (in parallel)	TLC 300	
2 x TFC 200 (in parallel)	TLC 350	Single body A04 TLC range now replaces superseded 787 TLC range. For 750 Amps 2 fuses must be used in parallel.
A04 TLC 400	787 TLC 400	
A04 TLC 500	787 TLC 500	
A04 TLC 560	787 TLC 560	
A04 TLC 630	787 TLC 630	
2 x A04 TLC 400 (in parallel)	787 TLC 750	

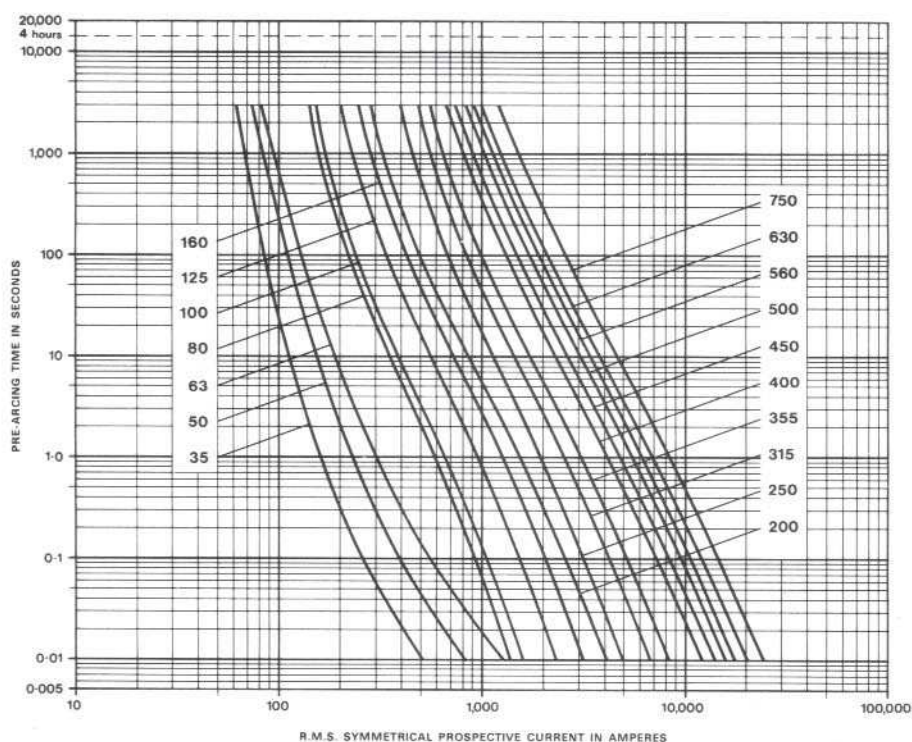
Characteristics

Type 'T-C' HRC Fuse Links

Type TAC Time Current Characteristics 2-32 Amp



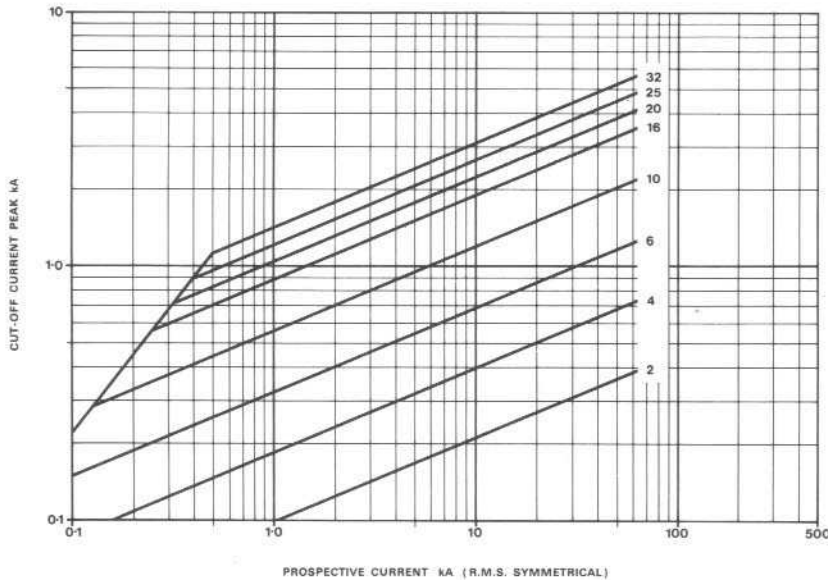
Types TSC, TFC, TLC & A04TLC Time Current Characteristics 35-750 Amp



Characteristics

Type 'T-C' HRC Fuse Links

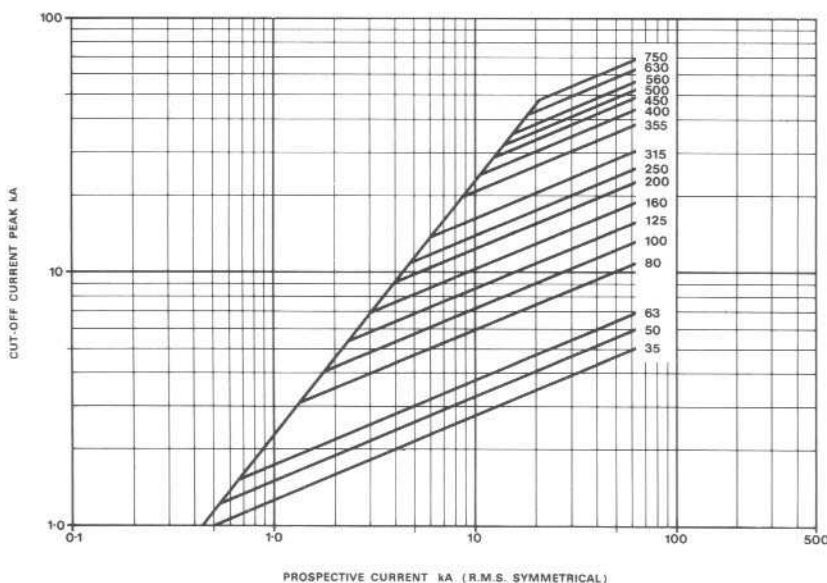
Type TAC Cut-off Current Characteristics 2-32 Amp



Types TAC & TSC I^2t Values 2-63 Amp

Current rating	Pre-arcing I^2t	Total I^2t
Amp	$A^2 \text{ sec} \times 10^{-3}$	$A^2 \text{ sec} \times 10^{-3}$
2	0.001	0.005
4	0.005	0.024
6	0.023	0.106
10	0.117	0.540
16	0.5	2.35
20	0.6	2.8
25	1.1	5.0
32	1.6	7.4
35	0.4	6.5
50	0.9	15.0
63	1.8	24.0

Types TSC, TFC, TLC & A04TLC Cut-off Current Characteristics 35-750 Amp



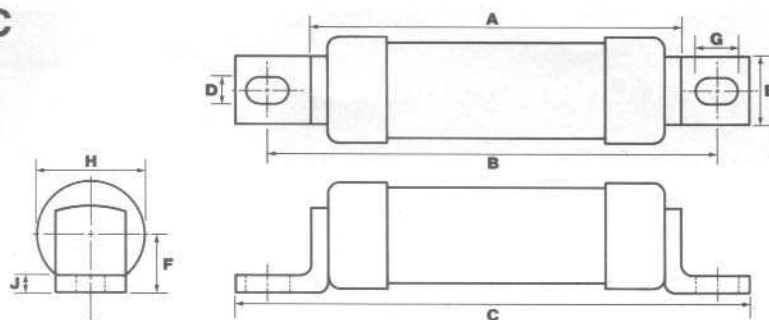
Types TFC, TLC & A04TLC I^2t Values 80-750 Amp

Current rating	Pre-arcing I^2t	Total I^2t
Amp	$A^2 \text{ sec} \times 10^{-3}$	$A^2 \text{ sec} \times 10^{-3}$
80	8.0	95
100	10.0	105
125	24.5	197
160	43.5	284
200	68.3	440
250 (2 x 125)	98.4	790
315 (2 x 160)	174	1136
355 (2 x 200)	350	2400
400	780	4300
450	1300	6600
500	1500	7400
560	1900	9000
630	2400	11000
750 (2 x 400)	3120	17200

Dimensions

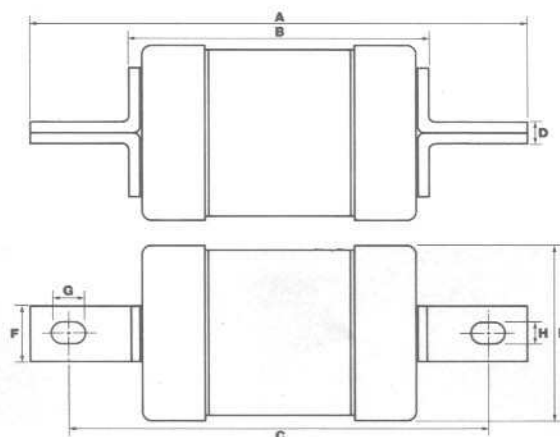
Type 'T-C' HRC Fuse Links

Types TAC, TSC & TFC



Fuse Type	Dimensions in millimetres								
	A	B	C	D	E	F	G	H	J
TAC	106.4	124.0	139.0	5.2	12.7	14.3	7.5	22.2	1.2
TSC	106.4	124.0	139.0	5.2	12.7	14.3	7.5	26.2	1.2
TFC	141.2	168.4	192.0	10.3	25.4	21.7	15.9	40.3	3.2

Type TLC



Fuse Type	Dimensions in millimetres							
	A	B	C	D	E	F	G	H
TLC	232	148	196.8	9.5	82.6	25.4	13.5	10.3

Indication of operation

Where indication is required, this can be achieved by the use of a GSL 2000 indicator fuse mounted in parallel with the main fuse. Mounting clips are detailed right.

Dimensions in millimetres

