

FUSEGEAR ELECTRIC



SEMI CONDUCTOR FUSES

BRITISH RANGES

TECHNICAL DATA				
Type Reference	Rated Voltage (in Volts)	Current rating (in Amps)	Power loss (in Watts)	Maximum Breaking capacity (kA rms)
SFA (SINGLE BODY)	240	5	1.4	100
	240	10	2.0	
	240	15	3.2	
	240	20	4.0	
SFC (SINGLE BODY)	300	25	4.2	100
	300	50	5.0	
	300	75	9.0	
	300	100	9.0	
	300	125	10.5	
	300	150	14.0	
	300	175	17.5	
SFE3 (SINGLE BODY)	300	125	14.0	100
	300	150	16.0	
	300	200	20.0	
	300	250	25.0	
	300	300	29.0	
SFG3 (DOUBLE BODY)	300	400	36.0	100
	300	500	42.0	
	300	600	50.0	
	300	700	58.0	
SFB (SINGLE BODY)	600	5	2.0	100
	600	10	3.0	
	600	15	4.0	
	600	20	5.0	
SFD (SINGLE BODY)	600	25	5.5	100
	600	45	8.5	
	600	50	10.0	
	600	75	11.5	
SFF (SINGLE BODY)	600	100	9.0	100
	600	150	15.0	
	600	200	20.0	
	600	250	25.0	
SFJ (SINGLE BODY)	600	16	4.3	100
	600	25	5.5	
	600	30	6.2	
	600	35	7.5	
	600	40	8.0	
	600	50	10.0	
SFJ (TWIN BODY)	600	75	13.0	100
	600	85	13.5	
	600	110	16.0	
	600	150	20.0	
SFH (DOUBLE BODY)	600	175	20.0	100
	600	200	21.5	
	600	235	23.0	
	600	275	25.0	
	600	300	30.0	
	600	325	33.0	
	600	350	37.0	
	600	400	40.0	
	600	450	46.0	
	600	500	50.0	



OVERALL DIMENSIONS OF FUSE - BRITISH RANGES

	TYPE	RATING AMPS	A	B	D	G
<p>SINGLE BODY</p>	SFA	5 to 20	28 ±1.0	8.2	46 ±1.0	38 ±0.5
	SFB	5 to 20	54 ±1.0	8.2	74 ±1.0	64.3 ±0.5
	SFC & SIFC	25 to 175	29 ±1.0	17.5	58 ±1.0	41.8 ±0.5
	SFD & SIFD	25 to 75	50 ±1.0	17.5	78.5 ±1.0	63.5 ±0.5
	SFE3 & SIFE3	150, 200, 250, 300, 350	31.5 ±1.0	38.5	84 ±1.0	59 ±1.0
	SFF & SIFF	100, 150 200, 250	59 ±1.0	38.5	113 ±1.0	83 ±1.0
	SFJ & SIFJ	15 to 55	50 ±1.0	17.5	78 ±1.0	63 ±1.0
<p>DOUBLE BODY</p>	SFG3 & SIFG3	400 500 600 700	32.5 ±1.0	38.5	84 ±1.0	59 ±1.0
	SFH & SIFH	175 200 225 235 275 300 325 350 400 450 500	59 ±1.0	38.5	113 ±1.0	83 ±1.0
<p>TWIN BODY</p>	SFJ & SIFJ	75 To 150	47 ±1.0	36	94 ±1.0	70 ±0.5
<p>TRIP INDICATOR FUSE</p> <p>Spring loaded indicator released when fuse operates for operating auxiliary equipment</p>	SF 400	300 V	47 ±1.0	0.8	5.6	7.9
	SF 500	1000 V	61 ±1.0	0.8	5.6	7.9



Technical Particulars - BRITISH RANGES

Pre Arcing I^2t for different ratings of fuses

Fuse Type reference	Current rating (amps)	Prearcing I^2t (Minimum)	Total I^2t (Maximum)	Fuse Type reference	Current rating (amps)	Prearcing I^2t (Minimum)	Total I^2t (Maximum)	
SFA	5	1.5	8	SFD	25	51	280	
	10	5.0	28		45	110	605	
	15	10.5	58		50	185	1020	
	20	26.0	138		75	520	2860	
SFC	25	140	770	SFJ	16	13	75	
	50	250	1370		25	25	140	
	75	540	2970		30	42	230	
	100	700	3870		35	58	320	
	125	1150	5770		40	84	460	
	150	2600	19270		45	110	610	
	175	5040	27720		50	180	990	
SFE 3	150	3300	18150		55	260	1930	
	200	7500	41250		75	480	2690	
	250	11,300	62150		85	600	3300	
	300	14,670	80680		110	770	4230	
	350	18,600	102300		150	1850	10180	
SFG3	400	18,000	99000		SFH	175	1600	8800
	500	36,000	198000			200	2500	13750
	600	42,000	231000			225	2800	15400
	700	70,000	385000	235		3700	20350	
SFB	5	1.8	10	275		5100	28500	
	10	6.0	35	300		6900	38000	
	15	13.0	75	350		11,000	60500	
	20	30.0	165	400		14,400	79200	
				450		33,000	181500	
			500	54,000		297000		

SIFC, SIFD, SIFE3, SIFF, SIFG3, SIFH and SIFJ are with indicator
 As efforts are made constantly to improve both designs and method of
 manufacture, equipment supplied may differ in details from the illustrations.

NORTH AMERICAN RANGES

North American Standard range are available having both a.c. and d.c. voltage rating of 130, 250, 500 and 700V. Supplementary ranges are available for replacement purposes and for special applications, e.g. higher current ratings. The FA-F ranges at 500V and 700V are market leaders with state-of-the-art designs having exceptionally low values of I²t let-through coupled with the ability to carry full rated current continuously.

LIST OF RATINGS

250V		500V		700V	
TYPE	RATING AMPS	TYPE	RATING AMPS	TYPE	RATING AMPS
FA25X	5	FA50F	5	FA70F	5
FA25X	10	FA50F	10	FA70F	10
FA25X	15	FA50F	15	FA70F	15
FA25X	20	FA50F	20	FA70F	20
FA25X	25	FA50F	25	FA70F	25
FA25X	30	FA50F	30	FA70F	25
				FA70F	30
FA25X	40	FA50F	35		
FA25X	50	FA50F	40	FA70F	35
FA25X	60	FA50F	45	FA70F	40
		FA50F	50	FA70F	50
FA25X	70	FA50F	60	FA70F	60
FA25X	80	FA50F	70		
FA25X	100	FA50F	80	FA70F	70
FA25X	125	FA50F	90	FA70F	80
FA25X	150	FA50F	100	FA70F	90
FA25X	175			FA70F	100
FA25X	200	FA50F	125		
		FA50F	150		
FA25X	225	FA50F	175	FA70F	125
FA25X	250	FA50F	200	FA70F	150
FA25X	300			FA70F	175
FA25X	350	FA50F	250	FA70F	200
FA25X	400	FA50F	300		
FA25X	450	FA50F	350	FA70F	250
FA25X	500	FA50F	400	FA70F	300
FA25X	600	FA50F	450	FA70F	350
FA25X	700	FA50F	500	FA70F	400
FA25X	800	FA50F	550		
		FA50F	600	FA70F	500
				FA70F	600
HOCKEY-PUCK TYPE		FA50F	700		
FA13X-HP	1000	FA50F	800	FA70F	700
FA13X-HP	1200			FA70F	800
FA13X-HP	1500	FA50F	1000	FA70F	900
FA13X-HP	1600	FA50F	1200	FA70F	1000
FA13X-HP	2000	FA50F	1400	FA70F	1000
FA13X-HP	2500	FA50F	1600	FA70F	1200

Also available in other ranges. Technical details on request



DIN DIMENSIONED RANGES

The Super Fast range of fuselinks is designed to meet the requirements of IEC 269 Part 4 and VDE 0636 Part 23. Dimensions are in compliance with DIN 43653, or with Continental European practice.

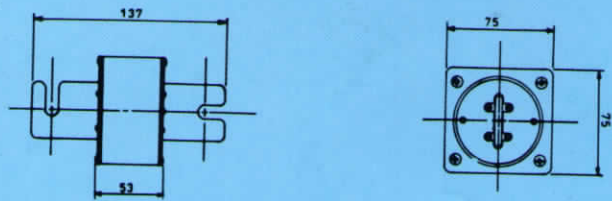
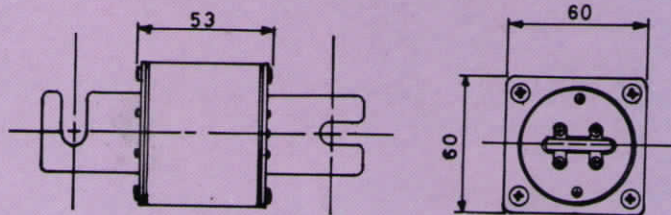
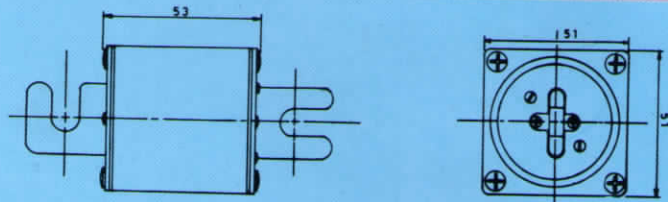
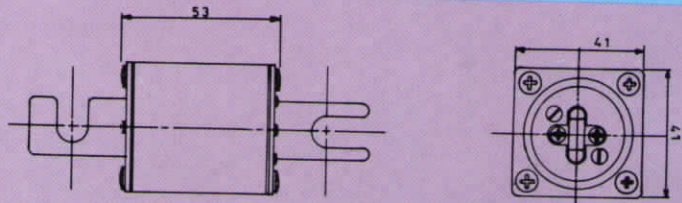
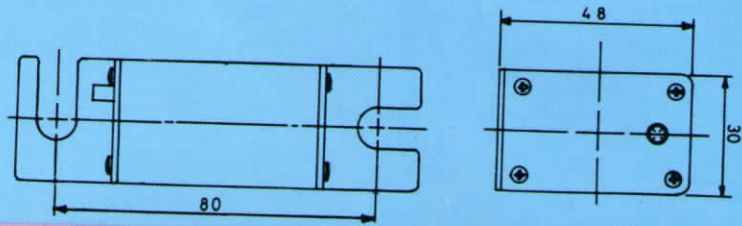
600/ 800 / 1000V SUPER FAST RANGE

The Super Fast range is of the latest Super-fast design having exceptionally low values of I_{2t} let-through.

The voltage ratings are 660V a.c. and 320 / 420 / 520V d.c.

Current ratings up to 1250A are covered in five popular body sizes:

SIZE	RATING
00	Up to 315A
0	Up to 400A
1	Up to 400A
2	Up to 950A
3	Up to 1250A



Technical details on request

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