

HV INDUSTRIAL FUSES & FITTINGS CONTENTS



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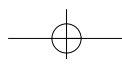


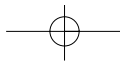
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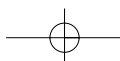


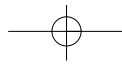
HV INDUSTRIAL FUSES AND ACCESSORIES

Fuse selection charts

Type	General Purpose Oil Submersed	Capacitor Protection	General Purpose Distribution system protection							Motor Starting					
			12kV	12kV	1.2kV	1.5kV	3.3kV	7.2kV	12kV	24kV	36kV	1.2kV	1.5kV	3.3kV	7.2kV
TAC			*								*				
TSC			*								*				
TFC				*								*			
TLC				*								*			
DIN BLADE			*												
KEBX	*														
KEMX	*														
K3PGX					*								*		
K4PHX					*								*		
K81PEX					*								*		
K81PRX					*								*		
K82PFX					*								*		
K81SDX						*								*	
K81SVX						*								*	
K81SRX						*								*	
K82SSX						*								*	
K81EAX							*								*
K81ERX							*								*
H2CAS		*					*								
H3CAS		*					*								
FDW						*	*	*	*						
FDWT						*	*	*	*						

Transformer Power in kVA	Service Voltage	6/6.6	10/11	12	12	20/22	30/33
	in kV	FDw 7.2	FDw 12	KEBX	KEMX	FDw 24	FDw 36
25	25	6.3	6.3	5	-	6.3	6.3
50	50	10	6.3	10	-	6.3	6.3
63	63	16	10	10	-	6.3	6.3
80	80	16	10	10	-	6.3	6.3
100	100	16-25	16	16	-	6.3-10	6.3
125	125	25	16	20	-	10	6.3-10
160	160	31.5	25	20	-	10-16	6.3-10
200	200	31.5-40	25	25	-	16	10-16
250	250	40-50	31.5	36	-	16	10-16
315	315	50-63	31.5-40	36	-	25	16-25
400	400	63-80	40-50	40	-	25	16-25
500	500	80-100	50-63	45	-	31.5	25
630	630	100-125	63-80	63	63	31.5-40	25-31.5
800	800	125-160	80-100	80	80	40-63	31.5-40
1000	1000	160	100-125	-	90	50-63	31.5-40
1250	1250	200	125	-	100	63	40
1600	1600	250	125	-	120	80	50
2000	2000	250*	160*	-	-	100	-
2500	2500	-	-	-	-	100	-





HV INDUSTRIAL FUSES AND FITTINGS

3.6kV Bolt-in fuses

Standard	Ratings	Style
BS2692	5 - 630A	3.6kV Bolt-in

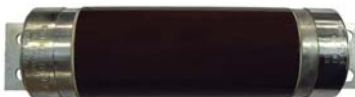
Applications:
 Motor circuit protection
 For general applications

Catalogue Reference:
 GE HV Motor Fuses
 GE HV BS Fuses Part 1



K4PHX fuse

Rating A	Part Number	AC rating V/kA	Min. Breaking Current (A)	Fixing Centres	Body Length	Diameter mm
Off-set tag Single hole fixing						
5	K3PGX5		8			
10	K3PGX10		17			
16	K3PGX16		32			
20	K3PGX20		39			
25	K3PGX25	3.6kV/40kA	60	235mm	191mm	53mm
32	K3PGX32		70			
40	K3PGX40		95			
50	K3PGX50		120			
63	K3PGX63		140			
80	K3PGX80		170			
100	K3PGX100		220			
125	K4PHX125		250			
160	K4PHX160	3.6kV/40kA	310	235mm	191mm	80mm
200	K4PHX200		405			



K81PEX fuse

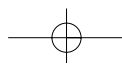
Off-set tag Double hole fixing						
100	K81PEX100		315			
125	K81PEX125		370			
160	K81PEX160		370			
200	K81PEX200	3.6kV/40kA	590	305mm	254mm	80mm
250	K81PEX250		710			
315	K81PEX315		710			
350	K81PEX350		710			
450	K81PRX450	3.6kV/40kA	1000	305mm	254mm	80mm

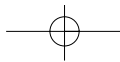
Twin body, centre tag, double hole fixing						
630	K82PFX630	3.6kV/40kA	1400	305mm	254mm	80*162mm

All models include a pyrotechnic striker pin



Authorised Distributor





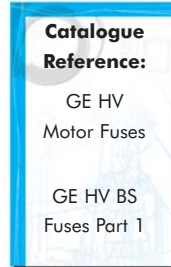
HV INDUSTRIAL FUSES AND FITTINGS

7.2kV Bolt-in fuses

Standard	Ratings	Style
BS2692	50 - 630A	7.2kV Bolt-in

Applications:

Motor circuit protection
For general applications



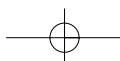
K81SDX fuse

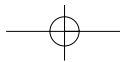
Rating A	Part Number	AC rating V/kA	Min. Breaking Current (A)	Fixing Centres	Body Length	Diameter mm
Off-set tag Double hole fixing						
50	K81SDX50		220			
63	K81SDX63		260			
80	K81SDX80		310			
100	K81SDX100		310			
125	K81SDX125		380			
160	K81SDX160	7.2kV/45kA	380	454mm	403mm	80mm
200	K81SDX200		430			
225	K81SDX225		505			
250	K81SDX250		600			
280	K81SDX280		680			
315	K81SDX315		870			
Off-set tag Centre tag double hole fixing						
50	K81SVX50		200			
63	K81SVX63		350			
80	K81SVX80		350			
100	K81SVX100	7.2kV/45kA	250	553mm	502mm	80mm
125	K81SVX125		450			
160	K81SVX160		500			
200	K81SVX200		760			
250	K81SVX250		650			
Off-set tag Centre tag double hole fixing						
315	K81SRX315	7.2kV/45kA	760	553mm	502mm	82mm
350	K81SRX350		950			
Twin body, centre tag, double hole fixing						
400	K82SSX400		1200			80*162mm
500	K82SSX500	7.2kV/45kA	1400	553mm	502	82*166mm
630	K82SSX630		1700			82*166mm

All models include a pyrotechnic striker pin



Authorised Distributor





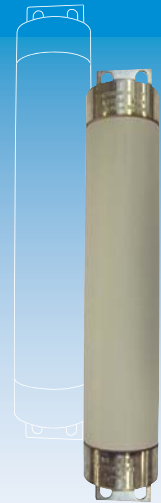
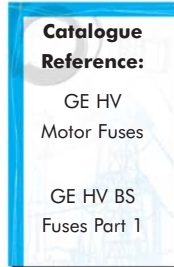
HV INDUSTRIAL FUSES AND FITTINGS

12kV Bolt-in fuses

Standard	Ratings	Style
BS2692	32 - 350A	12kV Bolt-in

Applications:

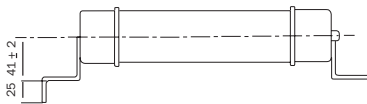
- For General applications
- Motor circuit protection (K81)
- For capacitor applications (H2/H3)



K81EAX fuse

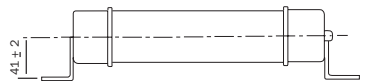
Rating A	Part Number	AC rating V/kA	Min. Breaking Current (A)	Fixing Centres	Body Length	Diameter mm
Off-set tag Double hole fixing						
32	K81EAX32		160			
63	K81EAX63	12kV/20kA	160	410mm	368mm	80mm
100	K81EAX100		260			
125	K81EAX125		380			
Off-set tag Single hole fixing						
160	K81ERX160		430			
200	K81ERX200	12kV/56kA	670	883mm	832mm	82mm
315	K81ERX315		860			
350	K81ERX350		1000			

All models include a pyrotechnic striker pin



H2CAS fuse

Rating A	Part Number	AC rating V/kA	Min. Breaking Current (A)	Fixing Centres	Body Length	Diameter mm
Off-set tag Double hole fixing						
5 - 100	H2CAS...	12kV/36kA	see table	419mm	360mm	63mm



H3CAS fuse

Rating A	Part Number	AC rating V/kA	Min. Breaking Current (A)	Fixing Centres	Body Length	Diameter mm
Off-set tag Single hole fixing						
5 - 71	H3CAS...	12kV/36kA	see table	413mm	360mm	63mm

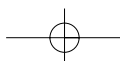
H2CAS/H3CAS Current ratings & Minimum breaking currents

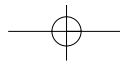
Current Ratings A	Minimum Breaking Current
5	12.5
6.3	18
10	27
16	34
20	48
25	60
31	95
36	95
40	105

Current Ratings A	Minimum Breaking Current
45	120
50	145
56	165
63	170
71	195
80	240
90	255
100	300



Authorised Distributor





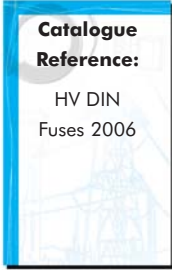
HV INDUSTRIAL FUSES AND FITTINGS

DIN type HV fuse links

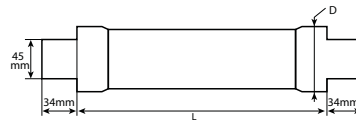
Standard	Ratings	Style
DIN 43625	6 - 160A	Clip in

Applications:

- Transformer protection
- Motor circuit protection
- Indoor & Outdoor substations



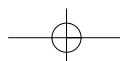
FDW DIN fuse

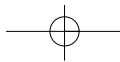


AC Rating V/kA	Current Rating A	Part Number	Min. Breaking Current A	Power Dissipation W	Cannister Length L mm	Body Diameter D mm
7.2kV/63kA	6.3	FDW7.2-6-2-6	28	6.0	292mm	63mm
	10	FDW7.2-10-2-6	45	9.0		
	16	FDW7.2-16-2-6	64	12.8		
	25	FDW7.2-25-2-6	100	21.0		
	31.5	FDW7.2-32-2-6	126	25.0		
	40	FDW7.2-40-2-6	160	33.0		
	50	FDW7.2-50-2-6	200	37.0		
	63	FDW7.2-63-2-6	252	46.0		
	80	FDW7.2-80-2-6	320	63.0		
	100	FDW7.2-100-2-6	400	70.0		
7.2kV/40kA	100	FDW7.2-100-4-6	400	76.0	442mm	88mm
	125	FDW7.2-125-4-8	500	107.0		
	160	FDW7.2-160-4-8	640	146.0		
	<hr/>					
12kV/31.5kA	6.3	FDW12-6-2-6	31.5	11	292mm	63mm
	10	FDW12-10-2-6	45	15		
	16	FDW12-16-2-6	64	22.4		
	25	FDW12-25-2-6	100	37		
	31.5	FDW12-32-2-6	126	46		
	40	FDW12-40-2-6	160	62		
	50	FDW12-50-2-6	200	70		
	63	FDW12-63-2-6	252	87		
	80	FDW12-80-2-8	320	81		
	100	FDW12-100-2-8	400	100		
	125	FDW12-125-2-8	500	147		
	12kV/31.5kA	100	FDW12-100-4-8	400		
125		FDW12-125-4-8	500	130		
160		FDW12-160-4-8	640	170		

- FDW fuses are back-up type fuses. Back-up fuses offer protection for short circuit type faults.
- FDWT fuses are available, these fuses include a "thermal striker" that provides additional overload protection.

* All models include a striker pin





HV INDUSTRIAL FUSES AND FITTINGS

DIN type HV fuse links

Standard	Ratings	Style
DIN 43625	6 - 100A	Clip in

Applications:

Transformer protection
 Motor circuit protection
 Indoor & Outdoor substations



FDW DIN fuse

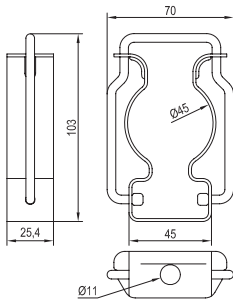
Catalogue Reference:
 HV DIN
 Fuses 2006

 Ferraz
 Advisor 2005
 FG282



AC Rating V/kA	Current Rating A	Part Number	Min. Breaking Current A	Power Dissipation W	Cannister Length L mm	Body Diameter D mm
24kV/25kA	6.3	FDW24-6-4-6	32	23	442mm	63mm
	10	FDW24-10-4-6	50	33		
	16	FDW24-16-4-6	80	49		
	25	FDW24-25-4-6	125	84		
	31.5	FDW24-32-4-6	158	107		
	40	FDW24-40-4-6	200	145		
	50	FDW24-50-4-6	250	130	88mm	
	63	FDW24-63-4-6	315	155		
	80	FDW24-80-4-8	360	185		
	100	FDW24-100-4-8	450	234		

* All models include a striker pin



HVDC



Indoor DIN fuse base

Part Number	Description
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DIN FUSE CLIPS

HVDC	Standard HV DIN fuse clip. 2 required per fuse.
HVDC2	Heavy duty HV DIN fuse clip. 2 required per fuse.

DIN FUSE BASES (Indoor)

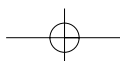
G209421	DIN fuse base for 192mm body fuses (7.2kV)
H209422	DIN fuse base for 292mm body fuses (12kV)
K209424	DIN fuse base for 442mm body fuses (24kV)

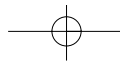
DIN FUSE BASES (Outdoor)

S210328	DIN fuse base for 292mm body fuses (12kV)
V210330	DIN fuse base for 442mm body fuses (24kV)

FUSE BLOWN INDICATOR

F092856	Mechanical fuse blown indication device for fuse bases 2 x NO/NC
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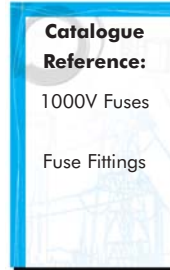
HV INDUSTRIAL FUSES AND FITTINGS

1200V Fuses & Bases

Standard	Ratings	Style
BS88	2 - 400A	Bolt-in

Applications:

1000v fault current limiters
Mining & Petrochemical installations



RSL63H



TAC fuse

Rating A	Part Number	AC Rating	DC Rating	Body Size H*W*D	Maximum Cable size	Associated Links
63A	RSL63H	1200v	750v	162*41*79	50mm	TAC/TSC
	RSL63P					

H = Front wire, PH = 1 rear stud + front wire, P = 2 rear studs

Rating A	Part Number	AC rating V/kA	DC rating V/kA	Fixing Centres	Diameter mm	Holder
Offset tag type fuse links						
2	TAC2					
4	TAC4					
6	TAC6					
10	TAC10					
16	TAC16	1200/63	660/50	124mm	22.2	RSL63
20	TAC20					
25	TAC25					
32	TAC32					
35	TSC35					
50	TSC50				26.2	
63	TSC63					
80	TFC80					
100	TFC100					
125	TFC125	1500/63	660/50	168mm	40.3	-
160	TFC160					
200	TFC200					

Centre tag type fuse link

400	TLC400	1500/63	660/50	199mm	82.6	-
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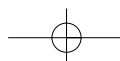
All fuse in this range have been tested to 750V dc

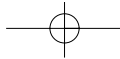
To achieve larger fuse ratings, connect fuses in parallel as per the table

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



Authorised Distributor





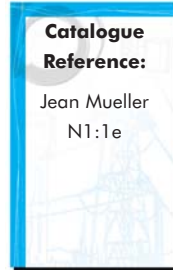
HV INDUSTRIAL FUSES AND FITTINGS

1200V Fuses & Bases

Standard	Ratings	Style
IEC269	6 - 500A	DIN Blade

Applications:

1200v fault current limiters
Mining & Petrochemical installations

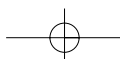


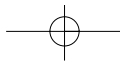
M3gL315/1200V + Base + Shrouds

DIN Size	Rating A	Part Number	AC rating V/kA	DC rating V/kA	Holder
1200v DIN fuse links					
1	6	M1gL6/1200V	1200/25	800/25	U1-1/1200
	10	M1gL10/1200V			
	16	M1gL16/1200V			
	20	M1gL20/1200V			
	25	M1gL25/1200V			
	32	M1gL32/1200V			
	35	M1gL35/1200V			
	40	M1gL40/1200V			
	50	M1gL50/1200V			
	63	M1gL63/1200V			
	80	M1gL80/1200V			
	100	M1gL100/1200V			
	125	M1gL125/1200V			
2	160	M2gL160/1200V	1200/25	800/25	U2-1/1200
	200	M2gL200/1200V			
	250	M2gL250/1200V			
	315	M2gL315/1200V			
	315	M2gL315/1200V			
3	250	M3gL250/1200V	1200/25	800/25	U3-1/1200
	315	M3gL315/1200V			
	400	M3gL400/1200V			
	500	M3gL500/1200V			

For fuse Size	Current Rating A	Part Number	Total Length mm	Base Width mm	Fixing Bolts
1200V Open type DIN fuse base					
1	250	U1-1/1200	257	50	M10
2	400	U2-1/1200	287	50	M12
3	630	U3-1/1200	308	68	M16

Shrouds to suit bases		
1	250	H-U1IGZ
2	400	H-U2IGZ
3	630	H-U3IGZ





HV INDUSTRIAL FUSES AND FITTINGS

Ferrule VT fuses

Standard	Ratings	Style
IEC282 & UL	0.62 - 3.15A	Clip in

Applications:

- Voltage Transformer protection
- Instrument Transformer protection



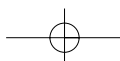
Ferrule VT fuse

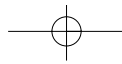
AC Rating kV	Current Rating A	Part Number	Body Length mm	Body Diameter mm	Mounting Clip Type
For use in Air					
1.5	1	A093426	85	10	B098004
1.5	6.3	Z093655	85	10	B098004
1.5	10	B093657	85	10	B098004
<hr/>					
3.3	3	AIR3.3/3	144	22	V3284..
<hr/>					
6.6	1	AIR6.6/1	144	22	V3284..
6.6	3	VTF6.6/3	143	25	CLIP VTF..
7.2	0.63	V077850	190	20	H099988
7.2	1	W077851	190	20	H099988
7.2	2	Y077853	190	20	H099988
7.2	3.15	Z077854	190	20	H099988
<hr/>					
11	0.5	VTF11/0.5	194	25	CLIP VTF..
11	1	VTF11/1	194	25	CLIP VTF..
11	2	VTF11/2	194	25	CLIP VTF..
11	3	VTF11/3	194	25	CLIP VTF..
12	1	C081100	195	20	H099988
12	0.63	L076807	254	20	H099988
12	1	M076808	254	20	H099988
12	2	P076810	254	20	H099988
12	3.15	Q076811	254	20	H099988
<hr/>					
15	1	V097814	254	20	H099988
15	2	W097815	254	20	H099988
15	3.15	H220025	254	20	H099988
15	3	VTF15/3	254	25	CLIP VTF..
<hr/>					
24	0.63	N078235	340	20	H099988
<hr/>					
For use in OIL					
6.6	0.62	OIR6.6/0.62	146	22	V3284..
6.6	3	OIR6.6/3	196	22	V3284..
11	0.62	OIR11/0.62	196	22	V3284..
<hr/>					
North American types					
2.4	1/2E - 5E	A240T...E	117	20.6	C08917P
4.8	1/2E - 5E	A480T...E	143	20.6	C08917P
5	1/2E - 5E	A500T...E-1	143	25	CLIP VTF..
7.2	1E - 2E	A720T...E-1	241	20.6	C08917P

Mounting Clips on next page



Authorised Distributor





HV INDUSTRIAL FUSES AND ACCESSORIES

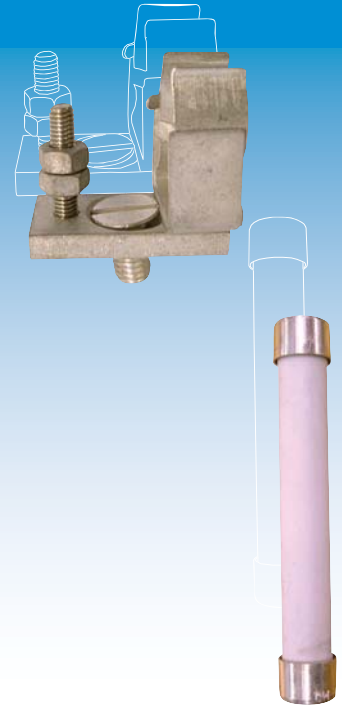
VT Fuse Clips

Standard IEC/BS/UL	Ratings -	Style Clip in
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Applications:
For ferrule fuse links

Catalogue Reference:
VTF Fuses

Ferraz
Advisor



MR10



MR36



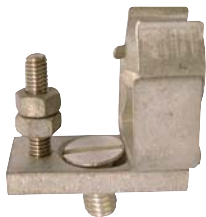
**MR14
MR20.6**



V3284/1



V3284/2

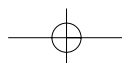


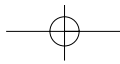
CLIPVTF F/C



CLIPVTF B/C

Fuse Diameter	Part Number	Description
10mm	B098004	MR10 Clip with tag for 10mm diameter fuses
10mm	C098994	MR10 Clip without tag for 10mm diameter fuses
14mm	G098170	MR14 Clip with tag for 14mm diameter fuses
20mm	H099988	MR20.6 clip & stirrup for 20mm diameter fuse links
20mm	C08917P	Clip for North American VT fuses
22mm	V3284/1	Clip for 22mm diameter fuse links (2 req' per fuse)
22mm	V3284/2	Stirrup for 22mm diameter fuse links (2 req' per fuse)
22mm	K098909	MR22 Clip with tag for 22mm diameter fuses
Note: For 22mm fuse links, 2 of each V3284/1 & V3284/2 are required		
25.4mm	CLIP VTF B/C	Back connect clip & tag for 25mm diameter fuse links
25.4mm	CLIP CTV F/C	Front connect clip & tag for 25mm diameter fuse links
27mm	Y092734	MR27 Clip with tag for 27mm diameter fuses
36mm	M091275	MR36 Clip with tag for 36mm diameter fuses
76mm	228-700-530	Clips for E and R rated North American ferrule fuses (1 pair)





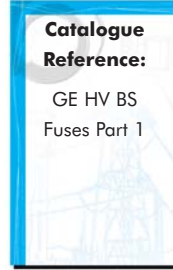
HV INDUSTRIAL FUSES AND FITTINGS

12kV Fuses for use in Oil

Standard	Ratings	Style
BS2692	5 - 120A	12kV Ferrule

Applications:

For 12kV Distribution circuits
For use under oil



KEBXO fuse

Rating A	Part Number	AC rating V/kA	Min. Breaking Current (A)	Length mm	Diameter mm
5	KEBX05	12kV/20	12.5	254mm	63.5mm
10	KEBX010		27		
16	KEBX016		34		
20	KEBX020		48		
25	KEBX025		60		
36	KEBX036		95		
40	KEBX040		115		
45	KEBX045		130		
50	KEBX050		155		
63	KEBX063		195		
80	KEBX080	240			

5	KEMX05	12kV/20	12.5	359mm	63.5mm
10	KEMX010		27		
16	KEMX016		34		
20	KEMX020		48		
25	KEMX025		60		
36	KEMX036		95		
40	KEMX040		105		
45	KEMX045		120		
50	KEMX050		145		
56	KEMX056		165		
63	KEMX063	170			
80	KEMX080	200			
90	KEMX090	240			
100	KEMX0100	12kV/40	255		
120	KEMX0120		300		

Note: Fuses rated at 12kV/20kA have also been tested to 7.2kV/40kA

Both models include pyrotechnic striker pin



Authorised Distributor

