ipd INDUSTRIAL PRODUCTS

Fuse Selection and Comparison Chart from IPD

Clip in Safeclip Fuse links

For industrial & distribution applications. Complies with BS88-1&6, AS60269.

Rating A	IPD	Bussmann	Federal	MEM	PDL/Nilsen	Overall length
2 to 20	**NS_**	NSD_	20C_	_SN2	N20C_	
10M16	**NS10M16**					
16M20	**NS16M20**					
20M25	**NS20M25**	NSD20M25	20C25MS	20SN2M25	N20C25MS	62mm Max
20M32	**NS20M32**	NSD20M32	20C32MS	20SN2M32	N20C32MS	
32M40	**NS32M40**	NSD32M40			N32CM40MS	
40,50&63	**ES_**	ESD_			N63E_	
63M80	**ES63M80**	ESD63M80				

Safeclip LV Fuse Fittings

For industrial & general applications. Complies with BS88-1&6, AS60269.

Rating A	Connection	IPD	Bussmann	Federal	MEM	SIEMENS
20	Front wired	**SC20H**	32NNSF	NC32FW	V20FF	3NW B32NNSF
32	Front wired	**SC32H**	32NNSF	NC32FW	V32FF	3NW B32NNSF
32	Back wired	**SC32BW**	32NNSR	NC32BW	V32EE	3NW B32NNSR
32	Back stud(2)	**SC32P**	32NNSBS	NC32TS	V32BB	3NW B32NNSB
32	Busbar/Front	**SC32BHA**		NC32BB		
63	Front wired	**SC63H-D**	63ENSF		V63FF	

Bolt in Type T LV Fuse Links

For industrial & distribution applications. Complies with BS88-1&2, AS60269.

Rating A	IPD	Bussmann	Federal	MEM	PDL/Nilsen	Fixing centres
Off set Tags						
2 to 32	**NIT_L**	NITD_	20B_	_SA2	N20B_	44.50
2 to 32	**TIA_L**	AAO_	32B_	_SB3	N32B_	73.00
35,40,50&63	**TIS_L**	BAO_	63B_	_SB4	N63B_	73.00
80&100	**OS_**	OSD_		_SO		73.00
80&100	**TCP_L**	CEO_	100B_	_SD5	N100B_	94.00
125,160&200	**TFP_**	DEO_		_SD6	N200B_	94.00
Centre Tags						
40,50&63	**TB_**	BC_		_SE4	N40TB_C	96.80
6 to 63	**TBC_**	AD_		_SF3/_SF4	N63B_C	111.00
80&100	**TC_L**	CD_	100B_C	_SF5	N100B_C	111.00
125,160&200	**TF_L**	DD_	200B_C	_SF6	N200B_C	111.00
250&315	**TKF_L**	ED_	315B_C	_SF7	N315B_C	111.00
250&315	**TKM_**	EFS_	315B_C	_SG7	N315BS_C	133.00
355&400	**TMF_**	ED_	400B_C	_SF8	N400B_C	111.00
355&400	**TM_L**	EF_	404B_C	_SH8	N404B_C	133/184
450,500,560&630	**TTM_L**	FF_	504B_C	_SH9	N504B_C	133/184
450,500,560&630	**TT_**	FG_		_SY9	N630B_C	165/229
670,710,750&800	**TLM_L**	GF_	804B_C	_SH10	N804B_C	133/184
670,710,750&800	**TLT_**	GG_		_SY10	N805B_C	165/229

L = 415V; for 550V/660V delete L

Motor Rated Fuse Links

Rating A	IPD	Bussmann	Federal	MEM	PDL/Nilsen	Fixing centres
20M25 & 20M32	**NIT20M_**	NITD20M_	20B_MS	20SA2M_	N20B_MS	44.50
32M35, 40, 50 & 63	**TIA32M_L**	AAO32M_	32B_MS	32SB3M_	N32B_MS	73.00
63M80 & 100	**TIS63M_**	BAO63M_	63B_MS	63SB4M_	N63B_MS	73.00
100M125 & 160	**TCP100M_**	CEO100M_	100B_MS	100SD5M_	100B_MS	94.00
100M200	**TCP100M200**			100SD5M200		94.00
200M250 & 315	**TF200M_**	DD200M_	200B_CMS	200SF6M_	N200B_CMS	111.00
315M355	**TKF315M355**	ED315M400		315SF7M400	N315B400CMS	111.00
400M450	**TM400M450**	EF400M500			N400B450CMS	133/184
400M450	**TMF400M450**	ED400M500			N404B450CMS	111.00

RS LV Fuse Fittings

For industrial & general applications. Complies with BS88-1&2, AS60269.

Rating A	Connection	Fuse link ref	IPD	Bussmann	Federal	MEM	SIEMENS
20	Front wired	NIT	**RS20H**	CM32FC	FB20FW	20MFB	3NW CM20/32C
20	Back stud(2)		**RS20P**	Above + 2*32BS	FB20TS	20MFC	Above +2 3nw20bs
20	Back/Front		**RS20PH**	Above + 1*32BS	FB20SF	20MFD	Above +1 3nw20bs
20	Back wired		**RS20BW**	-			
32	Front wired	TIA	**RS32H**	CM32F	FB32FW	32MFB	3NWCM32F
32	Back stud(2)		**RS32P**	Above + 2*32BS	FB32TS	32MFC	Above +2 3nw32bs
32	Back/Front		**RS32PH**	Above + 1*32BS	FB32SB	32MFD	Above +1 3nw32bs
32	Back wired		**RS32BW**	32AR	FB32BW		
63	Front wired	TIS	**RS63H**	CM63F	FB63FW	63MFB	3NWCM63F
63	Back stud(2)		**RS63P**	Above + 2*63/100BS	FB63TS	63MFC	Above +2 3nw63/100bs
63	Back/Front		**RS63PH**	Above + 1*63/100BS	FB63SB	63MFD	Above +1 3nw63/100bs
63	Back wired		**RS63BW**	63BR	FB63BW		
100	Front wired	TCP	**RS100H**	CM100F	FB100FW	100MFB	3NWCM100F
100	Back stud(2)		**RS100P**	Above + 2*63/100BS	FB100TS	100MFC	Above +2 3nw63/100bs
100	Back/Front		**RS100PH**	Above + 1*63/100BS	FB100SB	100MFD	Above +1 3nw63/100bs
100	Back wired		**RS100BW**	100CR	FB100BW	100MFE	
200	Front wired	TF	**RS200H**	200DF	FB200FW	200MFB	
200	Back stud(2)		**RS200P**	-	FB200TS	200MFC	
200	Back/Front		**RS200PH**	-		200MFD	

GS Fuse Links

For semi conductor protection. Complies with BS88-4, AS60269.

Voltage rating	Current Rating	IPD	Bussmann T
660V Ultra Fast	16	**GSGB16**	15ET
	25	**GSGB25**	25ET
	30	**GSGB30**	30ET
	35	**GSGB35**	35ET
	40	**GSGB40**	40ET
	45	**GSGB45**	45ET
	55	**GSGB55**	56ET
	63	**GSGB63**	63ET
	80	**GSGB80**	80ET
	75	**GSGB75**	75EET
	85	**GSGB85**	90EET
	110	**GSGB110**	110EET
	125	**GSGB125**	
	150	**GSGB150**	140EET
	160	**GSGB160**	160EET
	170	**GSGB170**	160MT
	190	**GSGB190**	180MT
	225	**GSGB225**	225FM
	250	**GSGB250**	250MT
	175	**GSGB175**	180MMT
	200	**GSGB200**	200MMT
	235	**GSGB235**	225MMT
	300	**GSGB300**	280MMT
	325	**GSGB325**	315MMT
	350	**GSGB350**	355MMT
	400	**GSGB400**	400MMT
	450	**GSGB450**	450MMT
	500	**GSGB500**	500MMT

Voltage rating	Current Rating	IPD	Bussmann T
240V Fast Acting	5	**GSA5**	6LCT
	10	**GSA10**	10LCT
	15	**GSA15**	16LCT
	20	**GSA20**	20LCT
	25	**GSA25**	25LET
	35	**GSA35**	35LET
	50	**GSA50**	50LET
	75	**GSA75**	75LET
	100	**GSA100**	100LET
	125	**GSA125**	
	150	**GSA150**	160LMT
	200	**GSA200**	200LMT
	250	**GSA250**	250LMT
	300	**GSA300**	
	350	**GSA350**	
	400	**GSA400**	400LMMT
	500	**GSA500**	500LMMT
	600	**GSA600**	630LMMT

Class of Gear	Type of Equipment	Current Rating (A)	NS	ES	NIT & NITL	TIA & TIAL	TIS & TISL	TB	TBC	OS	TCP & TCPL	TFP	TC & TCL	TF	TKF & TKFL	TKM	TM & TML	TTM & TTML	TLM & TLML	GSA	GSA	GSB	GSGB
			Type Number Prefix Letters & Current Range																				
			2-32	40-63	2-20	2-32	35-63	2-63	2-63	80 & 100	80 & 100	125 & 160	80 & 100	125-200	250 & 315	250 & 315	355 & 400	450-630	670-800	5-20	25-75	25-75	16-63
Fuse Fittings	Safeclip	20	●																				
		32	●																				
		63	H	●																			
	RS	20			●																		
		32				●														E			
		63				●	●																
		100				A	A				●										F	G	G
		200							●				●	●									
		400							B				B	B	B	●	●						
	RS Miniature	32			●																		
		63				●	● J																
		100				●	●			K ● L													
		160				A	A				●	●											

"A" – Use AA Adaptor
"B" – Use BA Adaptor
"E" – Use GSA-1 Adaptor
"F" – Use GSA-2 Adaptor
"G" – Use GSB-2 Adaptor
"H" – Use SCA63 Carrier
"J" – Except TIS63M80-63M100
"K" – Except OS100M125
"L" – Max Assisted Start Motor = 45kW

DIN Type Fuse Links 500V

For industrial & distribution applications. Conforms to AS60269, DIN 43620*VDE 0636/2.

Rating A	Size	IPD	Bussmann	Jean Muller	MEM	SIEMENS	WEBBER
10, 16, 20, 25, 32, 35, 40, 50, 63, 80, 100, 125 & 160	OO	**NHG00-_**	NHG00_	MOOgL_	NH OO_	3NA2 8_	NH00KTF_
63,80,100,125,160,200&250	1	**NHG1-_**	NHG1_	M1gL_	NH 01_	3NA2 1_	NH1KTF_
125,160,200,250,315,355&400	2	**NHG2-_**	NHG2_	M2gL_	NH 02_	3NA2 2_	NH2KTF_
315,355,400,500&630	3	**NHG3-_**	NHG3_	M3gL_	NH 03_	3NA3 3_	NH3KTF_

Series 7 Service fuse fittings - Black

Connection	Fuse link	Anti-Intrusion	IPD	Bussmann	PDL	Flowline
Back wire	RHF	N	**S71002ABWS**	HSB22BW	NSF2ABW	ECV1036
Front wire	RHF	N	**S71002AFWS**	HSB22FW	NSF2AFW	ECV1038
Back wire	RHLF	N	**S71002BBW**	HSB30BW	NSF2BBW	ECV1037
Back wire	RHLF	Y	**S71002BBWAI**	HSB30BWI	NSF2BBWA	ECV1037AIB
Front wire	RHLF	N	**S71002BFW**	HSB30FW	NSF2BFW	ECV1034
Front wire	RHLF	Y	**S71002BFWAI**	HSB30FWI	NSF2BFWA	ECV1034AIB

Series 7 Service fuse fittings - Clear

Connection	Fuse link	Anti-Intrusion	IPD	Bussmann	PDL	Flowline
Front wire	RHLF	N	**S7CLR2BFW**		-	-
Back wire	RHLF	Y	**S7CLR2BBWAI**	HSB30BWCLI	-	-
Front wire	RHLF	Y	**S7CLR2BFWAI**	HSB30FWCLI	-	-

RHF fuses = 2A 22mm types, RHLF = 2B 30mm types

Series 7 Service disconnects for Qld

Connection	Link	Colour	IPD	Bussmann	Flowline
Back wire	fitted	Clear	**S7125BWQ**	HSB22BWCL	E1036/SL
Front wire	fitted	Clear	**S7125FWQ**		

Service Fuse Links

Type	Diameter mm	Length mm	Ratings A
PL..	6	26	1, 2, 3, 5, 7, 10, 13
LC..	10	26	2, 6, 8, 10, 16, 20
FSM..	10	36	0.44
FSM..	10	38	11, 15
10G..	10	38	0.5, 1, 2, 4, 6, 8, 10, 12, 16, 20, 25, 32
SK..	13	29	5, 8, 10, 16, 20, 45
..LKC	13	29	25, 32
PK..	14	51	45, 55
14G..	14	51	1, 2, 4, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50
OK..	17	35	45
UK..	17	51	10, 45, 63
XK..	21	76	63, 80, 100
RHF.	22	57	20, 30, 40, 45, 50, 60, 80
RHB..	22	57	100
22G..	22	57	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125
S7ALINK	22	57	NEUTRAL
RHLF.	30	57	50, 60, 80, 100
304..	40	48	63, 100, 160, 200, 250

ipd INDUSTRIAL PRODUCTS