

Technical Specifications for Enclosed & Door Interlock Safe Switch - Switch Fuses			Switch Types							
Data	Range	Units	LBF125 LBFD125	LBF160 LBFD160	LBF200 LBFD200	LBF250 LBFD250	LBF315 LBFD315	LBF400 LBFD400	LBF630 LBFD630	LBF800 LBFD800
BS88 Fuse size	-	-	A2-A3	A4	B1-B2	B1-B3	B1-B3	B1-B4	C1-C2	C1-C3
Rated thermal current at 40°C	Amps	A	125	160	200	250	315	400	630	800
Rated insulation voltage Ui	Volts	V	800	800	800	1000	1000	1000	1000	1000
Rated dielectric strength	Volts	kV	6	6	6	8	8	8	8	8
Rated impulse voltage Uimp	Volts	kV	8	8	8	12	12	12	12	12
Rated operational current Ie at 400V AC-22	Amps	A	125	160	200	250	315	400	630	800
Rated operational current Ie at 400V AC-23	Amps	A	125	160	200	250	315	400	630	630
Rated operational power Pe at 400V AC-23	Watts	kW	65	90	110	132	160	220	355	355
Rated breaking capacity	Amps	A	1000	1280	1600	2000	2600	3200	5100	5100
Rated making capacity	Amps	A	1250	1600	2000	2500	3150	4000	6300	6300
Rated short circuit making current (rms) with fuses fitted	Amps	kA	50	100	100	100	100	100	100	100
Rated short circuit withstand current (rms) with fuses fitted	Amps	kA	100	100	100	100	100	100	100	100
Minimum number of mechanical operations	-	Cycles	10,000	10,000	10,000	10,000	10,000	10,000	5,000	5,000
Minimum number of electrical @ 400V AC-23	-	Cycles	1,500	1,000	1,000	1,000	1,000	1,000	1,000	500
Terminal Capacity (rigid copper cable)	-	mm ²	95	120	120	240	240	240	2x185	2x240
Lug bolt size	-	-	Tunnel	M8	M8	M10	M10	M10	M12	M12
Maximum size of busbar connection	-	mm	-	5x25	5x25	6x40	6x40	6x40	2x7x50	2x7x50

125A to 800A Switch Fuse Compatibility Chart Switch

Enclosed Switch Fuse	LBF125	LBF160	LBF200	LBF250	LBF315	LBF400	LBF630	LBF800
Door Interlocked Switch Fuse	LBFD125	LBFD160	LBFD200	LBFD250	LBFD315	LBFD400	LBFD630	LBFD800
BS88 Fuse Size Range	A2 - A3	A4	B1-B2	B1-B3	B1-B3	B1-B4	C1-C2	C1-C3
Maximum Fuse Body Diameter	27	37	42			66	77	84
Fuse Fixing Centres	73	94	111				133/188	

Fuse Type	gL/gG General					
	A3 (TIS BAO SB4)	A4 (TCP CEO SD5)	B1 (TBC AC SF4)		C1 (TKM SG7)	
	BTIS69V36	BTCP42V63	TBC16		TKM200	
	BTIS42V40	BTCP42V80	TBC20		BTKM42V250	
	BTIS42V50	BTCP42V100	TBC25		BTKM42V315	
	BTIS42V63	TFP DEO SD6	BTBC42V32		C1 (TM EF SH8)	
	---	BTFP42V125	BTBC42V40		BTM42V355	
	TIS BAO OS OSD SB4	BTFP42V160	BTBC42V50		BTM42V400	
	TIS80A		BTBC42V63		C2 (TTM FF SH9)	
	TIS100A		B1 (TC CD SF5)		BTTM42V500	
	TIS125A		BTC42V80		BTTM42V560	
			BTC42V100		BTTM42V630	
			B2 (TF DD SF6)		C3 (TLM GF SH10)	
			BTF42V125			
			BTF42V160			
			BTF42V200			
				B3 (TKF ED SF7)		
				BTKF42V250		
				BTKF42V315		
				B4 (TMF ED SF8)		
				BTMF42V355		
				BTMF42V400		

Fuse Type	aM Motor Rated			
	TIA AAO SB2 aM	TCP CEO SD5 aM	TC CD SF5 aM	
	BTIA42V32M40	BTCP42V100M125	BTC42V100M125	
	BTIA42V32M50	BTCP42V100M160	BTC42V100M160	
	BTIA42V32M63		TF DD SF aM	
	TIS BAO SB4 aM		BTF42V200M250	
	BTIS42V63M80		BTF42V200M315	
	BTIS42V63M100		TKF ED SF7 aM	
	TIS OS OSD aM		BTKF42V315M400	
	TIS100M125			

