

New items	
Accessory	
Not for Sale	Late additions, still in process

PowerFlex DC drives series SPARE PARTS LIST
Models 20P41AE067RA0NNN20P41AE1K6RA0NNN (575VAC / 4Q)

Catalog Number	Description	Frame Sizes											
		B	B	B	B	B	C	D	D	D	D	D	
		Armature current [A] / Power [HP] sizes											
		67 / 50	101 / 75	135 / 100	270 / 200	405 / 300	540 / 400	675 / 500	810 / 600	1080 / 800	1215 / 900	1350 / 1000	1688 / 1250
20P-S520L	115VAC to 24VDC 8 channel I/O converter board	1	1	1	1	1	1	1	1	1	1	1	1
20P-S5511-RA	115VAC to 24VDC 12 channel I/O converter board	1	1	1	1	1	1	1	1	1	1	1	1
20P-S5V62	TBO-32 I/O Expansion board	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-4S9S13	Snubber Capacitor, 1uF 850Vac									6	6	6	
SK-20P-4S9S14	Snubber Capacitor, 1.5uF 850Vac											6	6
SK-20P-4S9S15	Snubber Capacitor, 2.2uF 850Vac												
SK-20P-4S9S19	FAN Motor-run Capacitor, 12uF 400Vac								1	1	1	1	1
SK-20P-F4M15	FUSE Ferrule 22x58mm, for field, 50A 600V								2	2	2	2	2
SK-20P-F4M21	FUSE Ferrule 22x58mm, for field, 100A 600V												
SK-20P-S578N	FIR-D-69 Pulse Transformer Board, 575 & 690VAC regen drive								1	1	1	1	1
SK-20P-S5D37	FNLS Fan loss detector board								1	1	1	1	1
SK-20P-S5H08	K-PFX Interface cable to Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S5N03	SW1-31 Switching Power Supply Board								1	1	1	1	1
SK-20P-S5N10	SW2-32 Switching Power Supply Board	1	1	1	1	1	1	1					
SK-20P-S5N20	SN-FC Field Snubber Board						1	1					
SK-20P-S5N22	CN3 Power supply filter board						1	1					
SK-20P-S5N25	PFC2A-31 Field board, 20Adc max	1	1	1	1	1							
SK-20P-S5N421	FIR2-61 Pulse Transformer Board, 575VAC regen drive	1	1	1	1	1							
SK-20P-S5N423	FIR3-327 Pulse Transformer Board, 575 & 690VAC regen drive						1	1					
SK-20P-S5N425	SN7-32 AC Line Snubber Capacitor Board, 0.22uF, 575 & 690VAC drive	1	1	1									
SK-20P-S5N426	FL-57 Transient Noise Filter Board, 575VAC drive						1	1					
SK-20P-S5N428	ISN7-33 AC Line Snubber Capacitor Board, 0.33uF, 575 & 690VAC drive				1	1	1	1					
SK-20P-S5N70	PFG40 Field board, 40Adc max								1	1	1	1	1
SK-20P-S5N73	PFG70 Field board, 70Adc max												
SK-20P-S5N97	SW3-32 Switching Power Supply Board						1	1					
SK-20P-S5N99	CFSF461 Overvoltage clipping board								1	1	1	1	1
SK-20P-S5O50	CFSF462 Overvoltage clipping board												
SK-20P-S5RFP1	R-PFX32 Main Control - Regulation board	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S7257210	4 SCR leg assembly, 2HS-PF-4Q-1K8V-1215A										3		
SK-20P-S7257211	4 SCR leg assembly, 2HS-PF-4Q-1K8V-1350A											3	
SK-20P-S7257212	4 SCR leg assembly, 2HS-PF-4Q-1K8V-1688A												3
SK-20P-S725726	4 SCR leg assembly, 2HS-PF-4Q-1K8V-810A								3				
SK-20P-S725729	4 SCR leg assembly, 2HS-PF-4Q-1K8V-1080A									3			
SK-20P-S725801	FAN Assembly, F280, 230Vac, 24000 ³ /h								1	1	1	1	1
SK-20P-S726171	Bus bar extension for U V W power terminals, 10x100mm									3	3	3	3
SK-20P-S726172	Bus bar extension for U V W power terminals, 5x100mm												3
SK-20P-S726173	Bus bar extension for C D power terminals, 10x100mm												
SK-20P-S764L	Bezel, Black, for PFDC Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S777H	AC Current Transducer ET1 1168, 600A / 0.2A	2	2	2	2	2							
SK-20P-S779F	Module DIODE2 for Field, 1K6V 99A								1	1	1	1	1
SK-20P-S785F	Module DIODE2 for Field, 1K6V 120A												
SK-20P-S799F	Module DIODE2 for Field, 1K6V 40A	1	1	1	1	1	1	1					
SK-20P-S79F7	Module SCR2 for Armature, 575VAC drive, 1K8V 130A	6	6	6									
SK-20P-S79F9	Module SCR2 for Armature, 575VAC drive, 1K8V 320A					6							
SK-20P-S79G0	Module SCR2 for Armature, 575VAC drive, 1K8V 500A						6	6					
SK-20P-S7F73	Module SCR2 for Arm & Field, 1K6V 25A	1	1	1	1	1	1	1					
SK-20P-S7F75	Module SCR2 for Arm & Field, 1K6V 55A								1	1	1	1	1
SK-20P-S7F77	Module SCR2 for Arm & Field, 1K6V 90A												
SK-20P-S7G17	FAN F150x55 230VAC, 191 cfm						2	3	3				
SK-20P-S7G29	BIMETAL THERMOSTAT, 80°C ±3												
SK-20P-S7G30	BIMETAL THERMOSTAT 90°C ±3						2	3	3				
SK-20P-S7G33	BIMETAL THERMOSTAT, 85°C ±3	2	2	2	2								
SK-20P-S7G49	FUSE Ferrule 14x51mm, for CFSFXXXX board, 10A 690V								3	3	3	3	3
SK-20P-S7G71	FAN F119x119 24VDC, 100 cfm	2	2	2	2								
SK-20P-S7G78	FAN F150x55 24VDC, 212 cfm					2							
SK-20P-S7G84	Fuse holder on SW1, SW2, SW3 board	2	2	2	2	2	2	2	1	1	1	1	1
SK-20P-S7GA9	BIMETAL THERMOSTAT 100°C ±3								1	1	1	1	1
SK-20P-S7H22	AC Current Transducer TAS2, 1600A / 0.4A						2	2	2	2	2	2	2
SK-20P-S7H23	AC Current Transducer TAS2, 2400A / 0.5A											2	2
SK-20P-S7ZRZ	Discharge Resistor, 1k5R 100W								4	4	4	4	4
SK-20P-S7K9K	EAM 1251 5 Ribbon cable, 34 pole, 220mm (FIR-X to R-PFX)						1	1					
SK-20P-S7P1J	EAM 1374 16 Ribbon cable, 34 pole, 160mm (FIR-X to R-PFX)	1	1	1	1	1							
SK-20P-S7P1V	EAM 1408 1 Ribbon cable, 6 pole, 310mm (PFC-X to R-PFX)												
SK-20P-S7P3V	EAM 1374 7 Ribbon cable, 34 pole, 130mm (FIR-X to R-PFX)												
SK-20P-S7P4V	EAM 1374 8 Ribbon cable, 16 pole, 160mm (SW-X to R-PFX)	1	1	1	1	1							
SK-20P-S7P7K	EAM 1408 5 Ribbon cable, 6 pole, 350mm (PFC-X to R-PFX)	1	1	1	1	1	1	1					
SK-20P-S7W0W	EAM 1251 4 Ribbon cable, 16 pole, 100mm (SW-X to R-PFX)							1	1				
SK-20P-S713748	EAM 1374 38 Ribbon cable, 16 pole, 450mm (SW-X to R-PFX)								1	1	1	1	1
SK-20P-S713749	EAM 1374 39 Ribbon cable, 34 pole, 570mm (FIR-X to R-PFX)								1	1	1	1	1
SK-20P-S714088	EAM 1408 18 Ribbon cable, 6 pole, 800mm (PFC-X to R-PFX)								1	1	1	1	1
SK-20P-S7P3U	EAM 1406 1 Twisted pair cable, 2 pole, AWG22, 510mm (PFC-X to FIR-X)								1	1	1	1	1
SK-20P-S714402	EAM 1440 2 Cable, 2 pole, AWG22, 100mm (SW-X to FIR-X)								1	1	1	1	1
SK-20P-S724882	EAM 2468 2 Twisted pair cable, 4 pole, AWG22, 600mm (Gating Field SCR T1F, T2F)								1	1	1	1	1
SK-20P-S713043	EAM 1304 3 Cable, 2 pole, AWG18, 1340mm (Fuse switch to FIR-X)								1	1	1	1	1

SK-20P-S714442	EAM 1444-2 Twisted pair cable, 4 pole, AWG22, 1800mm (CT to FIR-X)									1	1	1	1	1
SK-20P-S723831	EAM 2383 1 Cable, 2 pole, AWG22, 920mm (Thermostat to FIR-X)									1	1	1	1	1
SK-20P-S726421	EAM 2642 1 Cable, 3 pole, AWG16, 900mm (CFSF-X to FIR-X)									1	1	1	1	1
SK-20P-S726136	EAM 2613 6 Cable, 4 pole, AWG18, 1300mm (CD term. to FIR-X)									1	1	1	1	1
SK-20P-S726137	EAM 2613 7 Cable, 4 pole, AWG18, 900+1450mm (CD to CFSF-X to FIR-X)									1	1	1	1	1
SK-20P-S726151	EAM 2615 1 Twisted pair cable, 2 pole, AWG20, 780mm (Gating T1 2Q drives)													
SK-20P-S726152	EAM 2615 2 Twisted pair cable, 2 pole, AWG20, 930mm (Gating T2 2Q drives)													
SK-20P-S726153	EAM 2615 3 Twisted pair cable, 2 pole, AWG20, 1130mm (Gating T3 2Q drives)													
SK-20P-S726154	EAM 2615 4 Twisted pair cable, 2 pole, AWG20, 930mm (Gating T4 2Q drives)													
SK-20P-S726155	EAM 2615 5 Twisted pair cable, 2 pole, AWG20, 1080mm (Gating T5 2Q drives)													
SK-20P-S726156	EAM 2615 6 Twisted pair cable, 2 pole, AWG20, 1280mm (Gating T6 2Q drives)													
SK-20P-S726141	EAM 2614 1 Twisted pair cable, 4 pole, AWG20, 780mm (Gating T1, T01 4Q drives)									1	1	1	1	1
SK-20P-S726142	EAM 2614 2 Twisted pair cable, 4 pole, AWG20, 980mm (Gating T2, T02 4Q drives)									1	1	1	1	1
SK-20P-S726143	EAM 2614 3 Twisted pair cable, 4 pole, AWG20, 1130mm (Gating T3, T03 4Q drives)									1	1	1	1	1
SK-20P-S726144	EAM 2614 4 Twisted pair cable, 4 pole, AWG20, 910mm (Gating T4, T04 4Q drives)									1	1	1	1	1
SK-20P-S726145	EAM 2614 5 Twisted pair cable, 4 pole, AWG20, 1080mm (Gating T5, T05 4Q drives)									1	1	1	1	1
SK-20P-S726146	EAM 2614 6 Twisted pair cable, 4 pole, AWG20, 1310mm (Gating T6, T06 4Q drives)									1	1	1	1	1
SK-20P-S813G	Inrush limiting Resistor, 10R 75W													
SK-20P-S814G	Inrush limiting Resistor, 15R 75W									1	1	1	1	1
SK-20P-S815G	Snubber Resistor, 18R 280W												6	6
SK-20P-S816G	Snubber Resistor, 22R 180W									6	6	6		
SK-20P-S817G	Snubber Resistor, 22R 130W													
SK-20P-S818G	Snubber Resistor, 22R 330W													
SK-20P-S819G	Snubber Resistor, 27R 230W													
SK-20P-S81N2RA	Ckt bd conn., kit Frame B	1	1	1	1	1								
SK-20P-S81N3RA	Ckt bd conn., kit Frame C						1	1						
SK-20P-S81N6RA	Ckt bd conn., kit Frame D								1	1	1	1	1	1
SK-20P-S81N4RA	Ckt bd conn., kit I/O Board only	1	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S81N5RA	Ckt bd conn., kit converter bd (8 chn)	1	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S81N7RA	Ckt bd conn., kit converter bd (12 chn)									1	1	1	1	1
SK-20P-S822Q	Snubber Resistor, 47R 75W						6	6						
SK-20P-S823Q	Snubber Resistor, 56R 75W													
SK-20P-S829B	FUSE Ferrule 10x38mm, 15A 600V	3	3	3	3	3								
SK-20P-S85B6	FUSE Ferrule 14x51mm, for FL-XX board, 25A 690V						3	3						
SK-20P-S85B9	Field fuse holder, 2-poles, 22x58mm fuses, frame D drives									1	1	1	1	1
SK-20P-S85C4	FUSE square body stud-mount, high speed, for armature leg, 630A 1250V										12			
SK-20P-S85C5	FUSE square body stud-mount, high speed, for armature leg, 700A 1250V											12		
SK-20P-S85C6	FUSE square body stud-mount, high speed, for armature leg, 800A 1250V									6				12
SK-20P-S85C7	FUSE square body stud-mount, high speed, for armature leg, 900A 1250V													
SK-20P-S85C8	FUSE square body stud-mount, high speed, for armature leg, 1000A 1250V										6			
SK-20P-S85D2	FUSE square body flush end, high speed, for armature leg, 800A 1000V						6	6						
SK-20P-S8827	Snubber Resistor, 47R 50W	6	6	6	6	6								
SK-20P-S8829	FUSE Ferrule 5x20mm slo-blow, switching supply, 2.5A 250V	2	2	2	2	2	2	2	1	1	1	1	1	1
SK-20P-S8H16	Module SCR2 for Armature, 575VAC drive, 1K&V 250A					6								
SK-20P-S8N29	Field fuse holder, frame B & C drives	2	2	2	2	2	2	2						
SK-DC1-CVR1-A1	PFDC Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1	1
	Remark: External high speed power fuses are listed on file "Fuses for PowerFlex DC.xls".													No external fuses required. Armature leg fuses and field fuses inside drive.

Color Code: Notes:
Not For Sale The Drive or frame is not for sale, but the associated spare may be used elsewhere.
Critical spares D frame Currently just frame D critical spares are identified. Frame D is often field serviced.
Corrections
New items
Accessory
Not for Sale Late additions, still in process

PowerFlex DC drives series SPARE PARTS LIST
Models 20P21AB7PORNXXX20P21AB1KORA0NNN (230VAC / 2Q)

Note: All 230v Non-Regenerative Drives were discontinued		Frame Sizes												
Catalog Number	Description	A	A	A	A	A	B	B	B	C	E	E	E	
		Armature current [A] / Power [HP] sizes												
		7 / 1.5 9 / 2 12 / 3 20 / 5	29 / 7.5	38 / 10 55 / 15	73 / 20	93 / 25 110 / 30	146 / 40 180 / 50	218 / 60	265 / 75	360 / 100 434 / 125	521 / 150	700 / 200	875 / 250	1050 / 300
20P-S520L	115VAC to 24VDC 8 channel I/O converter board	1	1	1	1	1	1	1	1	1	1	1	1	1
20P-S5511-RA	115VAC to 24VDC 12 channel I/O converter board													
20P-S5V62	TBO-32 I/O Expansion board	1	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-4S9S13	Snubber Capacitor, 1uF 850Vac													
SK-20P-4S9S14	Snubber Capacitor, 1.5uF 850Vac												6	6
SK-20P-4S9S15	Snubber Capacitor, 2.2uF 850Vac													
SK-20P-4S9S19	FAN Motor-run Capacitor, 12uF 400Vac												1	1
SK-20P-F4M15	FUSE Ferrule 22x58mm, for field, 50A 600V												2	2
SK-20P-F4M21	FUSE Ferrule 22x58mm, for field, 100A 600V													
SK-20P-S580N	FIR-D-50-2B Pulse Transformer Board, 500Vac non regen drive												1	1
SK-20P-S595H	PBB-2B Power traces board	1	1	1										
SK-20P-S5D37	FNLS Fan loss detector board												1	1
SK-20P-S5H08	K-PFX Interf. cable to Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S5N03	SW1-31 Switching Power Supply Board	1	1	1	1	1							1	1
SK-20P-S5N10	SW2-32 Switching Power Supply Board						1	1	1	1				
SK-20P-S5N13	SN4-31 AC Line Snubber cap board, 230VAC drive						1	1	1	1	1	1		
SK-20P-S5N15	FL-31 Transient Noise Filter Board, 230 & 460VAC drive										1	1		
SK-20P-S5N20	SNFC Field Snubber Board										1	1		
SK-20P-S5N22	CN3 Power supply filter board										1	1		
SK-20P-S5N23	FIR3-32-2B Pulse Transformer Board, 230 & 460VAC non-regen drive										1	1		
SK-20P-S5N24	PFC1A-32 Field board	1	1	1	1	1								
SK-20P-S5N25	PFC2A-31 Field board						1	1	1	1				
SK-20P-S5N32	FIR2-41-2B Pulse Transformer Board, 230VAC non-regen						1	1	1	1				
SK-20P-S5N49	FIR1-411-2B Pulse Transformer Board, 230VAC non-regen	1	1											
SK-20P-S5N57	FIR1-421-2B Pulse Transformer Board, 230VAC non-regen			1	1	1								
SK-20P-S5N70	PFC40 Field board, 40Adc max.												1	1
SK-20P-S5N73	PFC70 Field board, 70Adc max.													
SK-20P-S5N97	SW3-32 Switching Power Supply Board										1	1		
SK-20P-S5N99	CFSF461 Ovenvoltage clipping board												1	1
SK-20P-S5RP1	R-PFX32 Main Control - Regulation board	1	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S7169	FUSE Ferrule 5x20mm fast, switching supply, 3.15A 250V						1	1	1	1	1	1	1	1
SK-20P-S725771	2 SCR leg assembly, 2HS-PF-2Q-1K6V-875A												3	
SK-20P-S725772	2 SCR leg assembly, 2HS-PF-2Q-1K6V-1050A													3
SK-20P-S725773	2 SCR leg assembly, 2HS-PF-2Q-1K6V-830A													
SK-20P-S725774	2 SCR leg assembly, 2HS-PF-2Q-1K6V-996A													
SK-20P-S725775	2 SCR leg assembly, 2HS-PF-2Q-1K6V-1162A													
SK-20P-S725776	2 SCR leg assembly, 2HS-PF-2Q-1K6V-1328A													
SK-20P-S725777	2 SCR leg assembly, 2HS-PF-2Q-1K6V-1494A													
SK-20P-S725801	FAN Assembly, F280, 230Vac, 2400m ³ /h												1	1
SK-20P-S726171	Bus bar extension for U V W power terminals, 10x100mm													3
SK-20P-S726172	Bus bar extension for U V W power terminals, 5x100mm													
SK-20P-S726173	Bus bar extension for C D power terminals, 10x100mm													
SK-20P-S727F	Module SCR2 for Armature, 230VAC drive, 1K2V 320A									3				
SK-20P-S75BT	Module SCR2 for Armature, 460VAC drive, 1K6V 320A	1	1	1	1	1								
SK-20P-S764L	Bezel, Black, for PFDC Cover Assembly						1	1	1	1	1	1	1	1
SK-20P-S770F	Module SCR2 for Armature, 230VAC drive, 1K2V 500A										3	3		
SK-20P-S777H	AC Current Transducer ET1 1168, 600A / 0.2A						2	2	2	2				
SK-20P-S779F	Module DIODE2 for Field, 1K6V 99A												1	1
SK-20P-S77BT	Lower Cover, Grey, A frame only	1	1	1	1	1								
SK-20P-S785F	Module DIODE2 for Field, 1K6V 120A													
SK-20P-S78H0	AC Current Transducer ET1 1188, 200A / 0.1A	2	2	2	2	2								
SK-20P-S799F	Module DIODE2 for Field, 1K6V 40A						1	1	1	1	1	1		
SK-20P-S79F1	Module D/SCR5 for Field, 1K6V 28A				1	1								
SK-20P-S79F3	Module D/SCR5 for Field, 1K6V 15A	1	1	1										
SK-20P-S7F42	Module SCR2 for Armature, 230VAC drive, 1K2V 210A								3					
SK-20P-S7F44	Module SCR2 for Armature, 230VAC drive, 1K2V 25A	3												
SK-20P-S7F45	Module SCR2 for Armature, 230VAC drive, 1K2V 40A		3	3										
SK-20P-S7F46	Module SCR2 for Armature, 230VAC drive, 1K2V 55A				3									
SK-20P-S7F47	Module SCR2 for Armature, 230VAC drive, 1K2V 90A					3								
SK-20P-S7F48	Module SCR2 for Armature, 230VAC drive, 1K2V 130A						3							
SK-20P-S7F49	Module SCR2 for Armature, 230VAC drive, 1K2V 160A							3						
SK-20P-S7F73	Module SCR2 for Arm & Field, 1K6V 25A						1	1	1	1	1	1		
SK-20P-S7F75	Module SCR2 for Arm & Field, 1K6V 55A												1	1
SK-20P-S7F77	Module SCR2 for Arm & Field, 1K6V 90A													
SK-20P-S7G17	FAN F150x55 230VAC, 191 cfm										3	3		
SK-20P-S7G29	BIMETAL THERMOSTAT, 80°C ±3									2		3		
SK-20P-S7G30	BIMETAL THERMOSTAT 90°C ±3										3	3		
SK-20P-S7G33	BIMETAL THERMOSTAT, 85°C ±3						2	2	2					
SK-20P-S7G37	BIMETAL THERMOSTAT, 85°C ±3			1	1								3	3
SK-20P-S7G49	FUSE Ferrule 14x51mm, for CFSFXXX board, 10A 690V													
SK-20P-S7G71	FAN 119x119x32 24VDC, 100 cfm				1	1	2	2	2					

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Catalog Number	Description	Frame Sizes											
		B	B	B	B	B	C	C	D	D	D	D	
		Armature current [A] / Power [HP] sizes											
		67 / 50	101 / 75	135 / 100	270 / 200	405 / 300	540 / 400	675 / 500	810 / 600	1080 / 800	1215 / 900	1350 / 1000	1688 / 1250
20P-S520L	115VAC to 24VDC 8 channel I/O converter board												
20P-S5511RA	115VAC to 24VDC 12 channel I/O converter board												
20P-S5V62	TBO-32 I/O Expansion board	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-4S9S13	Snubber Capacitor, 1uF 850Vac								6	6	6		
SK-20P-4S9S14	Snubber Capacitor, 1.5uF 850Vac											6	6
SK-20P-4S9S15	Snubber Capacitor, 2.2uF 850Vac												
SK-20P-4S9S19	FAN Motor-run Capacitor, 12uF 400Vac								1	1	1	1	1
SK-20P-F4M15	FUSE Ferrule 22x58mm, for field, 50A 600V								2	2	2	2	2
SK-20P-F4M21	FUSE Ferrule 22x58mm, for field, 100A 600V												
SK-20P-S572M	FIR-D-69-2B Pulse Transformer Board, 575 & 690VAC non regen drive								1	1	1	1	1
SK-20P-S5D37	FNLS Fan loss detector board								1	1	1	1	1
SK-20P-S5H08	K-PFX Interface cable to Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S5N33	SW1-31 Switching Power Supply Board								1	1	1	1	1
SK-20P-S5N10	SW2-32 Switching Power Supply Board	1	1	1	1	1	1						
SK-20P-S5N20	SN-FC Field Snubber Board							1	1				
SK-20P-S5N22	CN3 Power supply filter board							1	1				
SK-20P-S5N25	PFC2A-31 Field board, 20Adc max	1	1	1	1	1	1						
SK-20P-S5N422	FIR2-61-2B Pulse Transformer Board, 575VAC non-regen drive	1	1	1	1	1	1						
SK-20P-S5N424	FIR3-32-2B Pulse Transformer Board, 575 & 690VAC non-regen drive							1	1				
SK-20P-S5N425	SN7-32 AC Line Snubber Capacitor Board, 0.22uF, 575 & 690VAC drive	1	1	1									
SK-20P-S5N426	FL-57 Transient Noise Filter Board, 575VAC drive							1	1				
SK-20P-S5N428	SN7-33 AC Line Snubber Capacitor Board, 0.33uF, 575 & 690VAC drive				1	1	1	1					
SK-20P-S5N70	PFC40 Field board, 40Adc max								1	1	1	1	1
SK-20P-S5N73	PFC70 Field board, 70Adc max												
SK-20P-S5N97	SW3-32 Switching Power Supply Board							1	1				
SK-20P-S5N99	CFSF461 Overvoltage clipping board								1	1	1	1	
SK-20P-S5O50	CFSF462 Overvoltage clipping board												1
SK-20P-S5RP1	R-PFX32 Main Control - Regulation board	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S725770	2 SCR leg assembly, 2HS-PF-2Q-1K8V-1215A										3		
SK-20P-S72577A	2 SCR leg assembly, 2HS-PF-2Q-1K8V-1350A											3	
SK-20P-S72577B	2 SCR leg assembly, 2HS-PF-2Q-1K8V-1688A												3
SK-20P-S725778	2 SCR leg assembly, 2HS-PF-2Q-1K8V-810A								3				
SK-20P-S725779	2 SCR leg assembly, 2HS-PF-2Q-1K8V-1080A												
SK-20P-S725901	FAN Assembly, F280, 230Vac, 2400m ³ /h								1	1	1	1	1
SK-20P-S726171	Bus bar extension for U V W power terminals, 10x100mm									3	3	3	3
SK-20P-S726172	Bus bar extension for U V W power terminals, 5x100mm												
SK-20P-S726173	Bus bar extension for C D power terminals, 10x100mm												3
SK-20P-S764L	Bezel, Black, for PFDC Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S777H	AC Current Transducer ET1168, 600A / 0.2A	2	2	2	2	2	2						
SK-20P-S779F	Module DIODE2 for Field, 1K6V 99A								1	1	1	1	1
SK-20P-S785F	Module DIODE2 for Field, 1K6V 120A												
SK-20P-S799F	Module DIODE2 for Field, 1K6V 40A	1	1	1	1	1	1	1					
SK-20P-S79F7	Module SCR2 for Armature, 575VAC drive, 1K8V 130A	3	3	3									
SK-20P-S79F9	Module SCR2 for Armature, 575VAC drive, 1K8V 320A					3							
SK-20P-S79G0	Module SCR2 for Armature, 575VAC drive, 1K8V 500A						3	3					
SK-20P-S7F73	Module SCR2 for Arm & Field, 1K6V 25A	1	1	1	1	1	1	1					
SK-20P-S7F75	Module SCR2 for Arm & Field, 1K6V 55A								1	1	1	1	1
SK-20P-S7F77	Module SCR2 for Arm & Field, 1k6V 90A												
SK-20P-S7G17	FAN F150x55 230VAC, 191 cfm						3	3					
SK-20P-S7G29	BIMETAL THERMOSTAT, 80°C ± 3					2							
SK-20P-S7G30	BIMETAL THERMOSTAT 90°C ±3						3	3					
SK-20P-S7G33	BIMETAL THERMOSTAT, 85°C ±3	2	2	2	2								
SK-20P-S7G49	FUSE Ferrule 14x51mm, for CFSFXXX board, 10A 690V								3	3	3	3	3
SK-20P-S7G71	FAN 119x119x32 24VDC, 100 cfm	2	2	2	2								
SK-20P-S7G78	FAN F150x55 24VDC, 212 cfm					2							
SK-20P-S7G84	Fuse holder on SW1, SW2, SW3 board	2	2	2	2	2	2	2	1	1	1	1	1
SK-20P-S7GA9	BIMETAL THERMOSTAT 100°C ±3								1	1	1	1	1
SK-20P-S7H22	AC Current Transducer IAS2, 1600A / 0.4A						2	2	2	2	2		
SK-20P-S7H23	AC Current Transducer IAS2, 2400A / 0.5A											2	2
SK-20P-S7K9K	EAM 1251 5 Ribbon cable, 34 pole, 220mm (FIR-X to R-PFX)							1	1				
SK-20P-S7P1J	EAM 1374 16 Ribbon cable, 34 pole, 160mm (FIR-X to R-PFX)	1	1	1	1	1							
SK-20P-S7P1V	EAM 1408 1 Ribbon cable, 6 pole, 310mm (PFC-X to R-PFX)												
SK-20P-S7P3V	EAM 1374 7 Ribbon cable, 34 pole, 130mm (FIR-X to R-PFX)												
SK-20P-S7P4V	EAM 1374 8 Ribbon cable, 16 pole, 160mm (SW-X to R-PFX)	1	1	1	1	1							
SK-20P-S7P7K	EAM 1408 5 Ribbon cable, 6 pole, 350mm (PFC-X to R-PFX)	1	1	1	1	1	1	1					
SK-20P-S7W0W	EAM 1251 4 Ribbon cable, 16 pole, 100mm (SW-X to R-PFX)							1	1				
SK-20P-S713748	EAM 1374 38 Ribbon cable, 16 pole, 450mm (SW-X to R-PFX)								1	1	1	1	1
SK-20P-S713749	EAM 1374 39 Ribbon cable, 34 pole, 570mm (FIR-X to R-PFX)								1	1	1	1	1
SK-20P-S714088	EAM 1408 18 Ribbon cable, 6 pole, 800mm (PFC-X to R-PFX)								1	1	1	1	1
SK-20P-S7P3U	EAM 1406 1 Twisted pair cable, 2 pole, AWG22, 510mm (PFC-X to FIR-X)								1	1	1	1	1
SK-20P-S714402	EAM 1440 2 Cable, 2 pole, AWG22, 100mm (SW-X to FIR-X)								1	1	1	1	1
SK-20P-S724682	EAM 2468 2 Twisted pair cable, 4 pole, AWG22, 600mm (Gating Field SCR T1F, T2F)								1	1	1	1	1
SK-20P-S713043	EAM 1304_3 Cable, 2 pole, AWG18, 1340mm (Fuse switch to FIR-X)								1	1	1	1	1
SK-20P-S714442	EAM 1444-2 Twisted pair cable, 4 pole, AWG22, 1800mm (CT to FIR-X)								1	1	1	1	1

SK-20P-S723831	EAM 2383 1 Cable, 2 pole, AWG22, 920mm (Thermostat to FIR-X)								1	1	1	1	1
SK-20P-S726421	EAM 2642 1 Cable, 3 pole, AWG16, 900mm (CFSF-X to FIR-X)								1	1	1	1	1
SK-20P-S726136	EAM 2613 6 Cable, 4 pole, AWG18, 1300mm (CD term. to FIR-X)								1	1	1	1	1
SK-20P-S726137	EAM 2613 7 Cable, 4 pole, AWG18, 900+1450mm (CD to CFSF-X to FIR-X)								1	1	1	1	1
SK-20P-S726151	EAM 2615 1 Twisted pair cable, 2 pole, AWG20, 780mm (Gating T1 2Q drives)								1	1	1	1	1
SK-20P-S726152	EAM 2615 2 Twisted pair cable, 2 pole, AWG20, 930mm (Gating T2 2Q drives)								1	1	1	1	1
SK-20P-S726153	EAM 2615 3 Twisted pair cable, 2 pole, AWG20, 1130mm (Gating T3 2Q drives)								1	1	1	1	1
SK-20P-S726154	EAM 2615 4 Twisted pair cable, 2 pole, AWG20, 930mm (Gating T4 2Q drives)								1	1	1	1	1
SK-20P-S726155	EAM 2615 5 Twisted pair cable, 2 pole, AWG20, 1080mm (Gating T5 2Q drives)								1	1	1	1	1
SK-20P-S726156	EAM 2615 6 Twisted pair cable, 2 pole, AWG20, 1280mm (Gating T6 2Q drives)								1	1	1	1	1
SK-20P-S726141	EAM 2614 1 Twisted pair cable, 4 pole, AWG20, 780mm (Gating T1, T01 4Q drives)												
SK-20P-S726142	EAM 2614 2 Twisted pair cable, 4 pole, AWG20, 990mm (Gating T2, T02 4Q drives)												
SK-20P-S726143	EAM 2614 3 Twisted pair cable, 4 pole, AWG20, 1130mm (Gating T3, T03 4Q drives)												
SK-20P-S726144	EAM 2614 4 Twisted pair cable, 4 pole, AWG20, 910mm (Gating T4, T04 4Q drives)												
SK-20P-S726145	EAM 2614 5 Twisted pair cable, 4 pole, AWG20, 1080mm (Gating T5, T05 4Q drives)												
SK-20P-S726146	EAM 2614 6 Twisted pair cable, 4 pole, AWG20, 1310mm (Gating T6, T06 4Q drives)												
SK-20P-S72RZ	Discharge Resistor, 1k5R 100W								4	4	4	4	4
SK-20P-S813G	Inrush limiting Resistor, 10R 75W												1
SK-20P-S814G	Inrush limiting Resistor, 15R 75W								1	1	1	1	1
SK-20P-S815G	Snubber Resistor, 18R 280W											6	6
SK-20P-S816G	Snubber Resistor, 22R 180W								6	6	6		
SK-20P-S817G	Snubber Resistor, 22R 130W												
SK-20P-S818G	Snubber Resistor, 22R 330W												
SK-20P-S819G	Snubber Resistor, 27R 230W												
SK-20P-S81N2RA	Ckt bd conn., kit Frame B	1	1	1	1	1							
SK-20P-S81N3RA	Ckt bd conn., kit Frame C						1	1					
SK-20P-S81N6RA	Ckt bd conn., kit Frame D								1	1	1	1	1
SK-20P-S81N4RA	Ckt bd conn., kit I/O Board only	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S81N5RA	Ckt bd conn., kit converter bd (8 chn)	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S81N7RA	Ckt bd conn., kit converter bd (12 chn)	1	1	1	1	1	1	1	1	1	1	1	1
SK-20P-S822Q	Snubber Resistor, 47R 75W						6	6					
SK-20P-S823Q	Snubber Resistor, 56R 75W												
SK-20P-S827B	FUSE square body flush end, high speed, for armature line, 1000A 700V						3	3					
SK-20P-S829B	FUSE Ferrule 10x38mm, 15A 600V	3	3	3	3	3							
SK-20P-S85B6	FUSE Ferrule 14x51mm, for FL-XX board, 25A 690V						3	3					
SK-20P-S85B9	Field fuse holder, 2-poles, 22x58mm fuses, frame D drives								1	1	1	1	1
SK-20P-S85C1	FUSE square body stud-mount, high speed, for armature leg, 1000A 700V								6				
SK-20P-S85C2	FUSE square body stud-mount, high speed, for armature leg, 1400A 700V												
SK-20P-S85C6	FUSE square body stud-mount, high speed, for armature leg, 800A 700V								6				12
SK-20P-S85C9	FUSE square body stud-mount, high speed, for armature leg, 630A 700V												
SK-20P-S86C1	FUSE square body stud-mount, high speed, for armature leg, 900A 700V												
SK-20P-S86C2	FUSE square body stud-mount, high speed, for armature leg, 1100A 700V									6			
SK-20P-S86C3	FUSE square body stud-mount, high speed, for armature leg, 1250A 700V										6		
SK-20P-S8827	Snubber Resistor, 47R 50W	6	6	6	6	6							
SK-20P-S8B29	FUSE Ferrule 5x20mm slo-blow, switching supply, 2.5A 250V	2	2	2	2	2	2	2	1	1	1	1	1
SK-20P-S8H16	Module SCR2 for Armature, 575VAC drive, 1K8V 250A						3						
SK-20P-S8N29	Field fuse holder, frame B & C drives	2	2	2	2	2	2	2					
SK-DC1-CVR1-A1	PFDC Cover Assembly	1	1	1	1	1	1	1	1	1	1	1	1
	Remark: External high speed power fuses are listed on file "Fuses for PowerFlex DC.xls".												No external fuses required. Armature leg fuses and field fuses inside drive.

Color Code: Notes:
Not For Sale The Drive or frame is not for sale, but the associated spare may be used elsewhere.
Critical spares D frame Currently just frame D critical spares are identified. Frame D is often field serviced.
Corrections
New items
Accessory
Not for Sale Late additions, still in process

PowerFlex DC SAR drives series SPARE PARTS LIST
PFDC Stand Alone Regulator (all models)

Note: SAR Not currently for Sale		Frame Sizes (A) only				Notes
Catalog Number	Description	Covers All Armature current [A] / Power [HP] sizes				
		23PMD4 230/460Vac 40A Field	23PMD7 230/460Vac 70A Field	23PMF4 575/690Vac 40A Field	23PMF7 575/690Vac 70A Field	
20P-S520L	115VAC to 24VDC 8 channel I/O converter board	1	1	1	1	
20P-S5511RA	115VAC to 24VDC 12 channel I/O converter board	1	1	1	1	
20P-S5V62	TBO-32 I/O Expansion board	1	1	1	1	
SK-DC1-CVR1-A1	PFDC Cover Assembly	1	1	1	1	
SK-20P-S5N03	SW1-31 Switching Power Supply Board	1	1	1	1	
SK-20P-S5N70	PFC40 Field board, 40Adc max	1		1		
SK-20P-S5N73	PFC70 Field board, 70Adc max		1		1	
SK-20P-S5RP1	R-PFX32 Main Control - Regulation board	1	1	1	1	
SK-20P-S5NN02RA	FIR4P-54 Power interface board, 230Vac to 500Vac	1	1			
SK-20P-S5NN04RA	FIR5P-64 Power interface board, 575Vac and 690Vac			1	1	
SK-20P-S5N019RA	CFS351 Capacitors board	1				
SK-20P-S5N029RA	CFS352 Capacitors board		1			
SK-20P-S5N039RA	CFS471 Capacitors board			1		
SK-20P-S5N049RA	CFS472 Capacitors board				1	
SK-20P-S779F	Module DIODE2 for Field, 1K6V 99A	1		1		
SK-20P-S785F	Module DIODE2 for Field, 1K6V 120A		1		1	
SK-20P-S7F75	Module SCR2 for Arm & Field, 1K6V 55A	1		1		
SK-20P-S7F77	Module SCR2 for Arm & Field, 1k6V 90A		1		1	
SK-20P-S5H08	K-PFX Interf. cable to Cover Assembly kit	1	1	1	1	
SK-20P-S75BT	Upper Cover, Black, A frame only	1	1	1	1	
SK-20P-S77BT	Lower Cover, Grey, A frame only	1	1	1	1	
SK-20P-S769RA	FAN Assy, 2 fans 24VDC 37cfm, 4 pole 80mm sheathed cable, conn. XV	1	1	1	1	
SK-20P-S7G30	BIMETAL THERMOSTAT 90°C ±3	1	1	1	1	
SK-20P-S8B29	FUSE Ferrule 5x20mm slo-blow, switching supply, 2.5A 250V	1	1	1	1	
SK-20P-S7G84	Fuse holder on SW1, SW2, SW3 board	1	1	1	1	
SK-20P-S8B19RA	FUSE Ferrule 6x32mm, 4A 500V	3	3			
SK-20P-S7G49	FUSE Ferrule 14x51mm, 10A 690V			3	3	
SK-20P-S813G	Inrush limiting Resistor, 10R 75W	1	1			
SK-20P-S814G	Inrush limiting Resistor, 15R 75W			1	1	
SK-20P-S7Z0ZRA	Discharge Resistor, 1k0R 100W	3	3			
SK-20P-S7ZPZRA	Discharge Resistor, 1k2R 100W			4	4	
SK-20P-S86URRA	Feed-through terminal, 1 pole, field circuit, 125A 500V	4	4	4	4	
SK-20P-S81ERA	Mating connectors kit, frame SAR	1	1	1	1	
SK-20P-S81N4RA	Ckt bd conn., kit I/O Board only	1	1	1	1	
SK-20P-S81N5RA	Ckt bd conn., kit converter bd (8 chn)	1	1	1	1	
SK-20P-S81N7RA	Ckt bd conn., kit converter bd (12 chn)	1	1	1	1	
SK-20P-S715350RA	EAM 1535 10 Cable, 2 pole, AWG22, 300mm, sheathed (Thermostat to FIRXP-X)	1	1	1	1	
SK-20P-S726138RA	EAM 2613 8 Cable, 4 pole, AWG18, 350mm, sheathed (FIRXP-X to conn. KA)	1	1	1	1	
SK-20P-S72678RA	EAM 2678 Cable, 6 pole, AWG18/22, 260mm, sheathed (FIRXP-X to conn. KPT31)	1	1	1	1	
SK-20P-S72677RA	EAM 2677 Cable, 5 pole, AWG18, 350mm, sheathed (FIRXP-X to conn. KP)	1	1	1	1	
SK-20P-S7P3V	EAM 1374 7 Ribbon cable, 34 pole, 130mm (FIRXP-X to R-PFX)	1	1	1	1	
SK-20P-S7P4V	EAM 1374 8 Ribbon cable, 36 pole, 160mm (SW-X to R-PFX)	1	1	1	1	
SK-20P-S7KK3RA	EAM 1408 6 Ribbon cable, 6 pole, 400mm, sheathed (PFC-X to R-PFX)	1	1	1	1	
SK-20P-S7K4XRA	EAM 1449 Ribbon cable, 16 pole, 290mm (FIRXP-X to Sub-D connector KPT11)	1	1	1	1	
SK-20P-S7X5XRA	EAM 1406 5 Twisted pair cable, 2 pole, AWG22, 310mm (PFC-X to FIRXP-X)	1	1	1	1	
SK-20P-S7195RA	EAM 1472 1 Twisted pair cable, 2 pole, AWG22, 110mm (Gating Field SCR T1F)	1	1	1	1	
SK-20P-S7194RA	EAM 1472 2 Twisted pair cable, 2 pole, AWG22, 110mm (Gating Field SCR T2F)	1	1	1	1	

Color Code: Notes:
Not for Sale The Drive or frame is not for sale, but the associated spare may be used elsewhere.
Critical spares D frame **NA**
Corrections
New items
Accessory
Not for Sale Late additions, still in process