Active Input Single Drives - regeneration and harmonic elimination

Fig 16 - SPMA

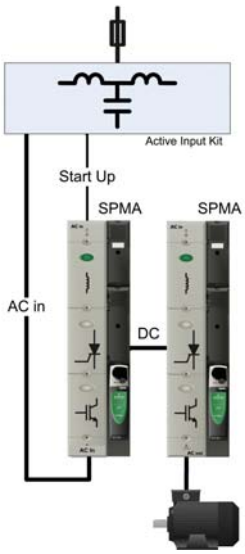


Fig 17 - SPMA + SPMD

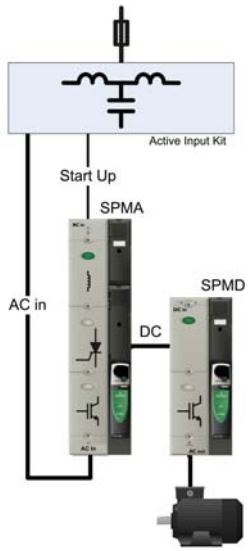
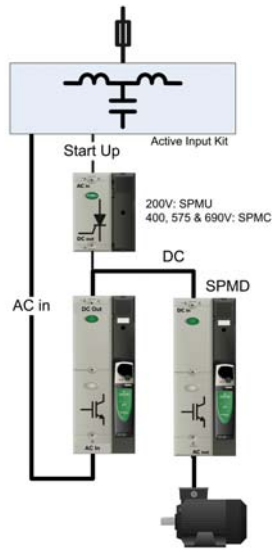


Fig 18 - SPMD + SPMC



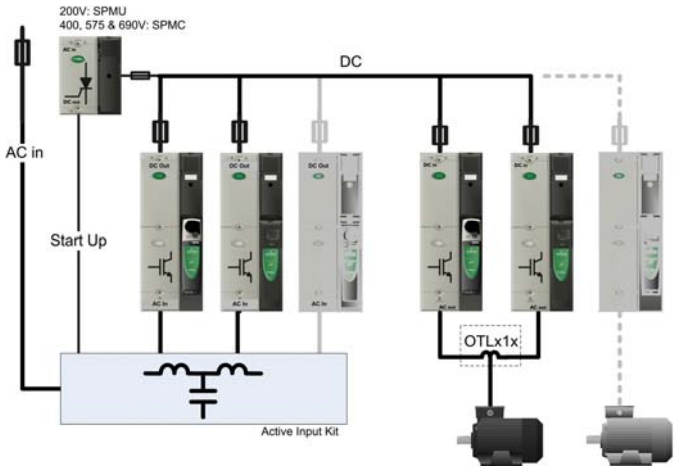
	Normal Duty			Heavy Duty			Fig.	Top Level Drive Order Code	Drive Order Code Items			Active Input Kits[7]			
									Modules			Order Kit based on required voltage and duty			
	Max Cont. Current	Typical Motor Output		Max Cont. Current	Typical Motor Output				Drive	Master	Rectifier	Normal Duty	Heavy Duty	Normal Duty	Heavy Duty
	(A)	@220V (kW)	@230V (HP)	(A)	@220V (kW)	@230V (HP)									
200V	**192**	55	75	**156**	45	60	18	SPMD1221-R	2 x SPMD1221	2	1 x SPMU1402[5]	200-2	200-1		
	248	75	100	**192**	55	75	18	SPMD1222-R	2 x SPMD1222	2	1 x SPMU1402[5]	200-3	200-2		
	312	90	125	**250**	75	100	18	SPMD1223-R	2 x SPMD1223	2	1 x SPMU1402[5]	200-4	200-3		
	350[1]	110[1]	150[1]	**290**	90	125	18	SPMD1224-R	2 x SPMD1224	2	1 x SPMU1402[5]	200-5	200-4		
		@400V (kW)	@460V (HP)		@400V (kW)	@460V (HP)									
400V	**205**	110	150	**180**	90	150	16	SPMA1421-R	2 x SPMA1421	2		400-2	400-1		
							17	SPMA/D1421-R	1 x SPMA1421 + 1 x SPMD1421	2					
							18	SPMD1421-R	2 x SPMD1421	2	1 x SPMC1402				
	236	132	200	**210**	110	150	16	SPMA1422-R	2 x SPMA1422	2		400-3	400-2		
							17	SPMA/D1422-R	1 x SPMA1422 + 1 x SPMD1422	2					
	246	132	200	**210**	110	150	18	SPMD1422-R	2 x SPMD1422	2	1 x SPMC1402				
	290	160	250	**246**	132	200	18	SPMD1423-R	2 x SPMD1423	2	1 x SPMC1402	400-3	400-3		
	350[1]	200[1]	300[1]	**290**	160	250	18	SPMD1424-R	2 x SPMD1424	2	1 x SPMC1402	400-4	400-3		
		@ 690V (kW)	@ 575V (HP)		@ 690V (kW)	@ 575V (HP)									
575V/690V	**125**	110	125	**100**	90	100	16	SPMA1621-R	2 x SPMA1621	2		690-2	690-1	575-2	575-1
							17	SPMA/D1621-R	1 x SPMA1621 + 1 x SPMD1621	2					
							18	SPMD1621-R	2 x SPMD1621	2	1 x SPMC1601				
	144	132	150	**125**	110	125	16	SPMA1622-R	2 x SPMA1622	2		690-3	690-2	575-3	575-2
							17	SPMA/D1622-R	1 x SPMA1622 + 1 x SPMD1622	2					
							18	SPMD1622-R	2 x SPMD1622	2	1 x SPMC1601				
	168	160	150	**144**	132	150	18	SPMD1623-R	2 x SPMD1623	2	1 x SPMC1601	690-4	690-3	575-4	575-3
	192	185	200	**168**	160	150	18	SPMD1624-R	2 x SPMD1624	2	1 x SPMC1601	690-6	690-4	575-6	575-4

See notes on page 16

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Industrial Automation

Active Input Multiple Drives - regeneration and harmonic elimination

Fig 19 - SPMD x 4 to x 20 + SPMC





	Normal Duty			Heavy Duty			Fig.	Top Level Drive Order Code	Drive					Active Input Kits[7]			
									Modules				Inductors	Order Kit based on required voltage and duty			
	Max Cont. Current	Typical Motor Output		Max Cont. Current	Typical Motor Output				Drive	Master	Slave	Rectifier	Output	Normal Duty	Heavy Duty	Normal Duty	Heavy Duty
	(A)	@220V (kW)	@230V (HP)	(A)	@220V (kW)	@230V (HP)											
200V	**364**	110	150	**296**	90	125	19	SPMD1221-2R	4 x SPMD1221	2	2	1 x SPMU1402[5]	1 x OTL411	200-7	200-6		
	471	132	200	**364**	110	150	19	SPMD1222-2R	4 x SPMD1222	2	2	1 x SPMU1402[5]	1 x OTL412	200-8	200-7		
	592	160	250	**475**	150	200	19	SPMD1223-2R	4 x SPMD1223	2	2	1 x SPMU1402[5]	1 x OTL413	200-9	200-8		
	665	200	250	**551**	160	200	19	SPMD1224-2R	4 x SPMD1224	2	2	1 x SPMU1402[5]	1 x OTL414	200-11	200-9		
	For higher currents, please contact your supplier. The maximum number of parallel output stages is 10.																
		@400V (kW)	@460V (HP)		@400V (kW)	@460V (HP)											
400V	**390**	225	300	**342**	185	300	19	SPMD1421-2R	4 x SPMD1421	2	2	1 x SPMC1402	1 x OTL411	400-6	400-5		
	468	280	400	**400**	225	350	19	SPMD1422-2R	4 x SPMD1422	2	2	1 x SPMC1402	1 x OTL412	400-7	400-6		
	552	315	450	**468**	280	400	19	SPMD1423-2R	4 x SPMD1423	2	2	1 x SPMC1402	1 x OTL413	400-7	400-7		
	666[1]	350[1]	550[1]	**552**	315	450	19	SPMD1424-2R	4 x SPMD1424	2	2	1 x SPMC1402	1 x OTL414	400-9	400-7		
	702	400	600	**600**	315	500	19	SPMD1422-3R	6 x SPMD1422	2	4	1 x SPMC1402	3 x OTL402	400-10	400-8		
	828	450	700	**702**	400	650	19	SPMD1423-3R	6 x SPMD1423	2	4	1 x SPMC1402	3 x OTL403	400-10	400-10		
	1000[1]	550[1]	850[1]	**828**	450	750	19	SPMD1424-3R	6 x SPMD1424	2	4	1 x SPMC1402	3 x OTL404	400-11	400-10		
	1104	630	900	**937**	550	800	19	SPMD1423-4R	8 x SPMD1423	2	6	1 x SPMC1402	4 x OTL403	400-12	400-12		
	1333[1]	750[1]	1100[1]	**1104**	630	950	19	SPMD1424-4R	8 x SPMD1424	2	6	1 x SPMC1402	4 x OTL404	400-14	400-12		
	For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:																
	3333[1]	1900[1]	2900[1]	**2761**	1500	2400	19	SPMD1424-10R	20 x SPMD1424	2	18	1 x SPMC2402	10 x OTL404	400-26	400-24		
		@690V (kW)	@575V (HP)		@690V (kW)	@575V (HP)											
575V / 690V	**238**	200	250	**190**	185	200	19	SPMD1621-2R	4 x SPMD1621	2	2	1 x SPMC1601	1 x OTL611	690-7	690-5	575-7	575-5
	274	250	300	**238**	200	250	19	SPMD1622-2R	4 x SPMD1622	2	2	1 x SPMC1601	1 x OTL612	690-8	690-7	575-8	575-7
	320	300	350	**274**	250	300	19	SPMD1623-2R	4 x SPMD1623	2	2	1 x SPMC1601	1 x OTL613	690-9	690-8	575-9	575-8
	365	350	400	**320**	300	350	19	SPMD1624-2R	4 x SPMD1624	2	2	1 x SPMC1601	1 x OTL614	690-11	690-9	575-11	575-9
	411	400	450	**357**	350	350	19	SPMD1622-3R	6 x SPMD1622	2	4	1 x SPMC1601	3 x OTL602	690-12	690-10	575-12	575-10
	480	450	500	**411**	400	450	19	SPMD1623-3R	6 x SPMD1623	2	4	1 x SPMC1601	3 x OTL603	690-13	690-12	575-13	575-12
	548	500	600	**480**	450	500	19	SPMD1624-3R	6 x SPMD1624	2	4	1 x SPMC1601	3 x OTL604	690-14	690-13	575-14	575-13
	640	630	700	**548**	500	600	19	SPMD1623-4R	8 x SPMD1623	2	6	1 x SPMC1601	4 x OTL603	690-16	690-15	575-16	575-15
	731	700	800	**640**	630	700	19	SPMD1624-4R	8 x SPMD1624	2	6	1 x SPMC1601	4 x OTL604	690-18	690-16	575-18	575-16
	For higher currents, please contact your supplier. The maximum number of parallel output stages is 10, as on next line:																
	1828	1800	2000	**1600**	1550	1750	19	SPMD1624-10R	20 x SPMD1624	2	18	1 x SPMC2601	10 x OTL604	690-30	690-28	575-30	575-28

See notes on page 16