

Derwent
Top 100
Global
Innovator
2020

Standard AC Drive **S100**

0.4~2.2kW(0.5~3HP) 1-Phase 200~240Volts
0.4~15kW(0.5~20HP) 3-Phase 200~240Volts
0.4~75kW(0.5~100HP) 3-Phase 380~480Volts
IP66 NEMA4X 0.4~2.2kW(0.5~3HP) 1-phase 200V~240Volts
IP66 NEMA4X 0.4~15kW(0.5~20HP) 3-Phase 200~240Volts
IP66 NEMA4X 0.4~22kW(0.5~30HP) 3-Phase 380~480Volts



RoHS

LS ELECTRIC

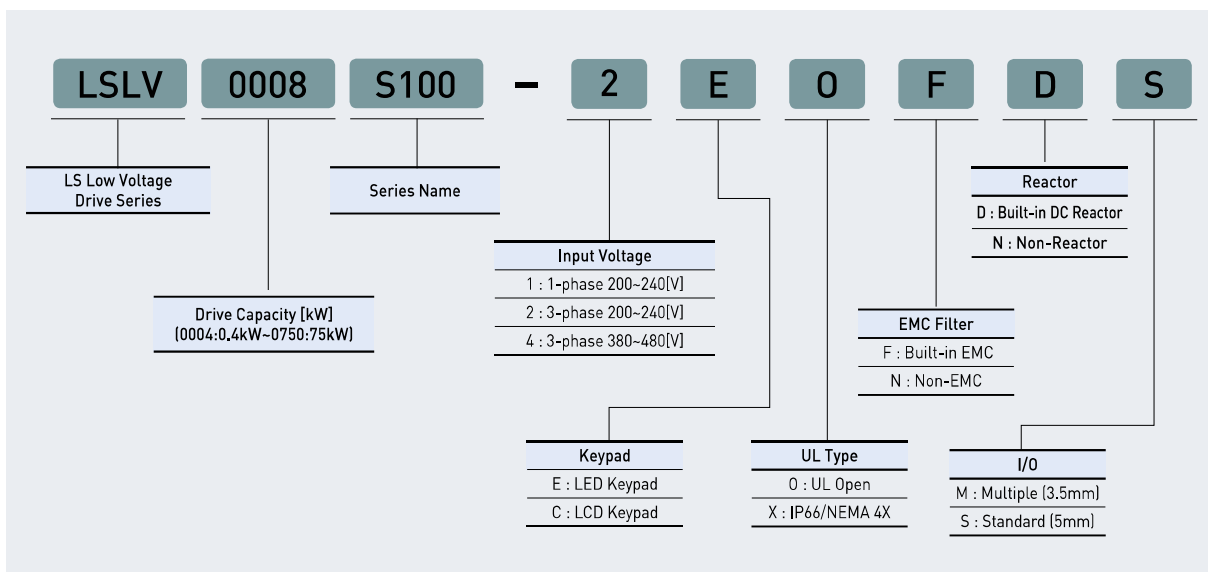
Standard I/O

Motor Rating	1-Phase 200V		3-Phase 200V		3-Phase 400V	
	IP20	IP66 ¹⁾	IP20	IP66 ¹⁾	IP20	IP66 ¹⁾
0.4 kW	LSLV0004S100-1EO(F)NS	LSLV0004S100-1EX(F)NS	LSLV0004S100-2EONNS	LSLV0004S100-2EXNNS	LSLV0004S100-4EO(F)NS	LSLV0004S100-4EXFNS
0.75 kW	LSLV0008S100-1EO(F)NS	LSLV0008S100-1EX(F)NS	LSLV0008S100-2EONNS	LSLV0008S100-2EXNNS	LSLV0008S100-4EO(F)NS	LSLV0008S100-4EXFNS
1.5 kW	LSLV0015S100-1EO(F)NS	LSLV0015S100-1EX(F)NS	LSLV0015S100-2EONNS	LSLV0015S100-2EXNNS	LSLV0015S100-4EO(F)NS	LSLV0015S100-4EXFNS
2.2 kW	LSLV0022S100-1EO(F)NS	LSLV0022S100-1EX(F)NS	LSLV0022S100-2EONNS	LSLV0022S100-2EXNNS	LSLV0022S100-4EO(F)NS	LSLV0022S100-4EXFNS
3.7 kW			LSLV0037S100-2EONNS	LSLV0037S100-2EXNNS	LSLV0037S100-4EO(F)NS	LSLV0037S100-4EXFNS
4.0 kW			LSLV0040S100-2EONNS	LSLV0040S100-2EXNNS	LSLV0040S100-4EO(F)NS	LSLV0040S100-4EXFNS
5.5 kW			LSLV0055S100-2EONNS	LSLV0055S100-2EXNNS	LSLV0055S100-4EO(F)NS	LSLV0055S100-4EXFNS
7.5 kW			LSLV0075S100-2EONNS	LSLV0075S100-2EXNNS	LSLV0075S100-4EO(F)NS	LSLV0075S100-4EXFNS
11 kW			LSLV0110S100-2EONNS	LSLV0110S100-2EXNNS	LSLV0110S100-4EO(F)NS	LSLV0110S100-4EXFNS
15 kW			LSLV0150S100-2EONNS	LSLV0150S100-2EXNNS	LSLV0150S100-4EO(F)NS	LSLV0150S100-4EXFNS
18.5 kW					LSLV0185S100-4EO(F)NS	LSLV0185S100-4EXFNS
22 kW					LSLV0220S100-4EO(F)NS	LSLV0220S100-4EXFNS
30 kW					LSLV0300S100-4CO(F)DS	
37 kW					LSLV0370S100-4CO(F)DS	
45 kW					LSLV0450S100-4CO(F)DS	
55 kW					LSLV0550S100-4CONDNS	
75 kW					LSLV0750S100-4CONDNS	

¹⁾ Extension I/O option needs to be purchased separately

* (F): Built-in EMC or Non-EMC type selectable

* 55~75kW satisfies EMC class 3



1-Phase 200V (0.4~2.2kW)

LSLV □□□□ S100-1 □□□□□			0004	0008	0015	0022
Motor Rating	Heavy Duty(HD)	HP	0.5	1.0	2.0	3.0
		kW	0.4	0.75	1.5	2.2
	Normal Duty(ND)	HP	1.0	2.0	3.0	5.0
		kW	0.75	1.5	2.2	3.7
Output Rating	Capacity [kVA]	Heavy Duty(HD)	1.0	1.9	3.0	4.2
		Normal Duty(ND)	1.2	2.3	3.8	4.6
	Rated Current [3-Phase Input] (A)	Heavy Duty(HD)	2.5	5.0	8.0	11.0
		Normal Duty(ND)	3.1	6.0	9.6	12.0
	Frequency [Hz]	0~400Hz (IM Sensorless: 0~120[Hz])				
Voltage [V]	3-phase 200~240V					
Input Rating	Voltage [V]	1-phase 200~240VAC (-15% ~ +10%)				
	Frequency [Hz]	50~60Hz(±5%)				
	Rated Current [A]	Heavy Duty(HD)	4.4	9.3	15.6	21.7
Normal Duty(ND)		5.8	11.7	19.7	24.0	
Weight [kg] (Built-in EMC)			0.9 (1.1)	1.3 (1.6)	1.5 (1.8)	2.0 (2.2)

3-Phase 200V (0.4~15kW)

LSLV □□□□ S100-2 □□□□□			0004	0008	0015	0022	0037	0040	0055	0075	0110	0150
Motor Rating	Heavy Duty(HD)	HP	0.5	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0
		kW	0.4	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0
	Normal Duty(ND)	HP	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0	25.0
		kW	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0	18.5
Output Rating	Capacity [kVA]	Heavy Duty(HD)	1.0	1.9	3.0	4.2	6.1	6.5	9.1	12.2	17.5	22.9
		Normal Duty(ND)	1.2	2.3	3.8	4.6	6.9	6.9	11.4	15.2	21.3	26.3
	Rated Current [3-Phase Input] (A)	Heavy Duty(HD)	2.5	5.0	8.0	11.0	16.0	17.0	24.0	32.0	46.0	60.0
		Normal Duty(ND)	3.1	6.0	9.6	12.0	18.0	18.0	30.0	40.0	56.0	69.0
	Rated Current [Single-phase Input] (A)	Heavy Duty(HD)	1.5	2.8	4.6	6.1	8.8	9.3	13.0	18.0	26.0	33.0
		Normal Duty(ND)	1.8	3.3	5.7	6.6	9.9	9.9	16.0	22.0	31.0	38.0
Frequency [Hz]	0~400Hz (IM Sensorless: 0~120[Hz])											
Voltage [V]	3-phase 200~240V											
Input Rating	Voltage [V]	3-phase 200~240VAC (-15% ~ +10%) / Single-Phase 240VAC (-5%~+10%)										
	Frequency [Hz]	50~60Hz(±5%) (In case of single phase input, input frequency is only 60Hz (±5%))										
	Rated Current [A]	Heavy Duty(HD)	2.2	4.9	8.4	11.8	17.5	18.5	25.8	34.9	50.8	66.7
Normal Duty(ND)		3.0	6.3	10.8	13.1	19.4	19.4	32.7	44.2	62.3	77.2	
Weight [kg] [Non EMC Filter Type]			0.9	0.9	1.3	1.5	2.0	2.0	3.3(3.1)	3.3(3.1)	4.6(4.4)	7.1(6.9)

* Maximum applicable capacity is indicated in case of using a 4-pole standard motor (200 and 400V classes are based on 220 and 440V, respectively).

* For the rated capacity, 200 and 400V class input capacities are based on 220 and 440V, respectively.

* The rated output current is limited depending on the setup of carrier frequency (CN-04).

* The output voltage becomes 20~40% lower during no-load operations to protect the drive from the impact of the motor closing and opening (0.4~4.0kW models only).

* Dual rating is supported except IP66/NEMA 4X

3-Phase 400V (0.4~22kW)

LSLV □□□□ S100-4 □□□□□			0004	0008	0015	0022	0037	0040	0055	0075	0110	0150	0185	0220	
Motor Rating	Heavy Duty(HD)	HP	0.5	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0	25.0	30.0	
		kW	0.4	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0	18.5	22.0	
	Normal Duty(ND)	HP	1.0	2.0	3.0	5.0	5.4	7.5	10.0	15.0	20.0	25.0	30.0	40.0	
		kW	0.75	1.5	2.2	3.7	4.0	5.5	7.5	11.0	15.0	18.5	22.0	30.0	
Output Rating	Capacity [kVA]	Heavy Duty(HD)	1.0	1.9	3.0	4.2	6.1	6.9	9.1	12.2	18.3	22.9	29.7	34.3	
		Normal Duty(ND)	1.5	2.4	3.9	5.3	7.6	7.6	12.2	17.5	22.9	29.0	33.5	44.2	
	Rated Current [3-Phase Input] (A)	Heavy Duty(HD)	1.3	2.5	4.0	5.5	8.0	9.0	12.0	16.0	24.0	30.0	39.0	45.0	
		Normal Duty(ND)	2.0	3.1	5.1	6.9	10.0	10.0	16.0	23.0	30.0	38.0	44.0	58.0	
	Rated Current [Single-phase Input] (A)	Heavy Duty(HD)	0.8	1.5	2.3	3.1	4.8	5.4	7.1	9.5	15.0	18.0	23.0	27.0	
		Normal Duty(ND)	1.3	1.9	3.0	3.9	5.9	5.9	9.5	14.0	18.0	23.0	27.0	35.0	
	Frequency [Hz]	0~400Hz (IM Sensorless: 0~120[Hz])													
Voltage [V]	3-phase 380~480V														
Input Rating	Voltage [V]	3-phase 380~480VAC (-15% ~ +10%) / Single-phase 480VAC (-5%~+10%)													
	Frequency [Hz]	50~60Hz(±5%) (In case of single phase input, input frequency is only 60Hz (±5%))													
	Rated Current [A]	Heavy Duty(HD)	1.1	2.4	4.2	5.9	8.7	9.8	12.9	17.5	26.5	33.4	43.6	50.7	
Normal Duty(ND)		2.0	3.3	5.5	7.5	10.8	10.8	17.5	25.4	33.4	42.5	49.5	65.7		
Weight [kg] (Built-in EMC / Non EMC Filter Type)			0.9 (1.18)	0.9 (1.18)	1.3 (1.77)	1.5 (1.80)	2.0 (2.23)	2.0 (2.23)	3.3 (3.1)	3.4 (3.2)	4.6 (4.4)	4.8 (4.6)	7.5 (7.3)	7.5 (7.3)	

3-Phase 400V (30~75kW)

LSLV □□□□ S100-4 □□□□□			0300	0370	0450	0550	0750
Motor Rating	Heavy Duty(HD)	HP	40.0	50.0	60.0	75.0	100.0
		kW	30.0	37.0	45.0	55.0	75.0
	Normal Duty(ND)	HP	50.0	60.0	75.0	100.0	120.0
		kW	37.0	45.0	55.0	75.0	90.0
Output Rating	Capacity [kVA]	Heavy Duty(HD)	46	57	69	84	116
		Normal Duty(ND)	55	67	78	106	126
	Rated Current [3-Phase Input] (A)	Heavy Duty(HD)	61.0	75.0	91.0	110.0	152.0
		Normal Duty(ND)	75.0	91.0	107.0	142.0	169.0
	Rated Current [Single-phase Input] (A)	Heavy Duty(HD)	32	39	47	57	78
		Normal Duty(ND)	39	47	55	73	87
Frequency [Hz]	0~400Hz (IM Sensorless: 0~120[Hz])						
Voltage [V]	3-phase 380~480V						
Input Rating	Voltage [V]	3-phase 380~480VAC (-15% ~ +10%) / Single-phase 480VAC (-5%~+10%)					
	Frequency [Hz]	50~60Hz(±5%) (In case of single phase input, input frequency is only 60Hz (±5%))					
	Rated Current [A]	Heavy Duty(HD)	56.0	69.0	85.0	103.0	143.0
Normal Duty(ND)		69.0	85.0	100.0	134.0	160.0	
Weight [kg]			25.8	34.4	34.4	41.8	43.8

* Maximum applicable capacity is indicated in case of using a 4-pole standard motor (200 and 400V classes are based on 220 and 440V, respectively).

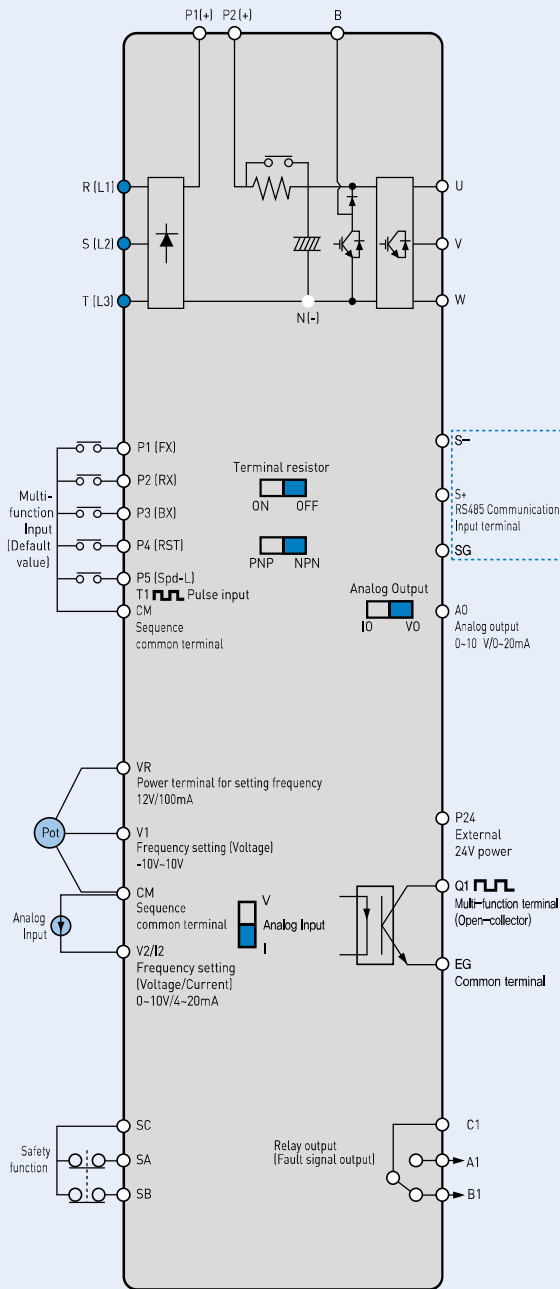
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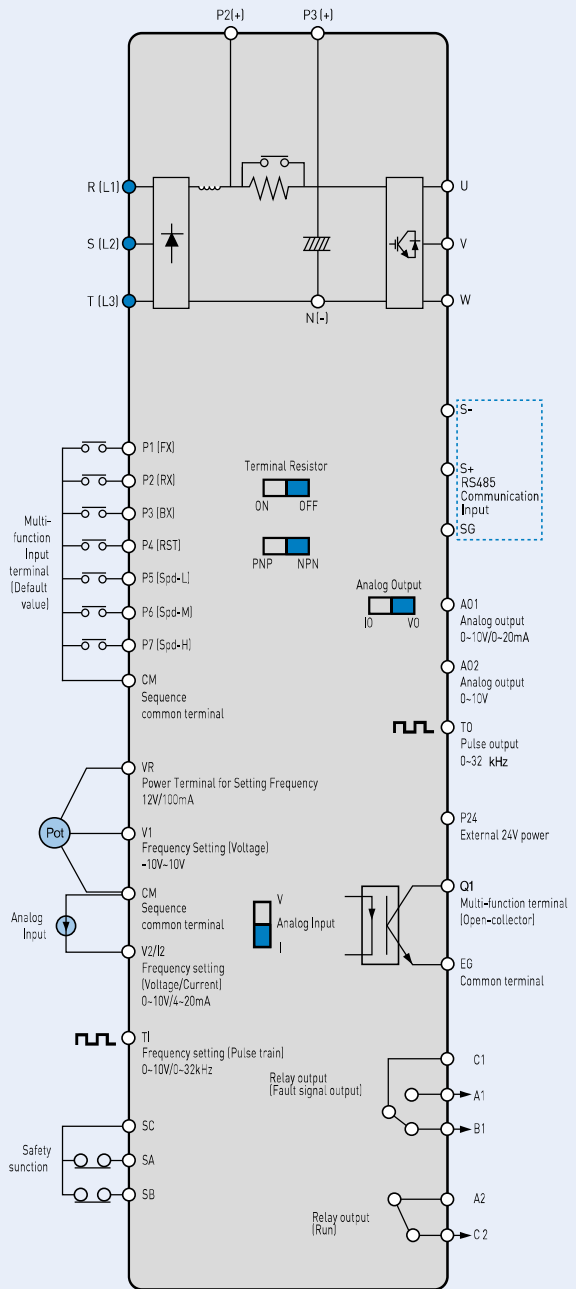
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* Dual rating is supported except IP66/NEMA 4X

0.4~22kW



30~75kW



※ Default is marked in blue.