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Find the *ABB / Baldor / Reliance SP500* at our website: ***Click HERE***

4.2”

3”

SP500 Parameter List

Parameter Number and Name		Range	Step Size	Default
F-00	Control Source Select	0, 1, 2, 3	N/A	0
F-01	Accel Time (Seconds)	0.5 - 90.0	0.10	5.0
F-02	Decel Time (Seconds)	0.5 - 90.0	0.10	5.0
F-03	Minimum Speed (Hz)	0.5 - 30.0	0.10/0.25	5.0
F-04	Maximum Speed (Hz)	30.0 - 240.0	0.10/0.25	60.0
F-05	Current Limit (%)	10 - 150	1.0	150
F-06	Manual Torque Boost (%)	2 - 10	1.0	2
F-07	V/Hz Base Speed (Hz)	3 - 240	1.0	60
F-08	RPM at Base Speed	10 - 9999	1.0	1750
F-09	Configurable Output Relay Select	0, 1, 2	N/A	0
F-10	Carrier Frequency (kHz)	4, 6, 8	N/A	4
F-11	Remote Reference Gain (%)	60 - 100	0.10	100
F-12	Remote Reference Offset (%)	0 - 40	0.10	0
F-13	Percent Selected Speed Ref Display Enable	On, Off	N/A	Off
F-14	Electronic Thermal Overload (%)	20 -100	1.0	100
F-15	Electronic Thermal Overload Enable	On, Off	N/A	On

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F-11	Remote Reference Gain (%)	60 - 100	0.10	100
F-12	Remote Reference Offset (%)	0 - 40	0.10	0
F-13	Percent Selected Speed Ref Display Enable	On, Off	N/A	Off
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F-14	Electronic Thermal Overload (%)	20 -100	1.0	100
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Parameter Number and Name		Range	Step Size	Default
F-16	Coast Stop Enable	On, Off	N/A	On
F-17	Reverse Disable	On, Off	N/A	Off
F-18	RPM Setpoint Enable	On, Off	N/A	Off
F-19	Power-Up Start Enable	On, Off	N/A	Off
F-20	Password Lockout Enable	On, Off	N/A	Off
F-21	Avoidance Frequency (Hz)	Min - Max	0.10	5
F-22	Avoidance Bandwidth (Hz)	0.0 - 30.0	0.10	0
F-23	Multi-Speed Preset 1 (Hz)	Min - Max	0.10	20
F-24	Multi-Speed Preset 2 (Hz)	Min - Max	0.10	20
F-25	Multi-Speed Preset 3 (Hz)	Min - Max	0.10	20
F-26	Auto-Restart Number of Attempts	0 (None)-10	N/A	0
F-27	Auto-Restart Retry Wait Time (seconds)	1 - 30	1.0	1
F-28	Drive Voltage Selection - Do not change.	This parameter is factory set.		
F-29	Analog Output Select	SPd, LOAd, UOL, rEF	N/A	SPd
F-49	Version Information	x.xx	N/A	Read Only

D-173-1

Parameter Number and Name		Range	Step Size	Default
F-16	Coast Stop Enable	On, Off	N/A	On
F-17	Reverse Disable	On, Off	N/A	Off
F-18	RPM Setpoint Enable	On, Off	N/A	Off
F-19	Power-Up Start Enable	On, Off	N/A	Off
F-20	Password Lockout Enable	On, Off	N/A	Off
F-21	Avoidance Frequency (Hz)	Min - Max	0.10	5
F-22	Avoidance Bandwidth (Hz)	0.0 - 30.0	0.10	0
F-23	Multi-Speed Preset 1 (Hz)	Min - Max	0.10	20
F-24	Multi-Speed Preset 2 (Hz)	Min - Max	0.10	20
F-25	Multi-Speed Preset 3 (Hz)	Min - Max	0.10	20
F-26	Auto-Restart Number of Attempts	0 (None)-10	N/A	0
F-27	Auto-Restart Retry Wait Time (seconds)	1 - 30	1.0	1
F-28	Drive Voltage Selection - Do not change.	This parameter is factory set.		
F-29	Analog Output Select	SPd, LOAd, UOL, rEF	N/A	SPd
F-49	Version Information	x.xx	N/A	Read Only

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F-18	RPM Setpoint Enable	On, Off	N/A	Off
F-19	Power-Up Start Enable	On, Off	N/A	Off
F-20	Password Lockout Enable	On, Off	N/A	Off
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F-22	Avoidance Bandwidth (Hz)	0.0 - 30.0	0.10	0
F-23	Multi-Speed Preset 1 (Hz)	Min - Max	0.10	20
F-24	Multi-Speed Preset 2 (Hz)	Min - Max	0.10	20
F-25	Multi-Speed Preset 3 (Hz)	Min - Max	0.10	20
F-26	Auto-Restart Number of Attempts	0 (None)-10	N/A	0
F-27	Auto-Restart Retry Wait Time (seconds)	1 - 30	1.0	1
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F-24	Multi-Speed Preset 2 (Hz)	Min - Max	0.10	20
F-25	Multi-Speed Preset 3 (Hz)	Min - Max	0.10	20
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