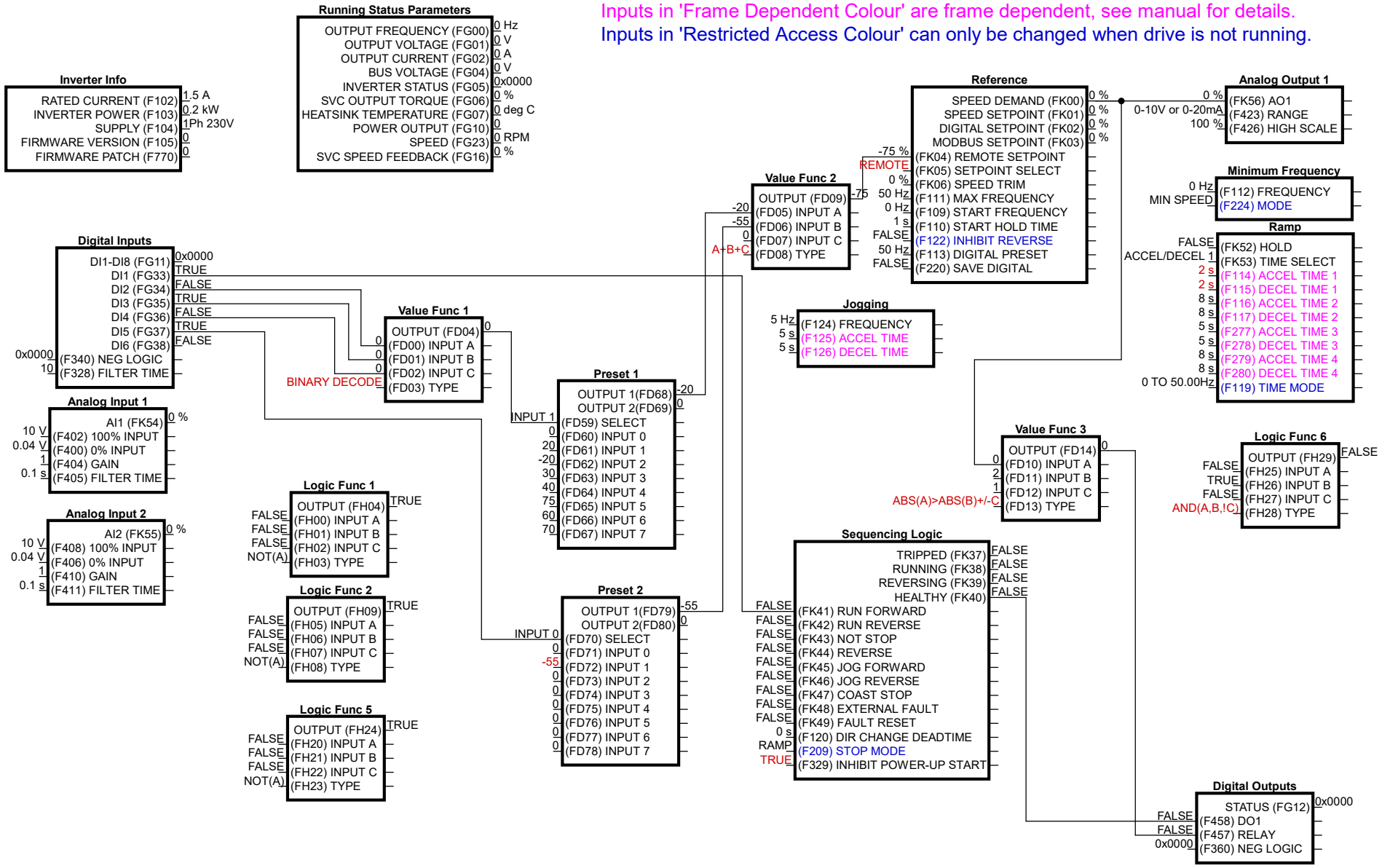


BASIC SPEED CONTROL

DWN			SIZE A	DWG. NO.	RFA
CHK		/1/obrot1.061	ISSUE		
APP			SCALE	SHEET	1 OF 6
EDIT	LOC				

Motor Control

DWN			SIZE A	DWG. NO.	RFA
CHK		/1/obrot1.061	ISSUE		
APP			SCALE	SHEET	2 OF 6
EDIT	LOC				

Trips and Protection

Fault History

[NEWEST] FAULT 1 (F708)	NONE
FREQUENCY 1 (F711)	0 Hz
CURRENT 1 (F712)	0 A
VOLTAGE 1 (F713)	0 V
FAULT 2 (F709)	NONE
FREQUENCY 2 (F714)	0 Hz
CURRENT 2 (F715)	0 A
VOLTAGE 2 (F716)	0 V
[OLDEST] FAULT 3 (F710)	NONE
FREQUENCY 3 (F717)	0 Hz
CURRENT 3 (F718)	0 A
VOLTAGE 3 (F719)	0 V
OVER CURRENT COUNT (F720)	0
OVER CURRENT 1 COUNT (F739)	0
OVER VOLTAGE COUNT (F721)	0
OVER TEMPERATURE COUNT (F722)	0
OVERLOAD COUNT (F723)	0

V/Hz Protection

DISABLED	(F607) PROTECTION MODE
160 %	(F608) CURRENT LIMIT
130 %	(F609) VOLTAGE LIMIT
60 s	(F610) PROTECTION TIMEOUT

Current Limit SVC

2	(F822) CURRENT LIMIT

Overcurrent 1 Protection

TRUE	(F737) ENABLE TRIP
2.5	(F738) TRIP LEVEL

Motor Overload Protection

MODE 1	(F753) MODE
80 %	(F705) WARNING TIME
100 %	(F707) CURRENT LEVEL
60	(F750) MAX TIME

Inverter Overload Protection

80 %	(F704) WARNING TIME
150 %	(F706) CURRENT LEVEL

Analog Input Break Protection

DISABLED	(F741) MODE
50 %	(F742) TRIP THRESHOLD

Input Phase Loss Protection

TRUE	(F724) ENABLE TRIP
0.5 s	(F728) FILTERING TIME CONSTANT

Output Phase Loss Protection

FALSE	(F727) ENABLE TRIP

Under Voltage Protection

200 V	(F732) TRIP THRESHOLD
5 s	(F729) FILTERING TIME CONSTANT

Over Temperature Protection

TRUE	(F726) ENABLE TRIP
5 s	(F730) FILTERING TIME CONSTANT
80 %	(F745) WARNING THRESHOLD
TRUE	(F747) AUTO-ADJUST SWITCHING FREQ
RUNNING STATE	(F702) FAN CONTROL

Auxiliary Functions

DC Braking

	BRAKING THRESHOLD (F611)	0 V
DISABLED	(F600) MODE	
1 Hz	(F601) INITIAL FREQUENCY	
10 %	(F602) STARTING EFFICIENCY	
10 %	(F603) STOPPING EFFICIENCY	
0.5 s	(F604) STARTING TIME	
0.5 s	(F605) STOPPING TIME	
80 %	(F612) BRAKING DUTY RATIO	
TRUE	(F622) AUTO DUTY RATIO	

Flycatching

DISABLED	(F613) FUNCTION
FROM MAX FREQUENCY	(F614) MODE
20	(F615) RATE
60 s	(F619) FAULT TIMEOUT
100	(F627) CURRENT LIMITING

Auto-Start

FALSE	(F213) AFTER REPOWERED
FALSE	(F214) AFTER FAULT RESET
60 s	(F215) START DELAY TIME
0	(F216) MAX RETRIES
3 s	(F217) RESET DELAY TIME

VDC Adjustment

DISABLED	(F631) MODE
380 V	(F632) TARGET VOLTAGE

High-Frequency Performance

MODE 1	(F650) MODE
100	(F651) ENABLE FREQUENCY
95	(F652) DISABLE FREQUENCY

DWN			SIZE A	DWG. NO.	RFA
CHK		/1/obrot1.061	ISSUE		
APP			SCALE	SHEET	3 OF 6
EDIT	LOC				

Multi-stage Speed Control

Multi-Stage Speed Control

	OUTPUT (FK50)	0 %
NONE	(FK51) STAGE SELECT	
15 STAGE	(F500) TYPE	
5 Hz	(F504) FREQUENCY 1	
FORWARD	(F549) DIRECTION 1	
5 s	(F519) ACCEL TIME 1	
5 s	(F534) DECEL TIME 1	
10 Hz	(F505) FREQUENCY 2	
FORWARD	(F550) DIRECTION 2	
5 s	(F520) ACCEL TIME 2	
5 s	(F535) DECEL TIME 2	
15 Hz	(F506) FREQUENCY 3	
FORWARD	(F551) DIRECTION 3	
5 s	(F521) ACCEL TIME 3	
5 s	(F536) DECEL TIME 3	
20 Hz	(F507) FREQUENCY 4	
FORWARD	(F552) DIRECTION 4	
5 s	(F522) ACCEL TIME 4	
5 s	(F537) DECEL TIME 4	
25 Hz	(F508) FREQUENCY 5	
FORWARD	(F553) DIRECTION 5	
5 s	(F523) ACCEL TIME 5	
5 s	(F538) DECEL TIME 5	
30 Hz	(F509) FREQUENCY 6	
FORWARD	(F554) DIRECTION 6	
5 s	(F524) ACCEL TIME 6	
5 s	(F539) DECEL TIME 6	
35 Hz	(F510) FREQUENCY 7	
FORWARD	(F555) DIRECTION 7	
5 s	(F525) ACCEL TIME 7	
5 s	(F540) DECEL TIME 7	
40 Hz	(F511) FREQUENCY 8	
FORWARD	(F556) DIRECTION 8	
5 s	(F526) ACCEL TIME 8	
5 s	(F541) DECEL TIME 8	
5 Hz	(F512) FREQUENCY 9	
FORWARD	(F573) DIRECTION 9	
5 s	(F527) ACCEL TIME 9	
5 s	(F542) DECEL TIME 9	
10 Hz	(F513) FREQUENCY 10	
FORWARD	(F574) DIRECTION 10	
5 s	(F528) ACCEL TIME 10	
5 s	(F543) DECEL TIME 10	
15 Hz	(F514) FREQUENCY 11	
FORWARD	(F575) DIRECTION 11	
5 s	(F529) ACCEL TIME 11	
5 s	(F544) DECEL TIME 11	
20 Hz	(F515) FREQUENCY 12	
FORWARD	(F576) DIRECTION 12	
5 s	(F530) ACCEL TIME 12	
5 s	(F545) DECEL TIME 12	
25 Hz	(F516) FREQUENCY 13	
FORWARD	(F577) DIRECTION 13	
5 s	(F531) ACCEL TIME 13	
5 s	(F546) DECEL TIME 13	
30 Hz	(F517) FREQUENCY 14	
FORWARD	(F578) DIRECTION 14	
5 s	(F532) ACCEL TIME 14	
5 s	(F547) DECEL TIME 14	
35 Hz	(F518) FREQUENCY 15	
FORWARD	(F579) DIRECTION 15	
5 s	(F533) ACCEL TIME 15	
5 s	(F548) DECEL TIME 15	

Multi-Stage Auto Circulate

7	(F501) STAGES
0	(F502) CYCLES
FALSE	(F503) KEEP RUNNING
1 s	(F557) RUNNING TIME 1
0 s	(F565) STOP TIME 1
1 s	(F558) RUNNING TIME 2
0 s	(F566) STOP TIME 2
1 s	(F559) RUNNING TIME 3
0 s	(F567) STOP TIME 3
1 s	(F560) RUNNING TIME 4
0 s	(F568) STOP TIME 4
1 s	(F561) RUNNING TIME 5
0 s	(F569) STOP TIME 5
1 s	(F562) RUNNING TIME 6
0 s	(F570) STOP TIME 6
1 s	(F563) RUNNING TIME 7
0 s	(F571) STOP TIME 7
1 s	(F564) RUNNING TIME 8
0 s	(F572) STOP TIME 8

Other

Raise/Lower

	OUTPUT (FK28)	0 %
FALSE	(FK29) RAISE	
FALSE	(FK30) LOWER	
FALSE	(FK31) RESET	
10 s	(FK32) RAMP TIME	
100 %	(FK33) MAX VALUE	
0 %	(FK34) MIN VALUE	
0 %	(FK35) RESET VALUE	

PID

	OUTPUT (FK10)	0 %
	ERROR (FK11)	0 %
	LIMITING (FK12)	FALSE
0 %	(FK13) SETPOINT	
0 %	(FK14) FEEDBACK	
0 %	(FK15) FEED FORWARD	
1	(FK16) FEEDBACK GAIN	
0	(FK17) FEED FORWARD GAIN	
0.1	(FK18) P GAIN	
1	(FK19) I GAIN	
0	(FK20) D GAIN	
300 %	(FK21) LIMIT	
-300 %	(FK22) LOW LIMIT	
TRUE	(FK23) SYMMETRIC LIMITS	
FALSE	(FK24) ENABLE PID	
FALSE	(FK25) INTEGRAL DEFEAT	
0.05 s	(FK26) D FILTER TC	
1	(FK27) OUTPUT SCALING	

Analog Input 1 Scaling

	AI1 RAW (F331)	0 %
2	(F403) HIGH SCALE	
1	(F401) LOW SCALE	
0 V	(F418) ZERO DEADZONE	
STRAIGHT LINE	(F460) LINEARISATION	
2 V	(F462) VOLTAGE 1	
1.2	(F463) SCALE 1	
5 V	(F464) VOLTAGE 2	
1.5	(F465) SCALE 2	
8 V	(F466) VOLTAGE 3	
1.8	(F467) SCALE 3	

Analog Input 2 Scaling

	AI2 RAW (F332)	0 %
2	(F409) HIGH SCALE	
1	(F407) LOW SCALE	
0 V	(F419) ZERO DEADZONE	
STRAIGHT LINE	(F461) LINEARISATION	
2 V	(F468) VOLTAGE 1	
1.2	(F469) SCALE 1	
5 V	(F470) VOLTAGE 2	
1.5	(F471) SCALE 2	
8 V	(F472) VOLTAGE 3	
1.8	(F473) SCALE 3	

Analog Input Filter

10	(F437) WIDTH

Keypad

0x000F	(F131) RUN DISPLAY ITEMS
0x0006	(F132) STOP DISPLAY ITEMS
DISABLED	(F643) MULTI-FUNCTION KEY
100 s	(F646) BACKLIGHT TIME
REMOTE IF FITTED	(F421) SELECT

Modbus

	ACTIVITY (F908)	0
0 s	(F905) TIMEOUT	
TRUE	(F219) DISABLE SAVE	

Password

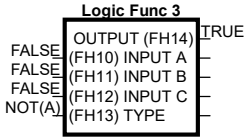
FALSE	(F107) ENABLE
8	(F108) SET

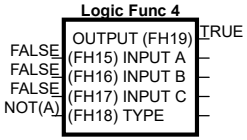
Clone

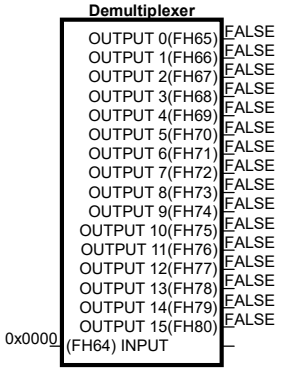
	CODE (F639)	0
SAME ONLY	(F638) LOAD ALLOW	
TRUE	(F640) EXCLUDE MOTOR PARAMS	

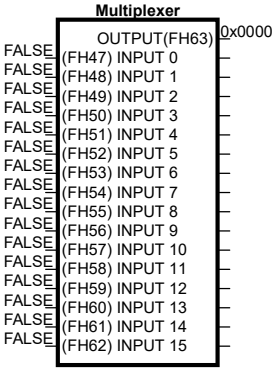
	DWN			SIZE A	DWG. NO. RFA
	CHK		/1/obrot1.061	ISSUE	
	APP			SCALE	SHEET 4 OF 6
	EDIT	LOC			

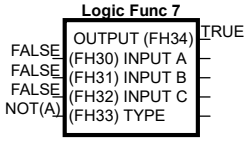
General Purpose Blocks

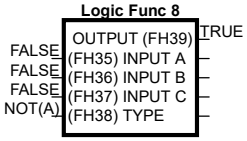


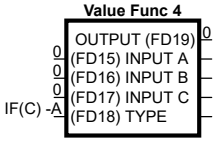


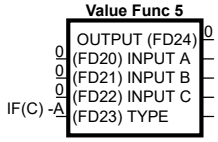


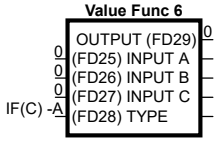


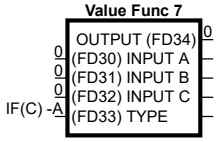


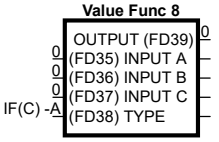


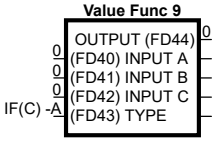


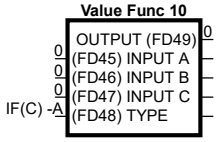








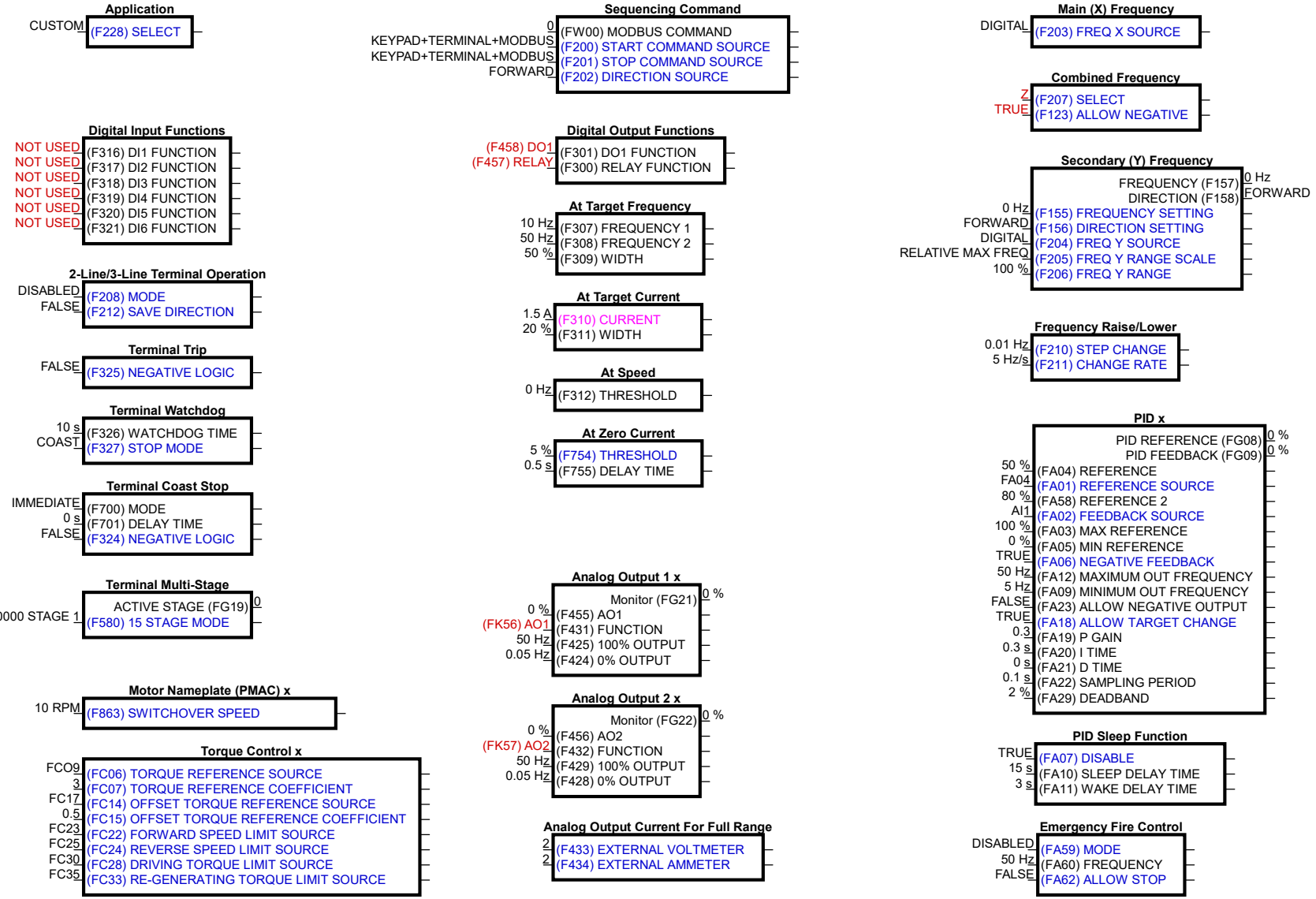




	DWN			SIZE A	DWG. NO. RFA
	CHK		/1/obrot1.061	ISSUE	
	APP			SCALE	SHEET 5 OF 6
	EDIT	LOC			

Deprecated Blocks

Avoid using theses blocks, their functionality has been superseded and only are included in order to provide backward compatibility.



	DWN			SIZE A	DWG. NO. RFA
	CHK		/1/obrot1.061	ISSUE	
	APP			SCALE	SHEET 6 OF 6
	EDIT	LOC			