SNC·LAVALIN	SETTINGS SHEET SOFT STARTER	Page 1 of 2 ID: MSS-P-F01

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

BANNATYNE FLOOD PUMPING STATION
2023 UPGRADES
SOFT STARTER SETTING LETTER
FLOOD PUMP
P-F01

City Document Number: 5-0118F-E0001-001

Professional Seal

PROVINCE OF MANITOBA
M. SARIC
Member
46571
REGISTERED PROFESSIONAL ENGINEER
2023-03-02

REV 00

Rev	Description	Date	Created By	Checked By	Approved By
00	ISSUED FOR CONSTRUCTION, TENDER 167-2023	2023-03-02	M. Saric	B. Cleven	B. Cleven

S.S. Data					
	Control Schematics:	1-0118F-E0013-001			
	Size:	125 HP @ 575 VAC	Voltage:	600 VAC	Nominal Output Current: 140 Amps
	Manufacturer:	Schneider Electric	Model:	ATS480C14Y	Control Voltage: 120 VAC

P-F01 Motor Data					
	Size:	125 HP	Voltage:	550 V	R.P.M: 695
	Manufacturer:	English Electric	FLA:	126 Amps	S.F.: -

Parameter			Description	Set Point	Note	Rev.
MPA			**Motor Parameters**			
	IN		Motor Nom Current	0.9 x ICL (126 Amps)	1	
	ILT		Current Limit	400		
	ULN		Mains Voltage	585	1	
	FRC		Mains Frequency	AUTO		
LLC			**Mains Contactor Command**			
	LLC		Mains Contactor	NO		
	LCT		Mains V. Time Out	5		
MWMT			**Motor Wiring**			
	DLT		Inside Delta	NO		
PRF			**Preheating**			
	PRHA		Preheating Assign	NO		
SSP			**Start & Stop**			
	CLP		Control Mode	TC		
	ACC		Acceleration	5	1	
	TQ0		Init Starting Torque	50	1	
	BST		Boost	NO		
	STT		Type of stop	F		
	FFSA		Freewheel Assign	NO	1	
	TLI		Torque Limit	NO		
	LSC		Stator loss comp	50		
CSC			**Cascade**			
	CSC		Cascade	NO		
	CSCA		Cascade DI Assign	NO		
SMOE			**Smoke Extraction**			
	INH		Disable Error Detect	NO		
CCP			**Command Channel**			
	CHCF		Control Mode	SE8		
	CCS		Command Switching	CD1		

	CD1		Command Channel 1	TER		
	CD2		Command Channel 2	MDB		
	COP		Copy Ch1-Ch2	NO		
	FLO		Forced Local Assign	LI4		
	FLOC		Forced Local Chan	TER		
	FLOT		Time-out force Local	10s		
CSWM			**Error/Warning Handling**			
	ETF		External Error			
		ETF	Ext Error Assign	NO		
		LET	Ext Error Condition	HIGH		
	ATR		Auto Fault Reset	YES	1	
	TAR		Fault Reset Time	5		
	INH		Disable Error Detect	NO		
	RP		Product Restart	NO		
	RST		Fault Reset			
		RSF	Fault Reset Assign	NO		
		RSFT	Th Error Reset Assign	NO		
	CLB		Control Supply Loss	0		
IO			**Input/Output**			
	L3A		Digital input, customizable	NO	1	
	L4A		Digital input, customizable	NO	1	
	DO1		DQ1 Configuration			
		DO1	DQ1 Assign	NO	1	
		DO1S	DQ1 Active at	POS		
	DO2		DQ2 Configuration			
		DO2	DQ2 Assign	NO	1	
		DO2S	DQ2 Active at	POS		
	AI1		AI1 Configuration			
		AI1A	AI1 assignment	NO		
		AI1T	AI1 Type	PTC		
		AI1F	AI1 Filter	0		
	AO1		AQ1 Configuration			
		AO1	AQ1 assignment	NO	1	
		AO1S	Voltage / Current Control	200%		
		AO1T	Type of signal applied to AO1	0A		
		AOL1	AQ1 min output	0 mA		
		AOH1	AQ1 max output	20mA		
		ASH1	Scaling AQ1 max	0%		
		AO1F	AQ1 Filter	0s		
	R1		R1 Configuration			
		R1	R1 Assignment	FLT		
	R3		R3 Configuration			
		R3	R3 Assignment	RUN		
		R3S	R3 Active at	POS		
		R3H	R3 Holding time	0 ms		

Notes

1. Change from Default Value.
2. The Contractor is responsible for ensuring proper parameter values are utilized. SNC-Lavalin assumes no responsibility for incorrect parameter values that result in equipment damage.