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POWERFLEX 7 CLASS DRIVES DRAWING LIST

FILENAME	DRAWING DESCRIPTION	SHEET	FILEDATE
PF7_Title_Sheet	TITLE SHEET	0	2/1/2010
PF70_70EC_700S_Power	POWERFLEX 70/70EC/700S POWER	1	2/1/2010
PF700_700VC_750_Power	POWERFLEX 700/700VC/755 POWER	2	2/1/2010
PF7_Control_Power	CONTROL POWER	3	2/1/2010
PF7_Monitored_Safety_Relay	MONITORED SAFETY RELAY	4	1/29/2010
PF70_IO	PF70 DRIVE I/O	5	2/1/2010
PF70EC_IO	PF70EC DRIVE I/O	6	2/1/2010
PF700S_IO	PF700S DRIVE I/O	7	1/29/2010
PF700S_Encoder_Options	PF700S ENCODER OPTIONS	8	1/29/2010
PF700_700VC_IO	PF700/700VC DRIVE I/O	9	1/29/2010
PF750_IO_OPTION	PF750 DRIVE I/O OPTION	10	2/1/2010
PF750_Safe_Speed_Monitor	PF750 SAFE SPEED MONITOR OPTION	11	2/1/2010
PF750_SafeOff_And_Incremental_Encoders	PF750 SAFEOFF AND INCREMENTAL ENCODERS	12	2/1/2010
PF755_Universal_Encoder_Option	PF755 UNIVERSAL ENCODER OPTION	13	2/1/2010
PF753_IO	PF753 DRIVE I/O	14	2/1/2010
PF7_PLC_Comms	PLC COMMUNICATIONS	16	2/1/2010
PF7_PLC_IO	PLC I/O WIRING	17	2/1/2010
PF7_Ethernet_Switch	ETHERNET SWITCH	19	2/1/2010
PF7_Panel_Layout	PANEL LAYOUT	20	2/1/2010
PF7_Frames	PF7 SERIES OPEN TYPE FRAMES	21	2/1/2010
PF750_Frames	PF750 SERIES OPEN TYPE FRAMES	22	2/1/2010

Rockwell
Automation

ELECTRICAL REQUIREMENTS
FOR THE EQUIPMENT

SUPPLY VOLTAGE: XXXVAC, X PHASE, XXHZ
TOTAL CONNECTED HP: ____??____
TOTAL CONNECTED KVA: __?_____
TOTAL POWER FACTOR KVAR: ____??____
ESTIMATED FULL LOAD AMPS: ____??____
RUNNING FULL LOAD AMPS: _____??_
MAIN FUSE OR BREAKER: ____??____ AMPS
PLANT FUSE OR BREAKER: _____??_ AMPS
SHORT CIRCUIT WITHSTAND RATING: _??_____ AMPS

UTILITY REQUIREMENTS

AIR:	80	PSI	??	SCFM
STEAM:	N/A	LBS/HR	??	
WATER:	N/A	GPM	??	
COOLANT:	N/A	PSI	??	GPM
GAS:	N/A	PSI	??	CFM
EXHAUST:	N/A	CFM	??	

WIRING GUIDELINE

VOLTAGE	COLOR	TYPE	SIZE (Minimum)
XXXVAC	BLACK	MTW inside panel THHN outside panel	#XX AWG
120VAC	RED	MTW inside panel TFFN outside panel	#XX AWG #XX AWG
INTERLOCKS AND WIRING NOT CONTROLLED BY MAIN DISCONNECT	YELLOW	TFFN / THHN	#XX AWG
24VAC	BLUE w/RED TRACER	MTW inside panel TFFN outside panel	#XX AWG
24VDC (+)	BLUE	MTW inside panel TFFN outside panel	#XX AWG
24VDC (-)	WHITE w/BLUE -OR- BLUE w/WHITE TRACER	MTW inside panel TFFN outside panel	#XX AWG
24VDC INTERLOCKS AND WIRING NOT CONTROLLED BY MAIN DISCONNECT	YELLOW w/BLUE TRACER	TFFN / THHN	#XX AWG
GROUND	GREEN or GRN/YEL	MTW inside panel TFFN outside panel	#XX AWG
120VAC NUETRAL	WHITE	MTW inside panel TFFN outside panel	#XX AWG #XX AWG

MAIN ENCLOSURE TERMINAL

FIELD J-BOX TERMINAL

FIELD STATION TERMINAL

INTERNAL WIRING

CAD PART PF7_TITLE_SHEET.DWG

LAYERING
SELECT: ECHD

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POWERFLEX 7 CLASS
VARIABLE FREQUENCY DRIVES
TITLE SHEET

DWG NO
EXAMPLE WIRING

DWG REV
C

DWG DATE
XX/XX/X

DWG SHEET
0 OF 22

CAD