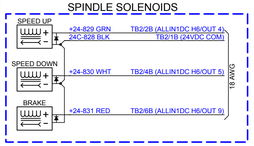
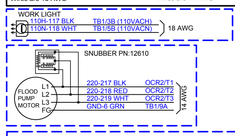
SPINDLE SOLENOIDS



NOTE 1

110VAC SPINDLE COOLING FAN
110H-122 BLK connects from CNT1/L1 to TB1/3A.
Wire 110H-123 BLK connects to CNT1/T1.
Wire 110N-124 WHT connects to TB1/7A.
Wires are 18 AWG

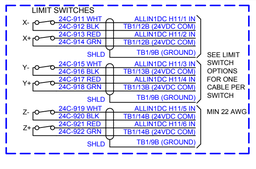
220VAC SPINDLE COOLING FAN
220-297 BLK connects from F3/LOAD to CNT1/L1. Wire 220-298 BLK connects to CNT1/T1. Wire 220-299 WHT connects to F4/LOAD.
Wires are 14 AWG



NOTE 2

110VAC LUBE PUMP
Wire 110H-126 BLK connects from TB1/2B to ALLIN1DC H6/OUT 2 COM.
Wire 110H-127 BLK connects to ALLIN1DC H6/OUT 2.
Wire 110N-128 WHT connects to TB1/5B.
Wire GND-4 GRN connects to TB1/8B.
Wires are 18 AWG

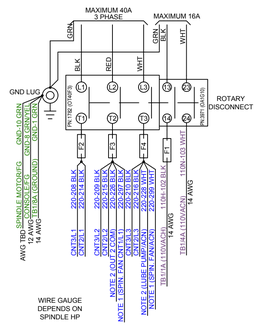
220VAC LUBE PUMP
220-226 BLK connects from F3/LOAD to ALLIN1DC H6/OUT 2 COM.
220-227 BLK connects to ALLIN1DC H6/OUT 2.
Wire 220-228 WHT connects to F4/LOAD.
Wire GND-4 GRN connects to TB1/8B.
Wires are 14 AWG

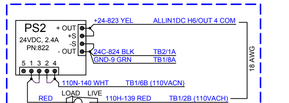


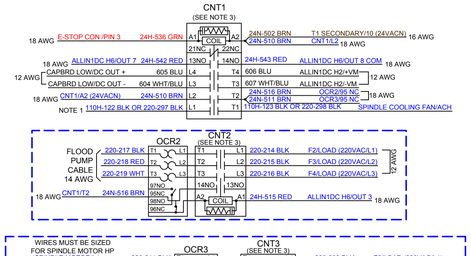
NOTE 3

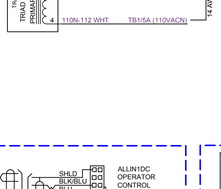
ALL CONTACTOR COILS REQUIRE A SNUBBER, EITHER CONTACTOR MANUFACTURERS RECOMMENDED SNAP ON SNUBBER OR CENTROID PN:1819 EXTERNAL QUENCHARC SNUBBER.

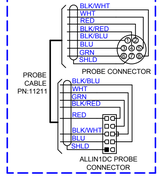
PART	(MFG PN:)	LOCATION
ALLIN1DC	(PN:11144)	E2-F4
CAPBRD LOW	(PN:10766)	D3,D4
CNT1	(PN:14374)	B3
CNT2	(PN:14377)	B3
CNT3,4	(PN:14375)	B3,B4
CONSOLE OPTIONS		B5-D6
DC1	(PN:11112)	G1-H2
DISCONNECT	(OT40F3)	B1
DISCONNECT, AUX	(OA1G10)	B1
DOOR FAN		F5
E-STOP CONNECTOR		D5
E-STOP CON. CONSOLE		D6
E-STOP CON. PENDANT		E6
E-STOP SWITCH		D5
E-STOP SWITCH CONSOLE		D6
E-STOP SWITCH PENDANT		E6
F1,F2,F3,F4		B1
F5		D3
F6		B2
FLOOD PUMP MOTOR		A2
FUSE TABLE		G6
GROUND LUG		B1
HIGH-LOW RANGE SWITCH		A1
LIMIT SWITCHES		A3
LIMIT SWITCH OPTIONS		F6,G6
LUBE PUMP		A3
MPG CABLE		B5-D6
NOTE 1		A2
NOTE 2		A3
NOTE 3		A4
NUC	(PN:8520)	B6
OCR2	(LR2K0310)	B3
OCR3	(LRD21)	B3
OPERATOR CONTROL PANEL		E6
PC	(PN:11084)	C6
PROBE CABLE	(PN:11211)	C1
PS1	(RQ-65D)	B4
PS2	(PN:822)	B2
SPINDLE BRAKE RELEASE		A1
SPINDLE COOLING FAN		A2
SPINDLE MOTOR		A1
SPINDLE SOLENOIDS		A1
T1	(PN:2652)	B4
TB1		D2,D3
TB2		E5
WORK LIGHT		A2











LOCATED UNDER ALLIN1DC
TB1/2A (110VACH)
TB1/5A (110VACN)
110H-111 BLK
110N-113 WHT
14 AWG
12000uF
AC IN
DC OUT
CAPBRD LOW
PN:10766
605 BLU
607 WHT/BLU
CNT1/L4 +VM (156VDC)
ALLIN1DC H2/-VM
12 AWG
BRIDGE RECTIFIED DC MOTOR VOLTAGE (INPUT)VAC X 1.414 = (OUTPUT)VDC
110VAC = 156VDC
117VAC = 165VDC
120VAC = 170VDC
125VAC = 177VDC
RECTIFIED DC MOTOR VOLTAGE MUST NOT EXCEED SERVO MOTOR VOLTAGE RATING
PS1
MEANWELL RQ-65D
POWER SUPPLY PN:8366
+5V
COM (ALL)
(+12V) +V2
(24V) V3
(-12V) -V4
ACG
ACN
ACL
RED
DC1/H4 +5VDC
ALLIN1DC H1/PIN 4
BLK
DC1/H4 DC COM
GRN
DC1/H4 DC COM
24C-850 BLK
TB1/2A
BLK
ALLIN1DC H1/PIN 5
GRN
PS1/ACG
WHT
DC1/H4 +12VDC
YEL
ALLIN1DC H1/PIN 1
+24-801 YEL
TB1/11A
BLU
ALLIN1DC H1/PIN 3
GRN
PS1/COM
GRN
ALLIN1DC H1/PIN 6
GND-2 GRN
TB1/8B (GROUND)
110N-107 WHT
TB1/4B (110VACN)
110H-106 BLK
TB1/1B (110VACH)
PN:13106 POWER CABLE
18 AWG
PN:12883 DC1 POWER CABLE