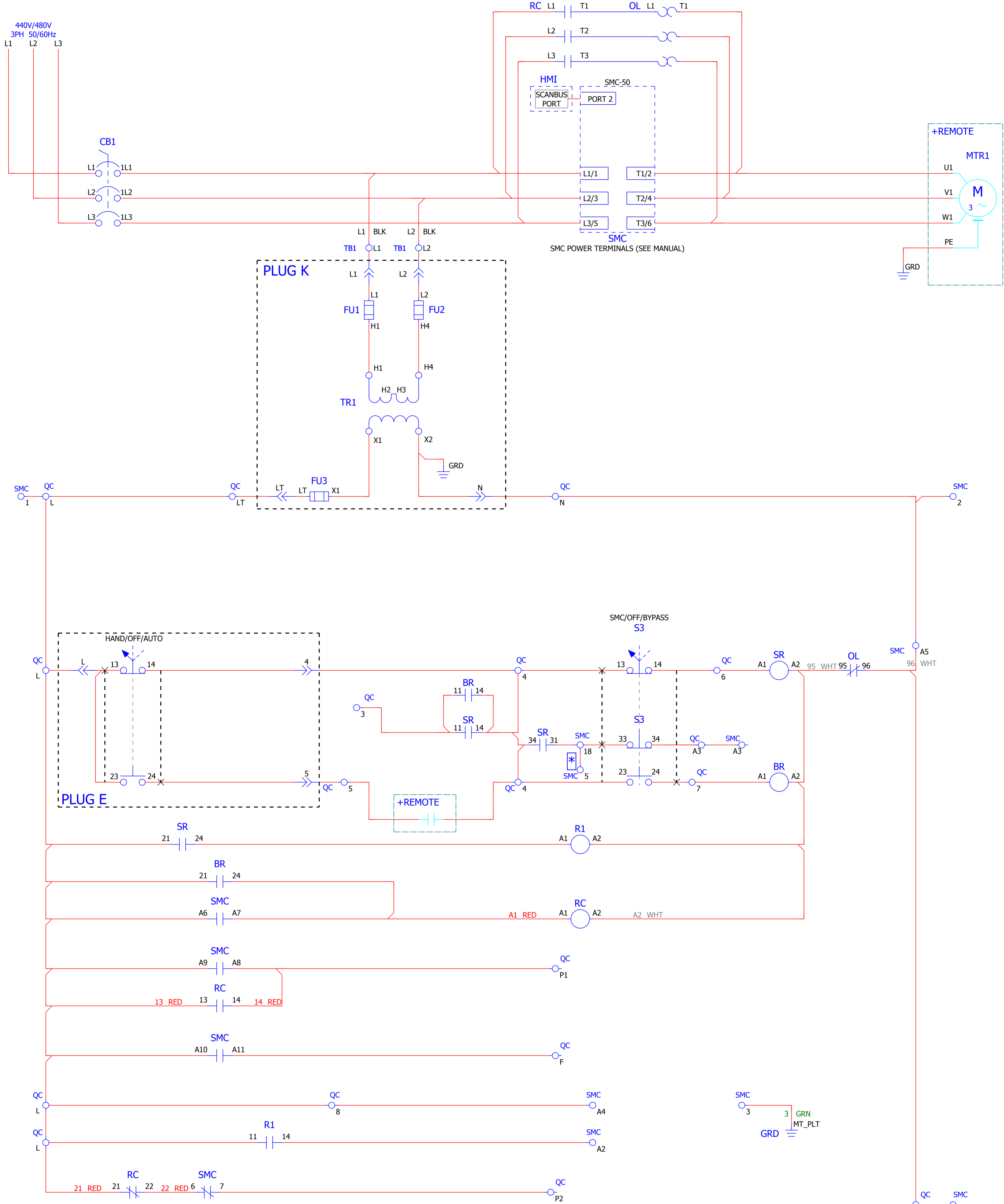



# 153S-D42JBD-D80-3-3B-6P-20E-BP-HC6



## NOTES:

- \* ADD JUMPER FROM TERMINAL BLOCK "18" TO TERMINAL BLOCK "5" WHEN USING DPI (-HC3 or -20\*) JUMPER IS INCLUDED IN RAIL IN TERMINAL BLOCK 18.
  - \* \* REMOVE PRE-INSTALLED YELLOW JUMPER BETWEEN TERMINAL BLOCK "L" AND TERMINAL BLOCK "8" WHEN USING AUX COMMAND DEVICE
  - 1 SMC FACTORY PRE-PROGRAMMED PARAMETERS; 2 RELAY FUNCTIONS;
    - A2=START. A3=COAST. A4=OPTION STOP
    - Product specific (not test setup ones):
    - PAR# 56 Disable 0
    - PAR# 57 Disable 0
    - PAR# 172 Aux1 Config to Ext Bypass 4
    - PAR# 176 Aux2 Config to Fault Normal (0)
    - PAR# 177 Enabled (1)
    - PAR# 230 (Upper) XXXX XXXX 0000 0010
    - PAR# 230 (Lower) 0000 0000 0000 0001
  - 3 USE 75°C CU WIRE ONLY
  - 4 LINE FUSES SUPPLIED BY CUSTOMER WHEN DISCONNECT SWITCH IS SUPPLIED. REFER TO NEC WHEN SELECTING SHORT CIRCUIT PROTECTION
  - 5 ADDITIONAL CONTROL CIRCUIT OVERCURRENT PROTECTION REQUIRED FOR NON-COMBINATION STARTERS. REFER TO NATIONAL ELECTRIC CODE.
- SMC50 I/O device parameters (150-SM4):
- With HIM and Communication Card installed In Port 00 SMC-50
  - PAR # 148 X000 0000 0001 0100
  - PAR # 3 Input 2 (A2) Start 1
  - PAR # 4 Input 3 (A3) Coast 2
  - PAR # 5 Input 4 (A4) Stop Option 3
  - PAR # 6 Aux1Cfg Ext Bypass 4
  - PAR # 10 Aux2Cfg Normal 0
  - Set PAR # 14 Aux3Cfg Fault 2
- Relay Functions:
- R1: PREVENT RACE CONDITION BETWEEN A3 & A2
  - BR 11-14: HOLD-IN CONTACT WITH START-STOP FOR BYPASS
  - SR 11-14: HOLD-IN CONTACT WITH START-STOP FOR SR RELAY (STARTS SMC)
  - SR 31-34: STARTS SMC WITH PILOT DEVICE (NO DPI PRESENT)
  - R1 11-14: SMC START COMMAND

| Wire Connector Torque  |                        |
|------------------------|------------------------|
| Line Terminal (Lb.In.) | Load Terminal (Lb.In.) |
| 380                    | 375                    |



## Rockwell Automation

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**Title:** SMC COMBO

**CATALOG NO.:** 153S-D42JBD-D80-3-3B-6P-20E-BP-HC6

**Drawn by:** AUTO\_GEN **Date:** 02/25/18 **Sheet:** 1 of 2 **Ver:** 00 **Size:** D