153S-D18JCD-D25-3-3B-BP-HC6

550V/600V
3PH 50Hz/60Hz
L1 L2 L3

CB1
L1 1L1
L2 1L2
L3 1L3

RC L1 T1 OL L1 T1
L2 T2
L3 T3

HMI
SCANBUS PORT
SMC-50
PORT 2

L1/1 T1/2
L2/3 T2/4
L3/5 T3/6
SMC

L1 BLK L2 BLK
TB1 L1 TB1 L2

+REMOTE
MTR1
U1
V1
W1
PE
M
3 ~
GRD

SMC POWER TERMINALS (SEE MANUAL)

SEPARATE CONTROL
4

SMC 1 QC L — QC LT — QC N — SMC 2

HAND/OFF/AUTO
PLUG E
QC L — L — 13 14 — 4
23 24 — 5 — QC 5

QC 4 — 13 14 — QC 6 — SR A1 A2 — 95 WHT 95 OL 96 — SMC A5 96 WHT

SMC/OFF/BYPASS
S3
13 14 — QC 6
33 34 — QC A3 — SMC A3
23 24 — QC 7

BR 11 14
SR 11 14
QC 3
SR 34 31 — SMC 18
* — SMC 5
QC 4

+REMOTE

SR 21 24 — R1 A1 A2
BR 21 24
SMC A6 A7 — A1 RED — RC A1 A2 — A2 WHT
SMC A9 A8 — QC P1
RC 13 RED 13 14 14 RED
SMC A10 A11 — QC F
QC L — QC 8 — SMC A4
QC L — R1 11 14 — SMC A2
RC 21 RED 21 22 22 RED — SMC 6 7 — QC P2

SMC 3 — 3 GRN MT_PLT — GRD

QC N — SMC A5

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;
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

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

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

3 USE 75ºC 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.

Wire Connector Torque	
Line Terminal (Lb.In.)	Load Terminal (Lb.In.)
88	275

CONFIDENTIAL AND PROPRIETARY INFORMATION:
THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION OF ROCKWELL AUTOMATION, INC., AND MAY NOT BE USED, COPIED OR DISCLOSED TO OTHERS, EXCEPT WITH THE AUTHORIZED WRITTEN PERMISSION OF ROCKWELL AUTOMATION, INC.

Rockwell Automation

Title: SMC COMBO

S.O.

CATALOG NO. 153S-D18JCD-D25-3-3B-BP-HC6

Drawn by: AUTO_GEN | **Date:** 01/26/18 | **Sheet:** 1 of 2 | **Ver:** 00 | **Size:** D