150S-D21JAD-3B-4RGA-BP-HC6

220V/240V
3PH 50Hz/60Hz
L1 L2 L3

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
SMC POWER TERMINALS (SEE MANUAL)

+REMOTE
MTR1
U1
V1
W1
PE
M
3
GRD

L1 BLK TB1 L1
L2 BLK TB1 L2

SEPARATE CONTROL
4

SMC 1 QC L — QC LT — QC N — SMC 2

QC L

SMC/OFF/BYPASS
S3
QC 4 — 13 14 — QC 6 — SR A1 A2 — 95 WHT 95 OL 96 — SMC A5 96 WHT

QC 3 — BR 11 14 — SR 11 14

SR 34 31 — SMC 18 — 33 34 S3 — QC A3 — SMC A3

SMC 5 — 23 24 — QC 7 — BR A1 A2

QC 5 — +REMOTE — QC 4

SR 21 24 — R1 A1 A2

BR 21 24

SMC A6 A7 — A1 RED — RC A1 A2 — A2 WHT

SMC A9 A8 — QC P1 — ON PL2 P1 X1 R X2 N — PLUG B — QC N

RC 13 RED 13 14 14 RED

SMC A10 A11 — QC F — FAULT PL3 F X1 A X2 N — PLUG D — QC N

QC L — QC 8 — SMC A4

SMC 3 — 3 GRN MT_PLT — GRD

QC L — R1 11 14 — SMC A2

RC 21 RED 21 22 22 RED — SMC 6 7 — QC P2 — OFF PL4 P2 X1 G X2 N — PLUG A — 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.)
275	275

Rockwell Automation

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Title: SMC NON COMBO

S.O.

CATALOG NO. 150S-D21JAD-3B-4RGA-BP-HC6

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