150S-D21JAD-3-3B-4R-6XP-BP-HC6

220V/240V
3PH 50/60Hz
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 L2 BLK
TB1 L1 TB1 L2

PLUG K
L1 L2
L1 L2
FU1 FU2
H1 H4
H1 H2
TR1
X1 X2
GRD

SMC 1 QC L
QC LT LT FU3 X1
N
QC N
SMC 2

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

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

SMC/OFF/BYPASS
S3
13 14
S3
33 34
23 24

QC 6
SR A1 A2 95 WHT 95 OL 96
96 WHT SMC A5

QC A3 SMC A3
BR A1 A2
QC 7

+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
ON
PL2
P1 X1 R X2 N
PLUG B
QC N

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

SMC 3 3 GRN MT_PLT
GRD

RC 21 RED 21 22 22 RED SMC 6 7
QC P2

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-3-3B-4R-6XP-BP-HC6

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