150S-D18JAD-3B-6P-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 LT FU3 X1
N
QC N
SMC 2

SMC/OFF/BYPASS
S3

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

QC 3
BR 11 14
SR 11 14
SR 34 31
SMC 18
SMC 5
33 34
QC A3
SMC A3
23 24
QC 7
BR A1 A2

QC 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.)
275	275

Rockwell Automation

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Title: SMC NON COMBO

S.O.

CATALOG NO. 150S-D18JAD-3B-6P-BP-HC6

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