

- ①. SHOP TO CONNECT PER VOLTAGE SPECIFIED.
- ②. CHFU NOT REQUIRED FOR 45VA CCT.

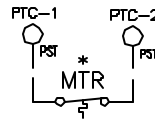
CONNECTION TORQUE: CONSULT SOFT STARTER MANUAL FOR WIRE TORQUE SPECIFICATIONS.

**PST NOTES:**

1. PROG. INPUT In0 FACTORY SET FOR RESET FAULT/OL.
2. PROG. RELAY K4 FACTORY SET FOR RUN.
3. PROG. RELAY K5 FACTORY SET FOR AT SPEED.
4. PROG. RELAY K6 FACTORY SET FOR EVENT.
5. FUNCTION MOT 1 le MUST BE SET TO MOTOR FLA.
6. IF EQUIPPED, SET EXTERNAL BYPASS = YES\*

LEGEND	
CCT	CONTROL CIRCUIT TRANSFORMER
CHFU	CCT PRIMARY FUSE
CXFU	CCT SECONDARY FUSE
B	BYPASS CONTACTOR
PTC	THERMISTOR
o 13	CONN POINT ON DEVICE WITH NUMBER
*	REMOTE DEVICE
⊗	CONNECTION POINT AT TERMINAL BLOCK

SOFTSTARTER WITHSTAND RATING	
PST30-142	10 kA 600 V
PST175-300	18 kA 600 V



**NOTES**

1. ALL CONTROL WIRING TO BE 14 GA. COLOR OF CONTROL WIRE SHALL BE PER VOLTAGE ON CONTACTOR COILS:

RED-ALL AC VOLTAGES  
WHITE MAY BE USED ON THE GROUNDED SIDE OF THE AC CIRCUIT IF SPECIFIED.

BLUE-ALL DC VOLTAGES

2. ALL DEVICES ARE SHOWN DE-ENERGIZED.
3. DO NOT USE SELECTOR SWITCHES WITH AUTO-RESET OVERLOAD RELAYS.
4. PILOT/PROTECTIVE DEVICE BOX WILL BE CHECKED IF MODEL EQUIPPED WITH OPTION. IF NO OPTIONS ARE INSTALLED, BOX MARKED "NONE" WILL BE CHECKED.
5. PIN NUMBERS IN PARENTHESIS ARE COMPACT PILOT DEVICES.

**PILOT DEVICES**

NONE

SELECTOR SWITCHES

STOP START  
13 14  
Vp 10  
WIRE THIS SECTION 14 BLUE

STOP HAND OFF AUTO  
13 23 24  
Vp 10  
WIRE THIS SECTION 14 BLUE

3-WIRE CONTROL

START START  
13 14  
STOP STOP  
21 22  
Vp 10  
WIRE THIS SECTION 14 BLUE

INDICATING LIGHTS

RUN  
L 1 13 14 X2  
N Z O

REMOTE STOP

STOP  
8 10 11  
Vp 10 OR 11  
PROGRAM IN0 FOR ENABLE  
WIRE THIS SECTION 14 BLUE

REV. LET.	REVISIONS	DATE	REV OR APPD BY
H	BYP COIL WAS WIRED TO K4 RELAY	7/29/04	KBM
G	CHANGES PER DRAWING REVIEW	7/21/04	CDP
F	ADD REMOTE STOP, DEL ALT NUMBERS FOR COMPACT SEL SW	7/9/04	NJH
E	ADD WITHSTAND RATINGS	5/17/04	NJH
D	EXTERNAL WAS NONE	4/21/04	NJH
C	ADD PST NOTE 6	8/25/03	NJH
B	REVISED NOTE 4	8/7/03	NJH

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ABB Inc.

DATE	3/5/03
DRAWN	NJH
CHK'D	
PROJECT NO.	
SHEET	1 OF 1

REV.	H
SIZE	A

TITLE	SCHMATIC DIAGRAM- IN LINE PST 30-300 W/BYP
DRAWING NUMBER	D 2401 1320-003

CUST