Contactor Pilot Card
DS200CPCAG1AB

1.0 APPLICABLE DOCUMENTS

Elementary Diagram
Material List

2.0 EQUIPMENT

Digital Voltmeter
Variac

3.0 PROCEDURE

3.1 Verify that no shorts exist between adjacent traces.

3.2 Using the material list, verify that all parts shown on the silk-screen are present, and are assembled per the silk-screen.

3.3 Verify that all leads are properly soldered and connections are properly filleted and clipped.

3.4 Verify that MOV2 is a 230 vac device (marked 250LA40, 250L40 or 250LA40A).

3.5 Verify that both parts of 1TB (part with three screws and part mounted to fab) are present.

3.6 Verify MPL is mounted with flange toward 1TB.

3.7 Verify CR1 is mounted with notch toward MACPL.

3.8 Verify relay (K1) has a "hold on" clip.

4.0 POWER TEST

4.1 Connect variac between terminal CPH and terminal CPN and set for 10 vac.

4.2 Connect a 100K resistor (68A7035P100G) across MPL-1 and MPL-3.

4.3 Using DVM verify less than 0.1 vdc between MPL-1 (+ lead) and MPL-3 (- lead).

4.4 Apply 24 vdc between terminal PSP (+ lead) and terminal PSN (- lead).

4.5 Verify 10.4 - 11.4 vdc between MPL-1 (+ lead) and MPL-3 (- lead).

4. 6 Remove 24vdc source, DVM should return to less than 0.1 vdc.

4.7 If card passes all the above tests apply proper stamps.

DISTRIBUTION LIST: PWA TEST

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5.0 SCOPE

5.1 Steps 4.1 - 4.7 verifies that K1 and CR1 function correctly, by applying 10 vac to CR1 and checking for no output. Then we apply 24 vdc to the coil and verify that the relay contacts pick up.

REV	INIT	DESCRIPTION OF FAILURE	DATE
01	adm	MOV1 Replaced W/series Diode/Zener back to back:	12/17/93
02	awe	MOV2 Part number changed	04/04/94
03	jjw	Retyped with Rev. 1 & 2 included	04/04/94
04	awe	Changed limits after puting load across output	05/24/95