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भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
लखनऊ - 226011
Government of India - Ministry of Railways
Research, Designs & Standards Organization,
LUCKNOW - 226011

SNo-4440

No. EL/3.1.3

Date: 30 - 07 - 2004

Modification Sheet No. ELRS/MS/0330(Rev. 0)

1.0 Title:

Provision of CTF3 contact in C145 circuit.

2.0 Object:

Railways have reported several cases of burning of ATFEX winding just after changing from Dynamic Braking Mode to Traction Mode. Sometimes C145 contactor remains closed even on Traction Mode because of malfunctioning of its auxiliary N/C interlock on C145 branch, which remains closed.

To eliminate this problem it has been decided to provide N/O interlock of CTF3 (closed in Braking Mode) before the final supply to C145, this ensures that C145 will close in Braking Mode only.

3.0 Work to be carried out:

Connect one CTF3 auxiliary N/O interlock, which is already available as spare, in the circuit of C145 Contactor as shown in enclosed drawing no. SKEL: 4684.

4.0 Application:

All locomotive equipped with Dynamic Braking.

5.0 Material Required:

2.5 mm² Cable - 2 meters (Approx)

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6.0 Material rendered surplus:

Nil

7.0 References:

- i. Sr. DEE (TRS), Electric Loco Shed, Kanpur, North Central Railway's Letter No. 230 – Elect/TRS/CNB/Tech – 56/514 Dated: 01 – 06 – 2004.
- ii. Sr. DEE (TRS), Electric Loco Shed, Asansol, Eastern Railway's Letter No. ELS/8/M/N Dated: 22 – 07 – 2004

8.0 Modification Drawing No.

SKEL : 4684


9.0 Agency for Implementation:

CLW, all POH shops and Electric Loco Sheds

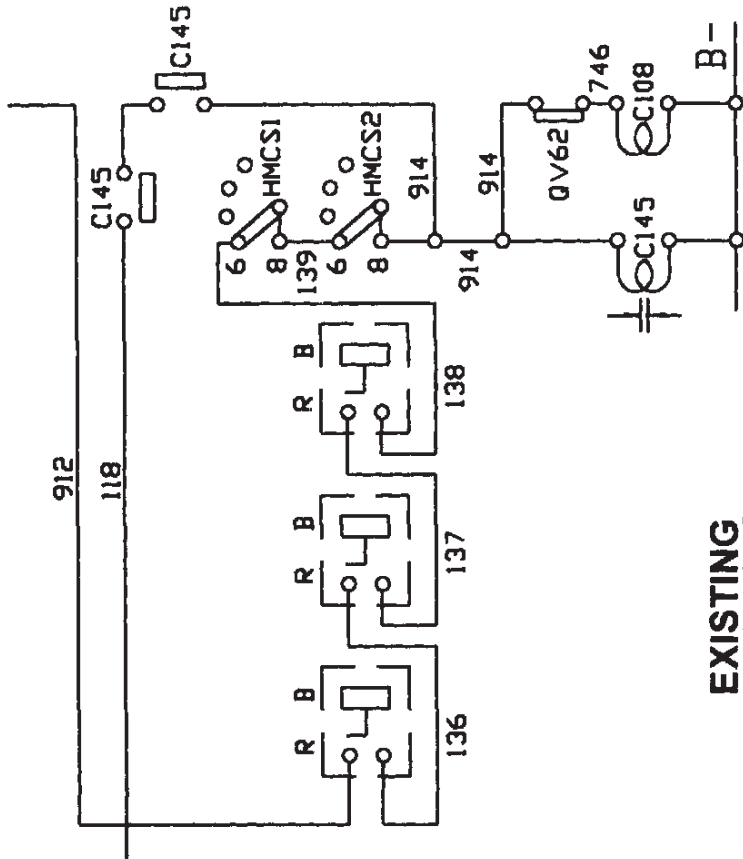
10.0 Distribution:

As per standard mailing list.

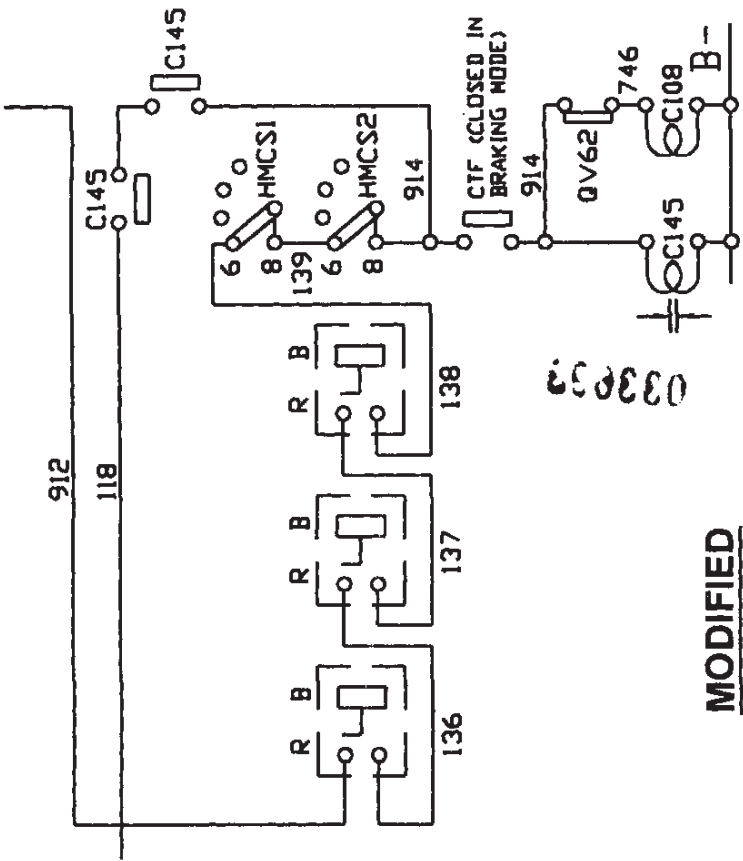
DA: RDSO's Drawing No. SKEL : 4684


(Ram Prakash)
for Director General (Elect)

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EXISTING



MODIFIED

REF. PART NO.	DESCRIPTION	DETAIL DRG. NO.	NDS.	MATL. SPEC.
REF: EL/3.1.3		SCALE:	APPROVED BY:	
MODIFICATION IN C145 CIRCUIT				
RD SO. ELECT. DTE.			SKE L : 4684	
			FIRST ISSUED:	
			SUPERSEDES:	
			SUPERSEDED BY:	