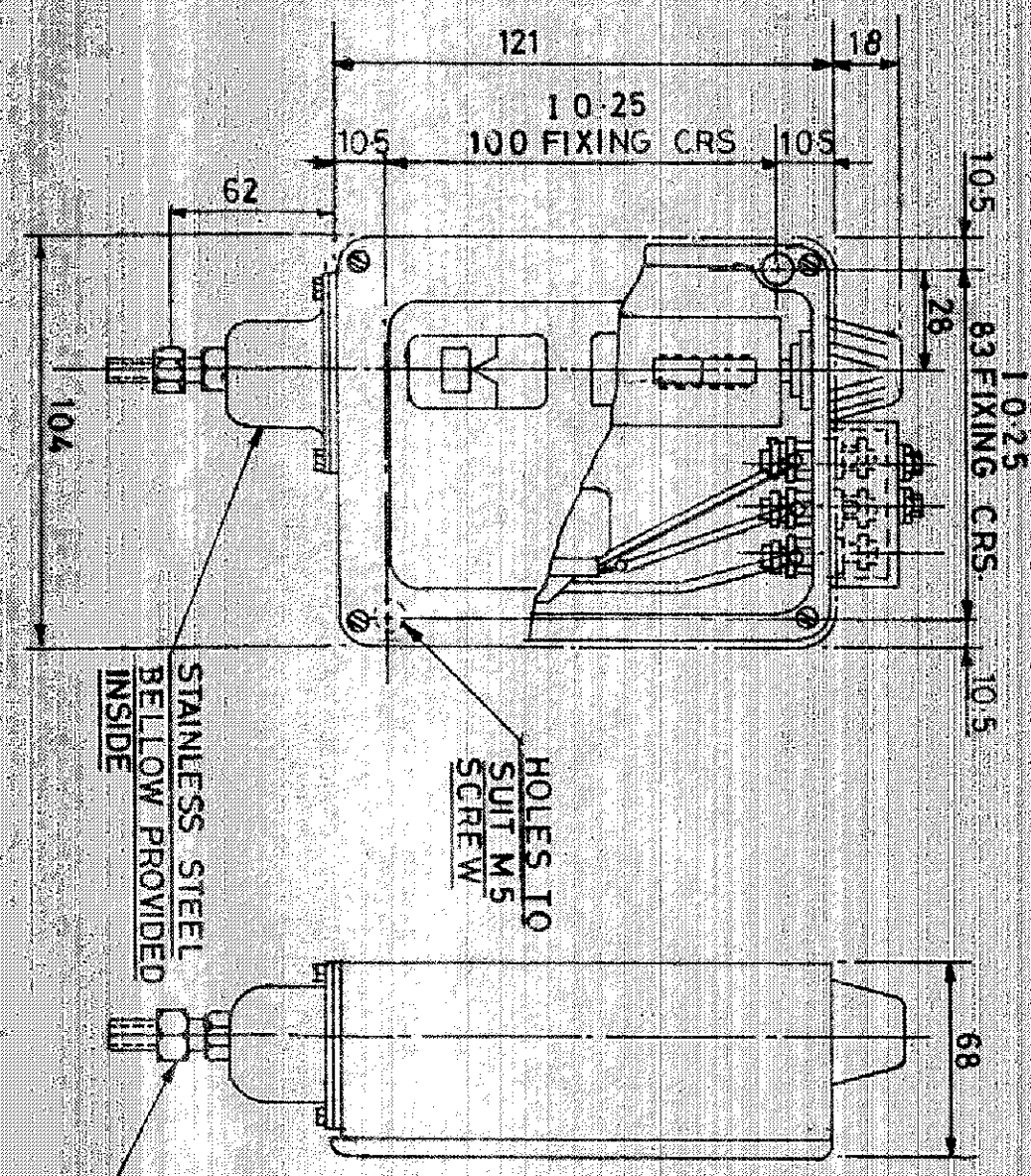


790 10 61 81.2 ON DRD

DIMNL TOL — AS PER CORP STD AA 023 02 08 COARSE GRADE UNLESS OTHERWISE STATED.



NOTES:

1. THESE PRESSURE SWITCHES ARE REQUIRED FOR USE ON ELECTRIC LOCOMOTIVE AND SHALL BE SUITABLE TO WITHSTAND VIBRATION ENCOUNTERED ON SUCH LOCOMOTIVES.
2. THE ELECTRICAL CONTACTS SHALL FULFILL THE FOLLOWING REQUIREMENTS.
(1) 10 AMP AC AT 250V & 2AMP DC INDUCTIVE LOAD AT 110V DC, R-100 RATING.
(2) SNAP ACTION CHANGE OVER ONE NO & NC CONTACTS.
(3) CONTACT PRESSURE ABOUT 25 GRAMS.
(4) INSULATION LEVEL— SHOULD WITHSTAND 2KV AT 50 CYCLES FOR ONE MINUTE.
(5) CONNECTION TERMINAL— M4/M5 WITH NUTS AND SPRING WASHER FOR CONNECTING CABLE SOCKETS OF 3MM² SIZE.
(6) CABLE ENTRY— PLAIN WITH SUITABLE RUBBER GROMMET.
3. THE SWITCHES SHALL FULLY FILL THE PRESSURE SETTING REQUIREMENT GIVEN IN THE TABLE AND SHALL BE PROVIDED WITH SEALING ARRANGEMENT AGAINST TEMPERING
4. SUPPLIERS IDENTIFICATION WITH MODEL NO. SYMBOLS, CUT IN AND CUT OUT PRESSURES SHOULD BE INDICATED ON EACH PRESSURE SWITCH.
5. TYPE TEST— (1) INSULATION TEST— NOT LESS THAN 5MEG OHMS BET LIVE PARTS & EARTH BY A 500V - MEGAR.
(11) OPERATING RANGE— 20 OPERATIONS EACH AT MIN. MAX. SETTING OF RANGE OF ADJUSTMENT
(111) DIELECTRIC TEST— 10 WITH STAND 2KV AT 50 CYCLES FOR ONE MINUTE.
(1111) ENDURANCE TEST— ELECTRICAL ENDURANCE TEST FOR 30,000 OPERATIONS WITH AT INDICATED LOAD OF 2 AMPS DC AT 110V (R-100) AND SHALL CONTINUE WITH OUT LOAD FOR 10,000.00 OPERATIONS FOR MECH. ENDURANCE TEST
6. ROUTINE TEST— EACH SWITCH SHALL BE TESTED FOR CORRECT PRESSURE SETTING CALLED FOR IN THE ORDER & SEALED
7. DEVIATION— ANY DEVIATION FROM THE DRG WILL BE CONSIDERED IF ACCOMPANIED BY JUSTIFICATION FOR THE SAME
8. GUARANTEE— 18 MONTHS FROM DATE OF SUPPLY OR 12 MONTHS FROM DATE OF COMMISSIONING AGAINST DEFECTIVE MATERIAL / WORKMANSHIP
9. SPECIAL CONDITION— ONCE A PROTOTYPE IS APPROVED FIRM WILL NOT CHANGE SOURCE SUPPLY OF COMPONENT WITH OUT BHEL APPROVAL
10. PRESSURE SWITCHES ARE TO BE PROCURED WITH OUT PRESSURE SETTING, FINAL SETTING IS TO BE DONE IN SHOP FLOOR DURING ASSEMBLY.

STYLE NO. (WAG-7) NO.	ITEM NO.	SYMBOLS	MEDIUM	DANFOSS MODEL NO.	DIFFERENTIAL PRESSURE IN KG/CM ²	CUT OUT PRESSURE IN KG/CM ²	RANGE OF ADJUSTMENT	USED FOR LOCOS
709057	001	RGP (COMPRESSOR GOVERNOR)	AIR	RT-5X	1kg/cm ² 7.5 ± 0.1	8 ± 0.1	2 TO 17	WAG 4
709102	002	QPD (INTERLOCK FOR CIRCUIT BREAKER)	AIR	RT-5X	2kg/cm ² 6.5 ± 0.1	8 ± 0.1	2 TO 17	WAG 2
709172	003	SWC (INTERLOCK REGEN BRAKE WITH LOCO BRAKE)	AIR	RT-200X	0.8kg/cm ² 0.2 ± 0.1	10 ± 0.1	0.2 TO 0.6	WAG 4
709158	004	QPH (OIL PUMP INTERLOCK)	TRANSFORMER OIL	RT-110X	0.3kg/cm ² 0.6 ± 0.1	0.3 ± 0.1	0.2 TO 0.3	WAG 5
854010	005	RGP (LOW PRESSURE CONTROL GOVERNOR)	AIR	RT-5X	1kg/cm ² 5.5 ± 0.1	4.5 ± 0.1	2 TO 17	WAG 2
709186	006	RGP (TRACTION CUT OUT AND AUTO REGRESSION)	AIR	RT-5X	1kg/cm ² 2.8 ± 0.1	4.2 ± 0.1	2 TO 17	WAG 5
954433	007	GCR (FEED VALVE FAILURE INDICATION)	AIR	RT-5X	1kg/cm ² 5 ± 0.1	6 ± 0.1	2 TO 17	WAG 5
709059	008	RGA F (AIR FLOW INDICATION)	AIR	RT-5X	1kg/cm ² 4.8 ± 0.1	4 ± 0.1	2 TO 17	WAG 5

VAR NO.	ITEM NO.	DESCRIPTION	DRAWING NO.	MATL CODE	MATL SPECN.	UNIT	QTY	EN
28	1	CARD TYPE 1	77	34	46	55	56	57
28	2	CARD TYPE 2	77	34	46	55	56	57

INVENTORY NO. SIGN & DATE REF DRG NO. 013 / 65 / 2 / 1 / A

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REV DATE BY APPD BY

01 24/12/81 CHD X APPD 01 20/9/81

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TYPE OF PRODUCT DESL / 25KV ELECTRIC LOCOMOTIVE

OR

NAME OF CUSTOMER/PROJECT

BHARAT HEAVY ELECTRICALS LIMITED

JHANSI

DRN SANDBP

CHD P.K.K.

APPD M.L.

REF TO ASSY DRG

1719 34 01 0 22

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ITEM NO. OF

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DRAWING NO. 271819 01 067

SHEET NO. 01

NO OF SHEETS 01

SIZE A2