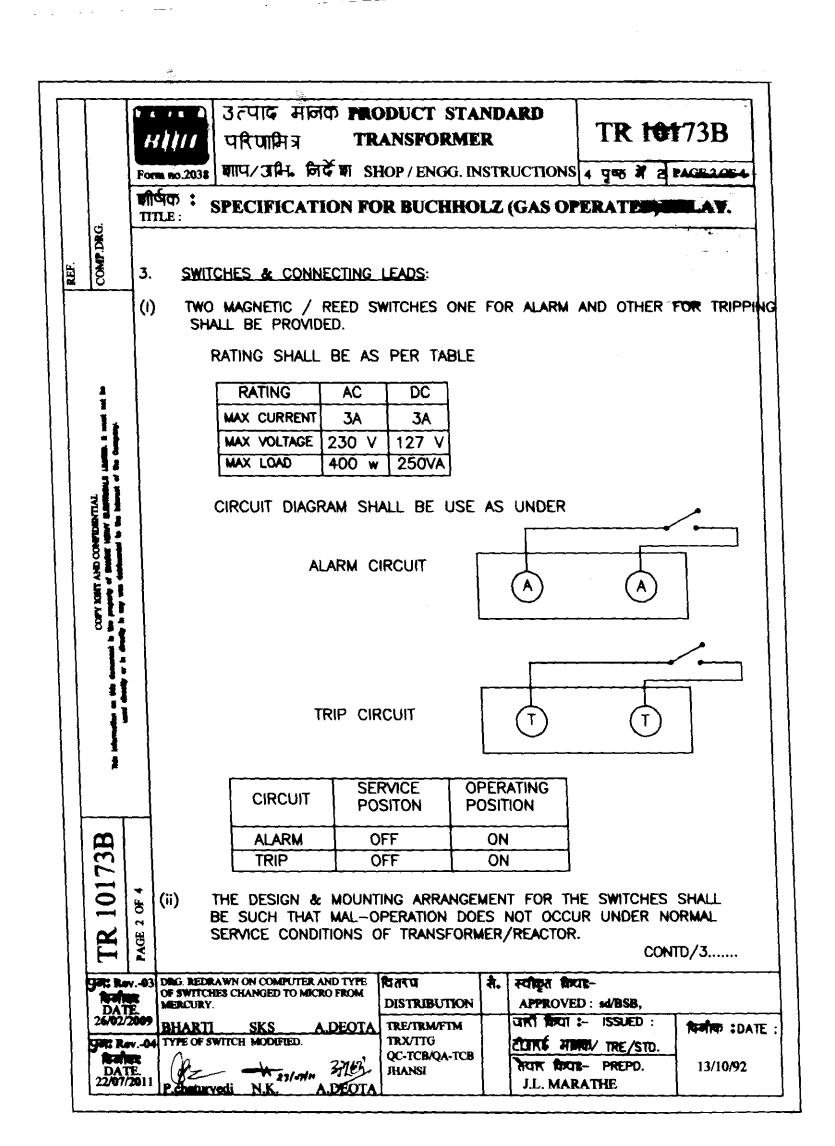
							
	उत्पाद मलक PRODUCT STANDARD परिपामित्र TRANSFORMER TR 10173B Form no.2038 व्याप/उस्सि निर्देश SHOP/ENGG. INSTRUCTIONS 4 पृष्ठ में 1 PAGE 1 OF 4						
	TITLE: SPECIFICATION FOR BUCHHOLZ (GAS OPERATED) RELAY.						
COMP.DRG	1. APPLICATION:-						
	FOR PROTECTION OF OIL FILLED TRANSFORMERS/REACTORS FITTED WITH SEPARATE CONSERVATOR VESSEL. THE RELAY SHALL OPERATE SATISFACTORILY WITH OIL TEMPERATURE UPTO 100°C AND SHALL BE ALSO SUITABLE FOR FULL VACUUM CONDITION.						
1	2. CONSTRUCTION						
	(i) THE RELAY SHALL COMPRISE OF FLANGED HOUSING, DETACHABLE FRONT COVER TERMINAL BOX, TOUGHENED GLASS WINDOW, ALARM AND TRIPPING DEVICES HAVING BUCKET TYPE FLOATS WITH MICRO SWITCHES AND PETCOCKS / NEEDLE VALVES FITTED WITH CHAIN & CAP AND SHALL BE GENERALLY CONFORM TO IS 3637						
AND COUNTRIES.	(ii) RELAY HOUSHING SHALL BE WEATHER RESISTANT AND SHALL BE MADE FROM SUPERIOR GRADE CAST IRON OR FABRICATED FROM M.S. SHEET/PLATES.						
CORY IGHT	(iii) A PETCOCK/NEEDLE VALVE WITH 1/8"B.S.P MALE THREADS AND HAVING HORIZONTAL TAKE OFF SHALL BE PROVIDED ON TOP OF THE RELAY FOR COLLECTING GAS SAMPLES. A SIMILAR PETCOCK/NEEDLE VALVE SHALL BE PROVIDED IN A CONVENIENT POSITION TO FACILITATE SITE TESTING OF THE TRIPPING DEVICE.						
2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	(iv) A MECHANICAL DEVICE CAPABLE OF BEING OPERATED FROM THE EXTERIOR OF THE RELAY TO CHECK THE CONTINUITY OF ELECTRICAL CIRCUITS AND LOCK THE ALARM & TRIP DEVICES DURING TRANSIT, SHALL BE PROVIDED.						
	(v) INNER PARTS OF THE RELAY SHALL BE MADE FROM MATERIAL WHICH WILL WITHSTAND THE EFFECT OF HOT TRANSFORMER OIL AND SHALL NOT DISINTEGRATE DURING SERVICE.						
FR 10173B	(vi) RELAY SHALL BE PROVIDED WITH ONE SUITABLE DRAIN PLUG OF1/8" BSP.						
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GOT: Rev South DATI 22/07/2	TRIVITG QC-TCB/QA-TCB HANSI TRIVITG QC-TCB/QA-TCB REPD. 13/10/92						

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REF. COMP.DRG						
	(iii)	CONNECTING LEADS (PREFERABLY SHALL NOT BE LESS THAN 0.25 mm²) FROM THE SWITCHES SHALL BE MADE OF TINNED COPPER FLEXIBLE WIRE,INSULATED WITH CERAMIC BEADS OR WITH BRAIDED SILK OR WITH ANY OTHER EQUIVALENT INSULATING MATERIAL.THEY SHALL BE TERMINATED ON OUTLET BUSHING BY MEANS OF COMP—RESSED TERMINAL LUGS.				
	1	THE OUTLET TERMINALS SHALL BE SUITABLE FOR CONNECTION TO EXTERNAL CONDUCTORS OF SIZE 1.5 TO 4 mm² AND HOUSED IN WEATHER PROOF AIR INSULATED TERMINAL BOX ON RELAY HOUSING.				
, 1	4.	4. <u>DIMENSIONS</u> :				
TOGETHE TO THE TOTAL THE TOTAL TO THE TOTAL		DIMENSIONS OF THE RELAY SHALL BE AS PER OUR STANDARD DRG. TR 20053B.				
00 QV.	5. <u>r</u>	EINISH:				
2 2 2	(i)	(i) RELAY HOUSING SHALL BE CLEANED PROPERLY BY SHOT/SAND BLASTING				
8	(ii)	INSIDE SURFACE SHALL BE PAINTED WITH TWO COATS OF WHITE PAINT OF TRANSFORMER OIL RESISTANT QUALITY.				
	(iii)	OUTSIDE SURFACE SHALL BE PAINTED WITH TWO COATS OF ZINC PRIMER (IS-2074) FOLLOWED BY TWO COATS OF FULL GLOSSY FINISHING PAINT (IS-2932) OF LIGHT GREY SHADE TO IS 631 OF IS-5.				
#	(iv)	HARDWARES USED SHALL BE ZINC PLATED AND PASSIVATED (ZN PLATING GRADE FE/ZN 12.5 TO IS-1573, PASSIVATION TO IS-1340)				
m	6.	MARKING:				
10173B	THE FOLLOWING PARTICULARS SHALL BE MARKED DISTINCTLY AND PE- RMANENTLY ON EVERY RELAY IN A POSITION VISIBLE FROM FRONT					
TR 10	(i)	A REFERENCE TO				
	DAG NYMA				CONTD/4	
Rev03	OF SWITCHES (MERCURY.	N ON COMPUTER AND TYPE CHANGED TO MICRO FROM	वितरप DISTRIBUTION	तै. स्वीकृत क्रियह- APPROVED: se		
26/02/2009 SPR: Rev04	BHARTI TYPE OF SWITC	SKS A.DEOTA		वारी क्रिया :- ।	SSUED :	
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TITLE: SPECIFICATION FOR BUCHHOLZ (GAS OPERATED) BU	AGE 4 OF 4					
	ELAY.					
K.F.						
THE WARK.						
SERIAL NUMBER.	(iii) MANUFACTURER'S TYPE REFERENCE & SERIAL NUMBER.					
OF THE ARROW MAY BE DOCMOED ON SE BACK SIDES OF THE RELAY, O	MARKED BY AN ARROW ON BOTH FRONT & BACK SIDES OF THE RELAY, ONE OF THE ARROW MAY BE PROVIDED ON TERMINAL BOX COVER.IN THAT CASE AR—					
(V) OUTLET TERMINALS OF ALARM & TRIP CIRCUITS SHALL BE CLEARLYMARKED LETTERS 'A' AND 'T'.	TO THE PROPERTY OF ALARM AFTER CHARLES COME AT THE PROPERTY OF					
(vi) GRADUATED SCALES SHALL BE PROVIDED WITH WINDOW GLASS TO READ VOLUME OF GAS COLLECTED INSIDE THE RELAY.						
7. <u>TESTING</u> :	1					
VOLUME OF GAS COLLECTED INSIDE THE RELAY. 7. TESTING: (i) RELAYS SHALL BE TESTED FOR ALL ROUTINE TESTS AS PER IS 3637 AN SHALL BE FURNISHED INDICATING THE SL.NO.						
(ii) RELAYS SHALL BE ALSO TESTED FOR TYPE TESTS i.e. MECHANICAL —ENGTH, VELOCITY CALIBRATION & VACUUM TESTS WHEN ASKED F	I'' TET ''' O'N'EL DE ALOU IFNIFII END TONG TEATA :					
8. PACKING:						
-HENE SHEET BEFORE DESPATCH TO WORD PARKAPPED IN THICK	(i) FINISHED RELAYS SHALL BE PROPERLY BLANKED WITH PLY BOARDOF SUFFICIENT THICKNESS & STRENGTH AND THEN WRAPPED IN THICK POLYTHENE SHEET BEFORE DESPATCH TO AVOID DAMAGE IN TRANSIT AND ALSO TO STOP DUST & FOREIGN PARTICLES ENTERING INSIDE THE RELAY.					
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TR 10173B						
DATE. 26/02/2009 DRG. REDRAWN ON COMPUTER AND TYPE OF SWITCHES CHANGED TO MICRO FROM MERCURY. DATE. 26/02/2009 RUA P.T. CH.C. DISTRIBUTION APPROVED: sd/BSB,						
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