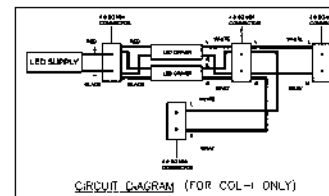
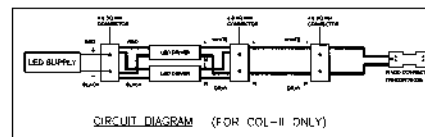


DETAIL AT X

SECTION - AA

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. FRAMED DIMENSIONS ARE TO BE STRICTLY ADHERED TO BY JIG FINISHING.
3. ALL STEEL ITEMS EXCLUDING HARDWARE SHALL BE GIVEN SURFACE TREATMENT FOR ANTI-RUST & ANTI-CORROSION BEFORE FINISHING WITH POWDER COATING. THICKNESS OF POWDER COATING SHALL NOT BE LESS THAN 60 MICRONS TO WHITE COLOUR (SHADE NO.042 'TIF WHITE' OF M/S BERGER OR SIMILAR IN M/S ASIAN, M/S HEROLAC MAKE PAINT) WITH GLOSSY FINISH.
4. TERMINAL CONNECTOR SHALL BE OF CAGE CLAMP TYPE WAGO/PHOENIX MAKE.
5. FELT TO BE USED IN DIFFUSER FACING CLAMPS TO AVOID DAMAGE WHILE TIGHTENING WITH POLY CARBONATE DIFFUSER. FELT SHOULD HAVE CIRCULAR HOLES AT ALL LOCATION OF HOLES IN DIFFUSER HOLDING FRAME.
6. SUITABLE GEAR TRAY PROVIDED IN THE HOUSING FOR MOUNTING LED DRIVER AND WAGO CONNECTOR.
7. ONLY TIG/SPOT WELDING SHALL BE DONE AS PER THE REQUIREMENT. NO OTHER WELDING IS ACCEPTABLE.
8. SUITABLE GROMMETS TO BE PROVIDED FOR CABLE TRAVERSING TO THE LED DRIVER.
9. ITEMS-1 & 2 SHOULD BE DEEP DRAWN AND NOT FABRICATED.
10. SCHEMATIC DIAGRAM, MANUFACTURER'S INSIGNIA SHALL BE SCREEN PRINTED ON ALUMINIUM PLATE AND PURCHASE ORDER AND S.N.D. IN THE FORM OF 'YYYYMMMM' WHERE 'YYYY' STAND FOR YEAR 'MM' STAND FOR MONTH AND 'MM' STAND FOR RUNNING SERIAL NO. SHALL BE PINCHED ON IT AS SHOWN IN LEGEND PLATE AND RIVETTED AT THE BACK SIDE OF THE FITTING.
11. WIRING TO BE DONE WITH 1.5 SQ.MM PTFE CABLE OR E-BEAM CABLE OF RDSO APPROVED MAKE ONLY.
12. HOUSING OF LED DRIVER SHALL BE MADE FROM 1MM THICK ALUMINIUM SHEET/FIRE RETARDANT POLYCARBONATE OR FIBER SHEET MATERIAL.
13. DIFFUSER MATERIAL SHALL BE CONFORMING TO UL 94V0 & MADE FROM 'LEXAN SP24-452K' FIRE RETARDANT POLYCARBONATE MATERIAL OF GE PLASTIC/SABIC MAKE OR EQUIVALENT WITH PRIOR APPROVAL OF CBE/ICF. DIFFUSER THICKNESS SHALL NOT BE LESS THAN 1.5MM AND SHALL BE FREE FROM SCRATCHES, AIR BUBBLES, HOLES AND ULTRA-VIOLET STABILIZED.
14. IF SUPPLIER WISHES TO OFFER MODIFICATIONS OR CHANGES TO THE GIVEN ARRANGEMENT, THEY SHALL TAKE PRIOR APPROVAL BEFORE SUBMISSION OF PROTOTYPE SAMPLE.
15. ONE PROTOTYPE SAMPLE SHALL BE SUBMITTED FOR APPROVAL BEFORE MANUFACTURING/EFFECTING BULK SUPPLY.



NO. OF	DESCRIPTION & DIMENSIONS	ITEM	REF. DRG.	MAT. & SPECN.	WEIGHT/UNIT	REMARKS
2	CH. HD. SCREW	M3x15	20	IS:1306(LATEST)	IS:1307(P-14)	STAINLESS STEEL
1	SCREWING PIECE	3x15x45	19		CRCA	
1	WAGO SOCKET CONNECTOR		18			WAGO PART NO. 770-223
1	WAGO PLUG CONNECTOR		17			WAGO PART NO. 770-233
12	PLAIN WASHER	5.5	16	IS:2046(LATEST)	MS-2 TYPE-A	
12	SPRING WASHER	MS	15	IS:3083(LATEST)	IS:1307(P-14)	
12	CH. HD. SCREW	M3x35	14	IS:1307(P-14)	8.8 AS TO	
4	ANTI THEFT SCREW		13	IS:1307(P-14)	8.8 AS TO	
6	PAUL HD. SCREW	M4x12	12	IS:2000-LATEST	S.S	
1	SILICON GASKET		11		SILICON	
2	PG 9 CABLE GLAND		10			
2	WIRE ROPE (S.S)		9		S.S	
4	FOUR CONDUCTOR TERMINAL BLOCK		8			REFER NOTE-4
2	LED DRIVER		7			REFER NOTE-12
1	LED PCB		6			
1	GEAR TRAY		5			REFER NOTE-6
1	REFLECTOR		4		ALUMINIUM	
1	POLYCARBONATE DIFFUSER		3			REFER NOTE-13
1	TOP HOUSING	1MM	2	IS:313-LATEST	GRADE-00	
1	DIFFUSER HOLDING FRAME	1MM	1	IS:313-LATEST	GRADE-00	DEEP DRAWN
NO. OF	DESCRIPTION & DIMENSIONS	ITEM	REF. DRG.	MAT. & SPECN.	WEIGHT/UNIT	REMARKS
1	GROUP - 7-8					
SUPERSEDED BY: SUPERSSE/05/07/2017-7-8-047 ALT. n/-						
SCALE: S5E/D/13/3/2						
1:5	CHD.					
1:2	ALT.					
1:1	DRN.					
ALT.						
LED LIGHT FITTING, TYPE-S (18W)						
FOR CONV. AC CHAIR CAR & EMU COACHES						
(AS PER SPEC. NO. RDSO/PE/SPEC/L/0091-2016, REV.1)						
CBE FILE: ES-CAD-140 7-8 047-SBCL.DWG						
DATA	CODE NO	INDIAN RAILWAY	SHEET			
140		STANDARDS	1 OF 1			
DATE	DATE OF LAST ALT.	DATE OF THIS ISSUE	DY.CEE/D-1			
15-05-2022	20-05-2018					
ICF/STD-7-6-047						
FORM SIZE A1 (840x600)						

Signature Not Verified

Digitally signed by LAKSHMANASWAMY S

Date: 2022.11.08

11:39:06 IST

Reason: IREPS-CRIS

Location: New Delhi