

EPC works only

63A INTERLOCKED SWITCH SOCKET

CLIENT : TRANSMISSION CORPORATION OF ANDHRA PRADESH

CONTRACTOR : AS APPLICABLE

PROJECT : AS APPLICABLE

Manufacturer : M/s. SRINIVASA ENTRPRISES

Quantity : AS APPLICABLE

Drawing No. : SE / APTRANSCO / 63A INTERLOCKED SWITCH SOCKET / 56 / 24-25



**Chief Engineer/Projects  
APTRANSCO/VS/Vijayawada.**

SH.NO.	DESCRIPTION	SHEET NO.	REV. No.
01	COVER SHEET & TABLE OF CONTENT	01 OF 05	R0
02	GENERAL NOTES	02 OF 05	R0
03	GENERAL ARRANGEMENT	03 OF 05	R0
04	POWER CIRCUIT	04 OF 05	R0
05	BILL OF MATERIAL	05 OF 05	R0

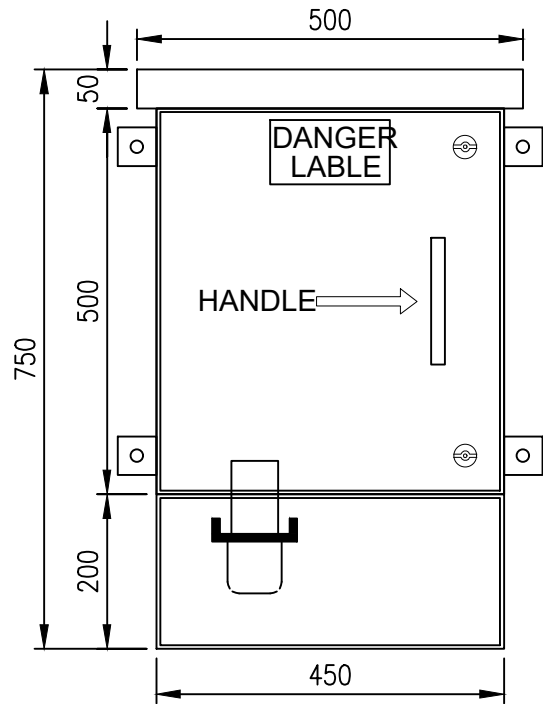
04.	-	DRAWN	BINDU						
03.	-	CHKD.	NARASIMHAM						
02.	-	APPD.	S.S.RAO						
01.	-	ALL DIMENSIONS IN mm.		SIGN.					
25-05-2024	00.	FIRST SUBMISSION FOR APPROVAL		TOLERANCE 5%					
DATE	No.	REVISIONS DESCRIPTION		REVISIONS : 00					

MANUFACTURER  
**SRINIVASA ENTERPRISES**  
B-5, T.I.E - BALANAGAR,  
HYDERABAD - 500037,  
PH.No : 9246378045,  
EMAIL : somana123@yahoo.com

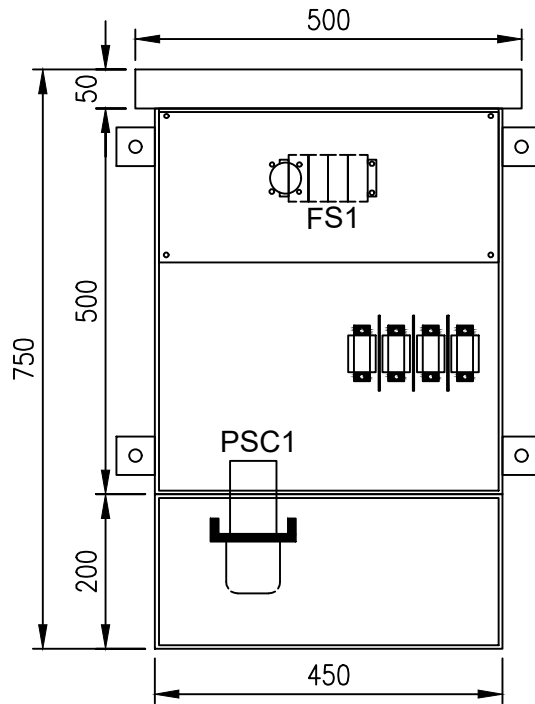
DRAWING	COVER SHEET & TABLE OF CONTENT
TITLE	63A INTERLOCKED SWITCH SOCKET
PROJECT	AS APPLICABLE
LOI No.	AS APPLICABLE
SUBSTATION	AS APPLICABLE
DRG. No.	SE / APTRANSCO / 63A INTERLOCKED SWITCH SOCKET / 56 / 24-25
	SH. No. 01 OF 05

	1	2	3	4	5	6	7	8	9				
A	<p><b>GENERAL TECHNICAL PARTICULARS</b></p> <p>1. (a) Type Of Panel :Non-Drawout Type :Non-Compartmentlised Structure :Construction Single Front</p> <p>(b) Type Of Mounting :Wall Mounting</p> <p>2. Cable Entry :Bottom</p> <p>3. Thickness Of Sheet Steel (a) Base Channel :NA (b) Frame &amp; Board :2mm (CRCA) (c) Canopy :1.6mm (CRCA) (d) Gland Plate :3mm (CRCA)</p> <p>4. Busbars :NA</p> <p>5. Busbar Size :NA</p> <p>6. Earth Busbar Size :Stud Type</p> <p>7. Busbar Supports :SMC/DMC Moulded Support</p> <p>8. Control Wiring With Flexible Copper Conductor PVC Insulated Wires, 1.1kV Grade. (a) Voltage Circuit :2.5Sq. mm (Black) (b) Current Circuit :2.5Sq. mm (Red, Yellow, Blue) (c) Earthing :2.5Sq. mm (Green) For All Components. (d) DC Circuit :2.5Sq. mm (Grey)</p> <p>9. Minimum Size Of Power Wiring, Flexible Copper Conductor PVC Insulated Wires, 1.1kV Grade. (a) Upto 10A:2.5Sq mm, Copper (b) Upto 24A:4Sq mm, Copper (c) Upto 32A:6Sq mm, Copper (d) Upto 40A:10Sq mm, Copper (e) Upto 63A:35Sq mm, Copper (f) Upto 100A:70Sq mm, Copper</p> <p>10. PVC Tag Ferrules :2.5Sq mm PVC With NOS</p> <p>11. Degree of Protection :IP-55</p> <p>12. Painting (a) Treatment :Seven Tank Process (b) Type :Powder Coated (c) Shade :631 Of IS:5 (Interior &amp; Exterior)</p> <p>13. Test Voltage (IS:8623 Part-1) (a) Insulation Test :500V Megger Power &amp; Control (b) High Voltage Test :2.5kV For 60 Sec</p> <p>14. Gasket Type :Neoprene or EPDM Rubber Gasket</p> <p>15. Type Of Name Plate :Engraved with white letter on black surface</p> <p>16. All hinge doors shall be earth through 6Sq mm Flexible Earthing Braid</p> <p>17. The covers on rear shall be of bolted type</p> <p>18. The Panel shall generally confirm to IS:8623</p> <p>19. Name Plate, Caution Plate and Labels will be provided</p> <p>20. Temperature rise over design ambient temperature of 50 deg C shall not exceed 40 deg C.</p> <p>21. Power Terminal Blocks are of stud type with bolted type</p> <p>22. Busbar clearance between phases shall be 25mm &amp; Phase &amp; Neutral/Earth 25mm, Wherever it is not feasible to maintain these clearance in such places phase barriers shall be provided.</p> <p>23. All Busbar with colour Coded with heat shrinkable PVC sleeves as per IS:11353 RYB For Phases, Black for Neutral and Green for earth terminal</p>				<h1>EPC works only</h1>					<p>Drawing approval subject to valid vendor registration</p>			
B													
C													
D													
E													
F	04.	-	DRAWN	BINDU		<p>MANUFACTURER</p> <p><b>SRINIVASA ENTERPRISES</b></p> <p>B-5, T.I.E - BALANAGAR, HYDERABAD - 500037, PH.No : 9246378045, EMAIL : somana123@yahoo.com</p> 							
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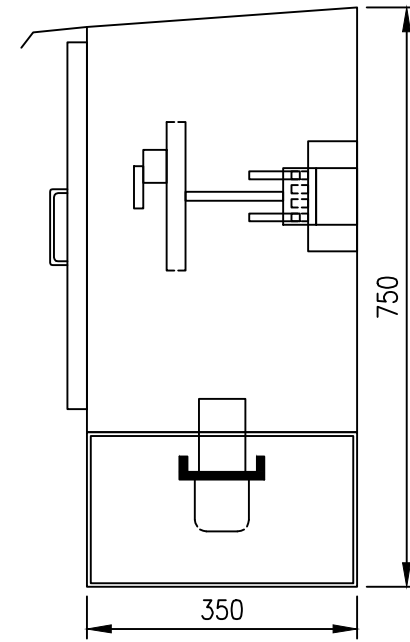
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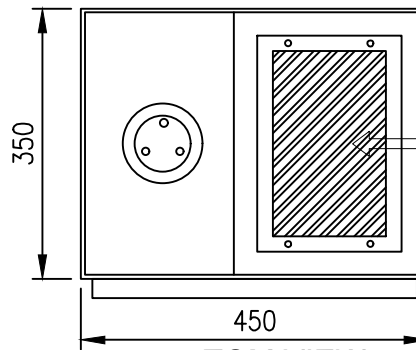
FRONT VIEW



FRONT INTERNAL VIEW  
(TENTATIVE)



SIDE VIEW




BOTTOM VIEW

REMOVABLE UNDRILLED  
GLAND PLATE

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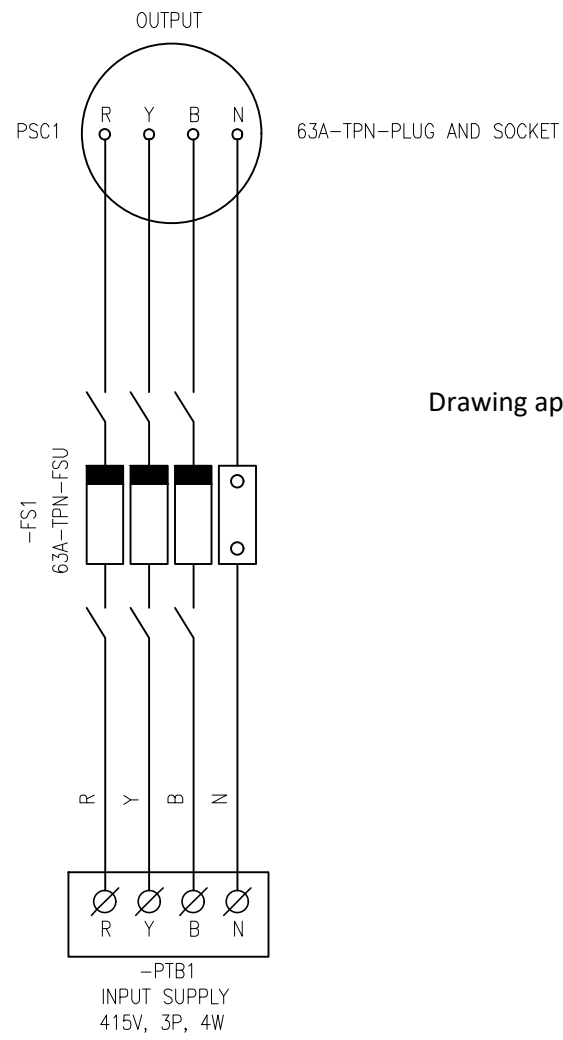
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DRAWING	GENERAL ARRANGEMENT
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	SH. No. 03 OF 05

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DRAWING	POWER CIRCUIT
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	SH. No. 04 OF 05

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BILL OF MATERIAL

SI.NO	TAG	DESCRIPTION	MAKE	Nos	QTY
1	FS1	FSU-63A-TPN	SCHNEIDER/ABB/L&T/HAVELLS/C&S	Nos	1
2	PTB1	POWER TB-110A	ELMEX/CONNECTWELL	Nos	4
3	PSC1	415V AC-63A-TPN-PLUG AND SOCKET	LEGRAND/REPUTED	Nos	1

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