



EBOMAC
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إبوماك
الأختيار الكهربائي الأمثل

MEDIUM VOLTAGE METAL CLAD SWITCHGEAR TYPE "SR / SRU" SERIES



Technical data: (Switchgear type SR) – 800W

Standard compliance to :		IEC 60298 / IEC 60694				
Rated Voltage, U (r.m.s. value)		KV	7.2	12	17.5 ²⁾	25 ²⁾
Rated Withstand Voltage	1 min. power frequency	KV	20	28	38	50
	Across the isolating distance	Rms	23	32	45	60
	Lighting impulse voltage	KV	60	75(95)	95	125
	Across the isolating distance	Peak	70	85	110	145
Rated frequency		Hz.	50 – 60			
Rated Current	Busbars	A	630-800-1250-1600-2000-2500-3150 ¹⁾			
	Feeders					
Short circuit Withstand	Short time withstand current 3sec.	KA rms	16-20-25-31.5 ¹⁾ -40 ¹⁾			
	Peak Withstand current	KA max.	40-50-63- 80 - 110			
Degree of protection			IP 4X (higher degree of protection on request)			

¹⁾ Voltage 7.2 and 12 KV only

²⁾ Compartmented type (with non-metallic partitions)

Technical data: (Switchgear type SRU) – 650W

Standard compliance to :		IEC 60298 / IEC 60694		
Rated Voltage, U (r.m.s. value)		KV	7.2	12
Rated Withstand Voltage	1 min. power frequency	KV	20	28
	Across the isolating distance	Rms	35	45
	Lighting impulse voltage	KV	60	75(95)
	Across the isolating distance	peak	75	95
Rated frequency		Hz.	50 – 60	
Rated Current	Busbars	A	800-1250-1600	
	Feeders	A	630-1250	
Short circuit Withstand	Short time withstand current 3sec.	KA rms	16-20-25(26.3)	
	Peak Withstand current	KA max.	40-50-63	
Degree of protection			IP 4X (higher degree of protection on request)	

INTRODUCTION

M.V. Switchgears have been categorised into two basic classifications:

Type SR : The width of switchgear module is 800mm.

Type SRU : The width of switchgear module is 650mm.

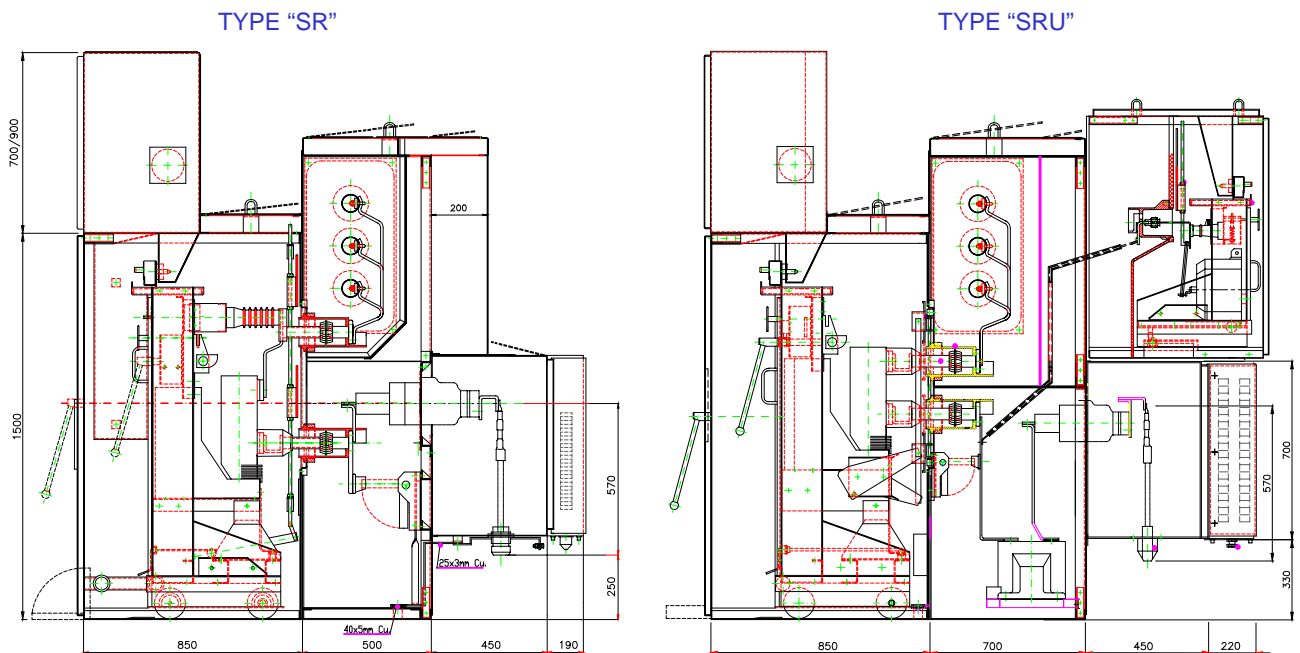
Range of Medium Voltage Products :

- Switchgear with Vacuum Circuit breakers
- Switchgear with Vacuum Contactors
- Automatic Transfer Switches(ATS) with Vacuum Circuit breakers or Vacuum Contactors

SR / SRU series M.V.Switchgears offers advantages that sets safety & ease of maintenance

- Fully Type tested assembly. Additionally type tested on ARC fault at 26.5KA for 0.1sec.
- Cubicles are fabricated out of 2.5mm thick sheet steel. Thus there are antire barrier 2x2.5mm between a pair of adjacent cubicles. Switchgear is coated with polyester paint of shade RAL 7032.
- Safety of personnel has been ensured by the integrated barriers and partitions. Mechanical interlocks and indications ensure safe operations.
- Various configurations of cubicles can be made by putting together different independent modules.
- Replacement of drawout truck is simple, easy and quick.
- By perfect interlocking wrong insertion of VCB is eliminated.
- Sliding metallic shutters for automatic covering of busbars when VCB truck is driven out.
- Switchgears can be fitted with quick action earthing switches to short to earth the busbars(busbar earthing) or outgoing feeders(cable earthing). These switches are mounted either on the CB truck or firmly fixed inside the switchgear.

BASIC OVERALL DIMENSIONS FOR SR/SRU



Sizes/characteristics other than mentioned above available on request and to be co-ordinated with Ebomac design department.

Development is a continuous process thus ebomac reserves the right to change data or design without any prior notice.

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Ref: EBMC/LF-MV/2002 Vol.1