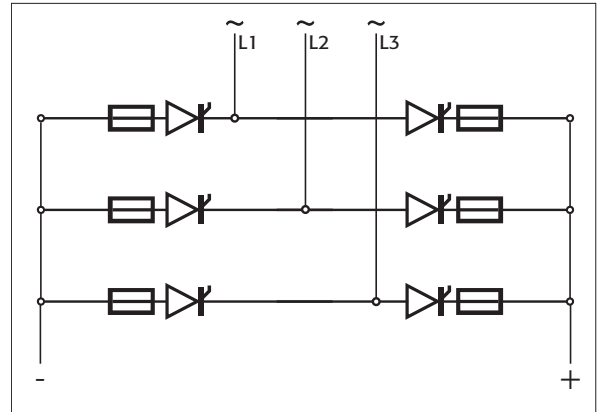


3 PHASE SCR BRIDGE

Horizon for SCR high power bridge



SIZE S36 H 640 x W 717 x D 320 - 86/110 kg.

General description

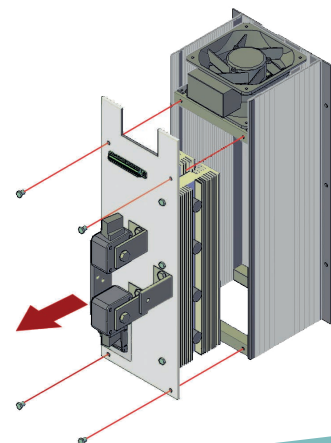
- All circuit board, fuses and thyristor can be inspected on opening front door
- Electronic circuit fully isolated from power
- Internal fixed fuses are standard with relay contact output for fuse failure
- Current transformer integrated (option)
- Special design for heat sink with very high dissipation value and cooling tunnel
- Easy for use with diagnostic and wiring diagram on front unit
- Modular Aluminium structure and copper parts treated against oxidation
- Comply with EMC
- Panel mounting



Maintainability in function

These are our targets:

- Each phase can be substituted by front unit by technician just removing 4 screw without the help of forklift.
The average weight of phase is 16kg
Time required to substitute one phase not more than 10 minutes.
- Plant downtime not more than 10 minutes, vital for important process
- When the operator replaces one phase, all the auxiliary connection are plug in
- This allow to be faster and avoid mistakes in wiring
- Control board plug in for the connection



OUTPUT FEATURES

Current	Voltage Range (2)	Ripetitive peak reverse voltage (2)		Latching current (mAeff)	Max peak one cycle (10 msec)	Leakage current (mAeff)	I2T value for fusing tp=10msec	Frequency range (Hz)	Power Loss I=Inom (W)
		(600V)	(690V)						
1000A	20÷690V	1600	2400	700	12500	300	78100	47÷70	2442 (1)
1300A	20÷690V	1800	1800	700	22400	300	2509000	47÷70	2594 (1)
1600A	20÷600V	1600	N.A.	700	24600	300	3026000	47÷70	2972 (1)
1800A	20÷690V	1600	N.A.	700	26900	300	3618000	47÷70	2876 (1)
2000A	20÷600V	1800	1800	700	36000	300	6480000	47÷70	3032 (1)
2200A	20÷690V	1800	1800	700	36000	300	6480000	47÷70	3896 (1)
2400A	20÷600V	N.A.	2200	700	60000	300	18000000	47÷70	4496 (1)

Note (1) For total bridge dissipation multiply by 3 Note (2) Voltage output features available at higher value

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
ORDERING CODE	B	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CURRENT			3	4	5	6											
description			code			note											
1000A			1	0	0	0											
1300A			1	3	0	0											
1600A			1	6	0	0											
1800A			1	8	0	0											
2000A			2	0	0	0											
2200A			2	2	0	0											
2400A			2	4	0	0											
MAX VOLTAGE						7											
description			code			note											
480V						4											
600V						6											
690V						7											
VOLTAGE SUPPLY AUX.						8											
description			code			note											
110V						1											
220V						2											
INPUT						9											
description			code			note											
0:10V						V											
4:20 mA						A											
FIRING						10											
description			code			note											
Without Control Board						0											
Control Board Phase Angle						P											
CONTROL MODE																11	
description																code	
Voltage																U	
Current																I	
Power																W	
OPTION & FUSES																12	
description																code	
Fixed fuses standard																F	
Fixed fuses + CT																Y	
FAN VOLTAGE																13	
description																code	
Fan 110V																1	
Fan 220V Standard																2	
APPROVALS																14	
description																code	
CE EMC																0	
MANUAL																15	
description																code	
None																0	
Italian																1	
English																2	
German																3	
French																4	
LOAD TYPE																16	
description																code	
Resistive Load																1	
Inductive Load																2	



Width: 632 mm
 Depth : 347 mm
 Height: 730 mm
 Weight: 86/110 Kg