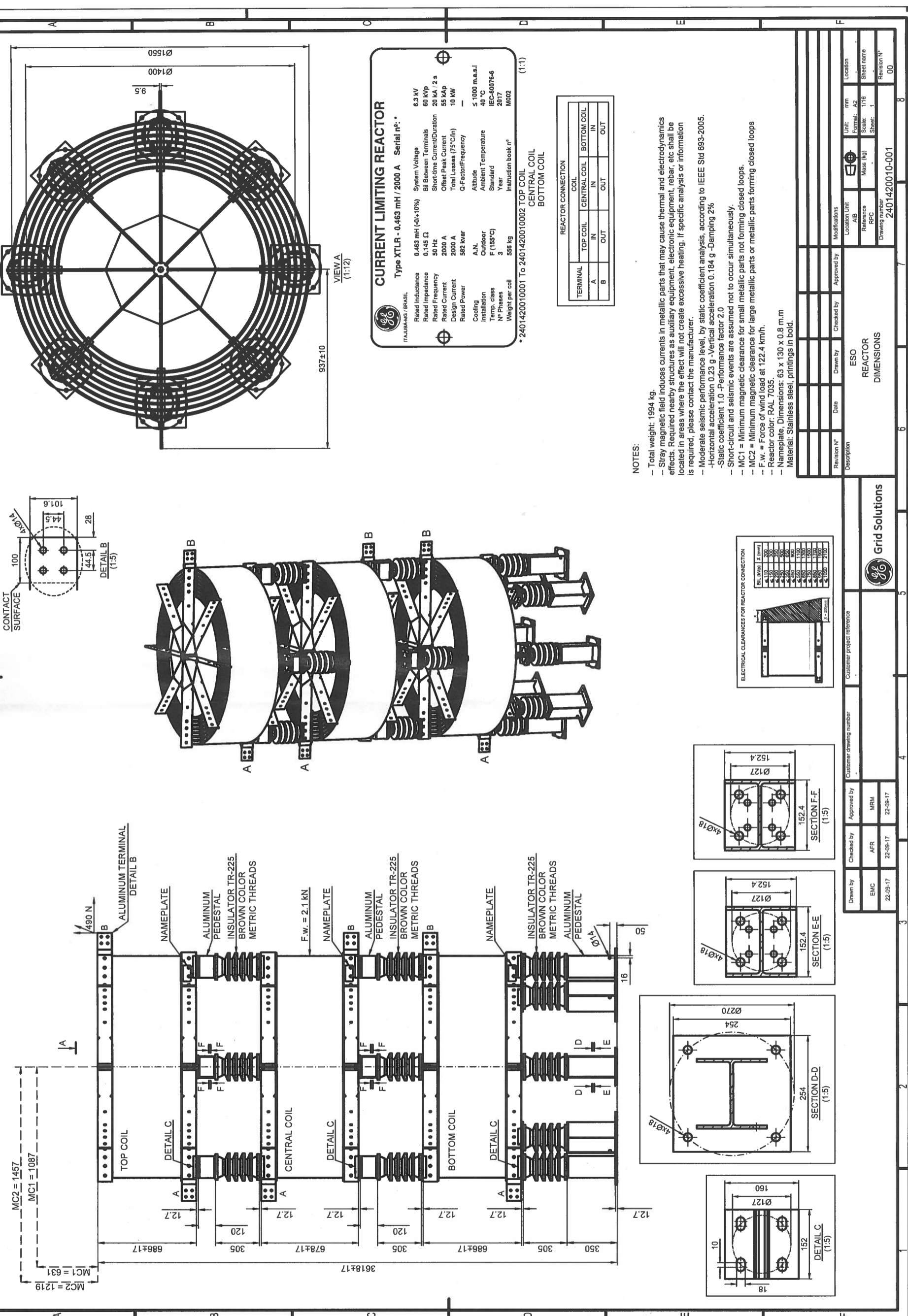


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CURRENT LIMITING REACTOR

Type XTLR - 0.463 mH / 2000 A Serial nº: *

Rated Inductance	0.463 mH (±0.15%)	System Voltage	6.3 kV
Rated Impedance	0.145 Ω	BI Between Terminals	60 kVp
Rated Frequency	50 Hz	Short-time Current/Duration	20 kA / 2 s
Rated Current	2000 A	Offset Peak Current	55 kAp
Design Current	2000 A	Total Losses (75°C/in)	10 kW
Rated Power	582 kW	Q-Factor/Frequency	-
Cooling	A.N.	Altitude	≤ 1000 m.a.s.l
Installation	Outdoor	Ambient Temperature	40 °C
Temp. class	F (155°C)	Standard	IEC-60076-6
N° Phases	3	Year	2017
Weight per coil	558 kg	Instruction book nº	M002

* 2401420010001 To 2401420010002 TOP COIL
CENTRAL COIL
BOTTOM COIL (1:1)

REACTOR CONNECTION						
TERMINAL	TOP COIL		CENTRAL COIL		BOTTOM COIL	
	IN	OUT	IN	OUT	IN	OUT
A						
B						

- NOTES:
- Total weight: 1994 kg.
 - Stray magnetic field induces currents in metallic parts that may cause thermal and electrodynamic effects. Required nearby structures as auxiliary equipment, electronic equipment, rebar, etc shall be located in areas where the effect will not create excessive heating. If specific analysis or information is required, please contact the manufacturer.
 - Moderate seismic performance level, by static coefficient analysis, according to IEEE Std 693-2005.
 - Horizontal acceleration 0.23 g - Vertical acceleration 0.184 g - Damping 2%
 - Static coefficient 1.0 - Performance factor 2.0
 - Short-circuit and seismic events are assumed not to occur simultaneously.
 - MC1 = Minimum magnetic clearance for small metallic parts not forming closed loops.
 - MC2 = Minimum magnetic clearance for large metallic parts or metallic parts forming closed loops
 - F.w. = Force of wind load at 122.4 km/h.
 - Reactor color: RAL 7035.
 - Nameplate: Dimensions: 63 x 130 x 0.8 mm.
 - Material: Stainless steel, printings in bold.

Revision Nº	Date	Drawn by	Checked by	Approved by	Modifications
REACTOR DIMENSIONS					
Location	AIB	Reference	RPC	Drawing number	2401420010-001
Unit	mm	Scale	1/18	Sheet	1
Format	A2	Mass (kg)		Revision Nº	00

Customer project reference	Customer drawing number	Approved by	Checked by	Drawn by
		MRM	AFR	EMC
		22-09-17	22-09-17	22-09-17

ELECTRICAL CLEARANCES FOR REACTOR CONNECTION	
RE (mm)	X (mm)
110	200
110	300
110	400
110	500
110	600
110	700
110	800
110	900
110	1000
110	1100
110	1200
110	1300
110	1400
110	1500
110	1600
110	1700
110	1800
110	1900
110	2000