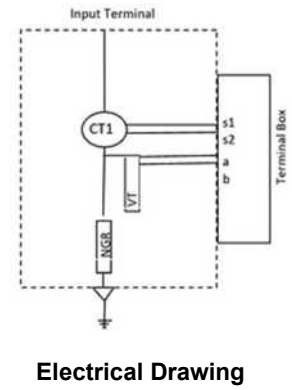
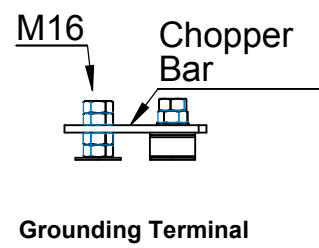
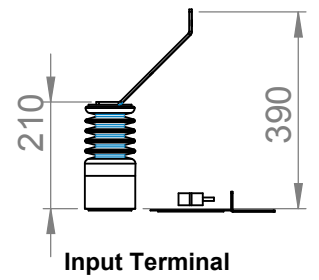
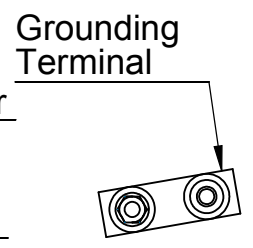
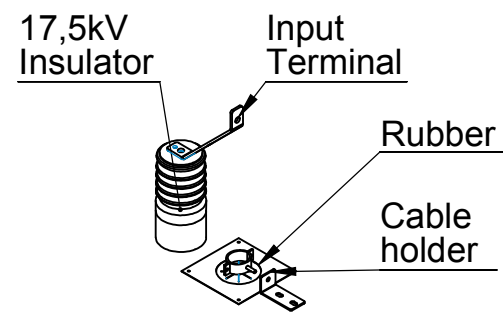
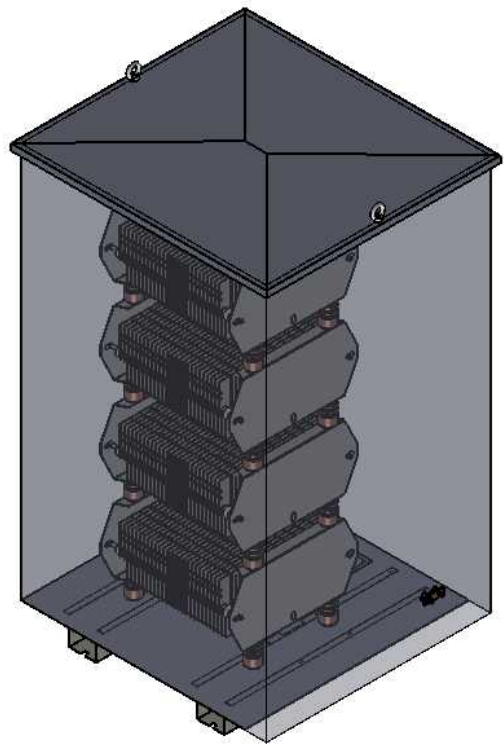
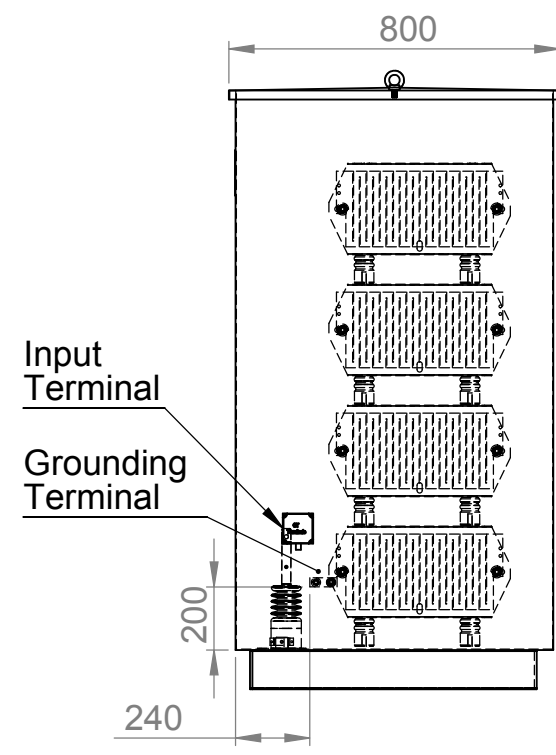
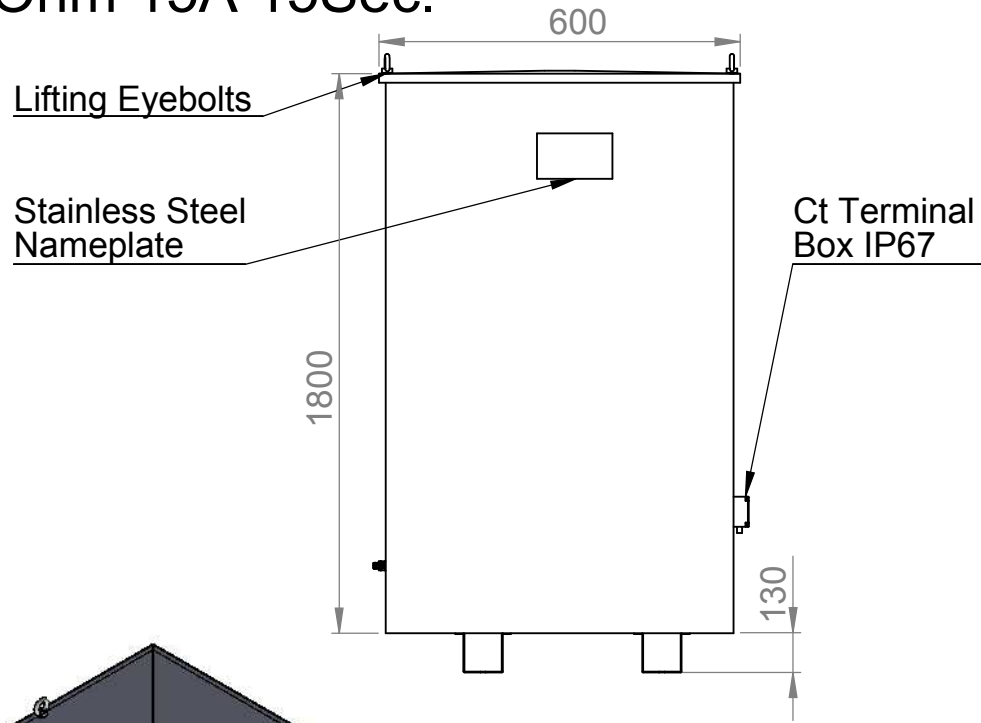


NEUTRAL GROUNDING RESISTOR

430Ohm 15A 15Sec.



GERMAREL

Electrical Resistors



Drawing No:	NGRL.15.03.104	Type:	NGRL
Operation Voltage	11 $1/\sqrt{3}$ 50-60 Hz	(kV)	
Rated Voltage	12 $1/\sqrt{3}$	(kV)	
OhmicValue at 20 °C	430	% 5	(ohm)
Operation Duration (t)	15		(sec)
Rated Short Time Current	15		(A)
Rated Continuous Current	1		(A)
Duty Cycle	10	sec.	1 hour
B.I.L(Basic Ins. Level EN60071-EN60060)	12/28/75	Cont/1min/1us	(kV)
Insulation (EN60273)	Porcelain and Air		
Resistor Material	Stainless Steel Alloy AISI304	Type	Wound
Resistor Temperature Rise After 't'	<760		(Deg °C)
Max. Resistance Ration After Operation Duty	<50		(%)
Max. Ambient Temp.	60		(Deg °C)
Min. Cooling Down Time	one		(hour)
Input	Terminal	Output	Bushing
Protection Degree (EN60529)	IP23	(outdoor&indoor)	
Enclosure (EN10327)	Hot-dipped/pre galvanised steel		
Painting	Electrostatic powder paint	Color	RAL 7032
Current Transformer	15/5A 5P20 20VA		
Voltage Transformer	11/V3:110/V3 CL0,5 10VA		
Relays	n/a		
Lighting Arrester	n/a		
Dimension (w.l.h.)	1150x1150x1800	Weight (kg)	460
	NAME	DATE	SIGN
DESIGNED BY	K.Dogru	06.01.2014	
CHECKED BY	Y.Emre	06.01.2014	
APPROVED BY	A.Yilmaz	08.01.2014	

All dimensions are millimeter