1. BASIC DATA OF THE PRODUCT

"Thyristor rectifier 500-3-150A for electromagnet" is intended for the control of lifting electromagnets of direct current with the following electric parameters: current – up to 150A, voltage – up to 230V. It is designed to operate in the following conditions:

- Ambient air temperature from minus 20°C to plus 45°C, with the maximum height above the sea level of 1000 m;
- Non-explosive environment, not containing gases and vapors, destroying insulation.

2. BASIC TECHNICAL DATA

Parameter	Parameter value
Maximal output voltage, V	220 - 230
Demagnetization time, max, sec	3
Maximal load current, A	150
Minimal load current, A	10
Output voltage control range	40…220
Value of controlled leakage current in the electromagnet circuit, mA	30
Duty cycle, %	75
Power	3x380 ± 15%, 50Hz
Ingress protection	IP31
Dimensions, max, mm	500x385x200
Weight, max, kg	20 ± 5%
Mounting dimensions, mm	255 x 360
Index of the general design document	500-3-150A-00.00.00

3. COMPLETE SET

№	Designation	Name	Qty
1	500-3-150A-00.00.00	Thyristor rectifier 500-3-150A for electromagnet	1

4. TEST REPORT

Name of the tested characteristic	Value	
	Required	Actual
1. Maximal output voltage, V	220-230	corresponds
2. Maximal current, A	150	corresponds
3. Minimal output current, A	5	corresponds
4. Electronic protection inspection	Accordance with TU (technical specifications)	corresponds
5. Exterior	Accordance with TU (technical specifications)	corresponds