ELCO MV INRUSH CURRENT LIMITING REACTOR

Inrush Current limiting reactors are designed to mitigate the abrupt high current surges that arises during the switching of capacitors in MV power factor correction systems. They function to limit the current inrush current short circuit currents, thereby protecting the system from damage.

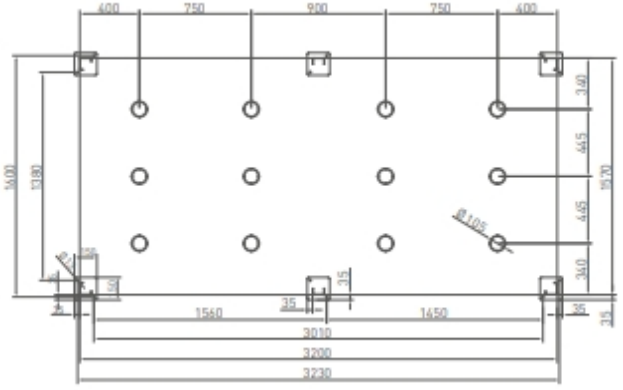
MV Inrush Current Limiting Reactors are single-phase, with their configuration dependent on the connection type, and their installation allows flexibility of use. During switching operations, these reactors are connected in steps to regulate the closing currents of the panel breakers, ensuring safe system operation and protecting the switching components.

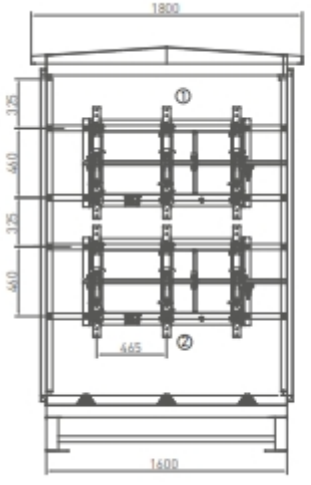
TECHNICAL SPECIFICATION

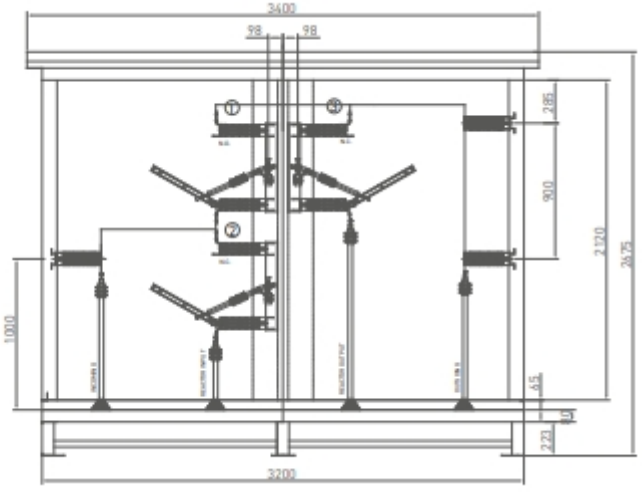
Design	1 phase, Air core, Dry type-series reactor
Installation	Outdoor
Rated Voltage	Rated Voltage up to 35kvar
BIL	36/70/170 kV
Rated Current	According to Requirement
S.C. Current (Thermal)	25 kA/1 sec
Rated Frequency	50 Hz
Inductance	According to Requirement
Tolerance of Inductance	+10% / - 0%
Quality Factor	> 30
Insulation	F class, 155°C
Heating	Heating, B Class max 130°C
Impregnation	Epoxy varnish
Cooling	Natural Cooling / T40
Winding	Aluminium
Terminals	Aluminium
Insulator	Silicone or Porcelain Insulator
Weight	450 kg / Phase (Current Limiting Reactor)
Disconnector Panel Enclosure	IP54 RAL7035 Painted Pre-Galvanized
Disconnector	36 kV 630A 16 kA / 1 sec Manual Type (Qty : 3)
Standard	IEC 60076 - 6 : 2007

PRODUCT DIMENSION

Manual Disconnector Panel







Manual Disconnector Panel

1 Phase CLR