VACUUM CIRCUIT BREAKERS – 11 KV INDOOR

MATRIX
Power Saver
COMPONENTS

SALIENT FEATURES:

- A Compact, Light, Weight Construction, optimized to give minimum weight to KA ratio.
- Superior mechanical endurance limit maintainence required only after 10,000 opertions.
- A unique “U” shaped insulation barries housing for the Vaccum interrupters, imparting maximum mechanical strength against electrodynamic forces & provides most effective phase to phase & phase to earth segregation.
- A screw type racking arrangement for easy insertion & withdrawl of the Circuit Breaker renders perfect contact pressure ,independend of operator’s force.
- A simple motor charged spring operating mechanism noted for its high performance relibility.
- A versalite mechanism capable of operating Vacccum Interrrupters of any type. Hence, dependence on single source of Vaccum interrupters eliminated.
- Trip free mechanism suitable for repeated auto re-closing duty.
- Spring charging time of less than 10 seconds.
- Totally enclosed construction for spring changing motor.
- Easy visual check of contact erosion.

Type	Motor & Manually charged
Charging Time of motorised mechanism	Less than 10 Sec.
Coil voltage*	24/30/48/110/220 V DC
Trip / closed coil power	350 Watts
Motor Operating voltage	230 V AC / DC
Power required by charging motor	80 Watts
Type of closing latch	Designed to close & latch
Auxiliary switch	Up to 8 NO + 8 NC
Mechanical Operating Counter	5 digit non resetting type

*** Different voltage as per customer requirement**

VCB TECHNICAL DATA

Type	**ADL 12.12.25c**
Operating Method	Manual / Motor Spring Charge Type
Rated Voltage	12 KV
No. of Poles	3
Frequency	50 / 60 Hz
Rated Current	630 / 1250 / 2000 Amp
Short Circuit Current	13.1 / 20 / 25 / 31.5 KA
Making Current	33 / 60 / 62.5 KAP
Duration of Short Time Current	3 sec.
Insulation level Impulse **Power Frequency rms**	75 / 95 KVP 28 KV
Contact Travel	7 (+1, -1) mm
Opening Time	Less than 2 cycles
Interrupting Time	Less than 3 cycles
Closing Time	Less than 3 cycles
Duty Cycle	0-0.3 sec. -CO-3 min-CO
Applicable Standard	IEC 62271-100, IS 13118