



2020

RMU Air Type catalogue

CHNT | **EGEMAC**



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APPLICATION

CE6 12KV& 24 KV is an air-insulated, three-phase, medium voltage secondary switchgear. The system includes several standardized cubicles which can be delivered either as a complete switchgear or as individual cubicles.

CE6 12KV& 24 KV secondary switchgear is designed for use in general and industrial applications in 12 KV – 24 kV electrical distribution networks such as:

- Utilities
- Buildings
- Industry
- Infrastructure



Main Feature

- Compact design.
- High operating reliability.
- Simple maintenance and easy connections.
- Simple mechanism with high no. of operation.
- Safe, with very fast arc damping and Easy for Cable connection
- Flexibility, can be supplied with any configuration as per client request indoor /outdoor , with /without measuring devices
- Can be connected with Scada System



Standard

All Ring Main Unit are designed , Manufactured and tested according to the following IEC Standard :

- IEC 62271-200 for Medium Voltage switchgear and control Gear
- IEC 62271-102 For Earthing switch
- IEC 62271-103 For Load Break switch for cable & IEC 62271-105 For Transformer Load Break switch

R.M.U Technical Data :

Description	12 KV		24 KV	
	Incoming LBS	Outgoing LBS	Incoming LBS	Outgoing LBS
IEC standard	IEC 62271-200			
Type designation	CE6-12	CE6-12RAF	CE6-24	CE6-24RAF
Rated voltage	12 KV		24 KV	
operating voltage	11 KV		22 KV	
Rated frequency	50 HZ		50 HZ	
Rated lightning impulse withstand voltage	75 KV		125 KV	
Rated power frequency withstand voltage	28 KV		50 KV	
Rated normal current	630 A	400A, 630A	630 A	400A, 630A
Rated short-time withstand current	25 KA/ 1 Sec		25 KA/ 1 Sec	
Rated peak withstand current	62.5 KA		62.5 KA	
System Configuration	As per Customer requirement's (1+1), (2+0) , (2+1), (3+1) , (4+0) indoor / Outdoor type			

Load Break Switch Type

1- Cable Feeder Load Break Switch

The cable feeder LBS is one of a rotary nature and could possibly be hand operated through levers. Each cable feeder is provided the earthing of cables. Mechanical interlocking between each load break switch exists and is closely associated with an earthing switch. All switches are rated for operation at ambient temperature up to 50°C.

2- Transformer Load Break Switch

The transformer LBS is suited for transformer protection and is complemented with 12 or 24 KV H.R.C. fuses. Its specifications match those of the cable feeder load break switch.

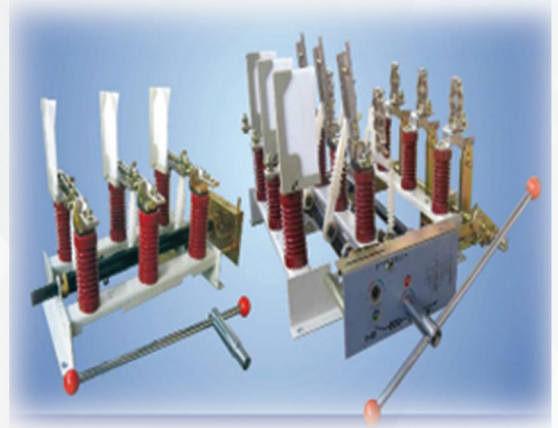
LBS - Accessories

● Shunt trip coil release

These are utilized when the load break switches off by means of an auxiliary Voltage

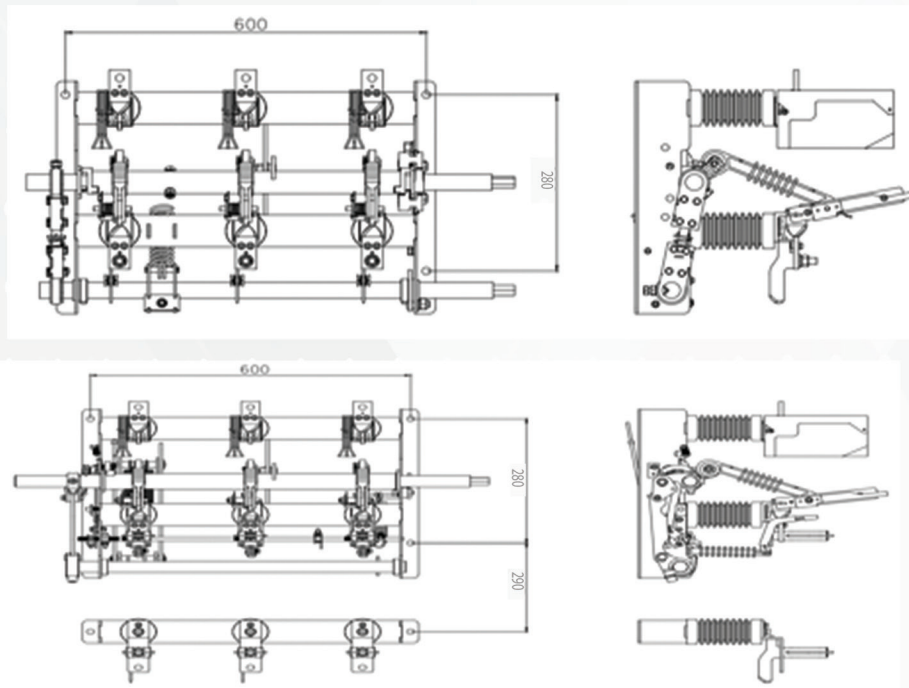
● Auxiliary switches

These can be mounted on all switch types; they are operated by the switching shaft

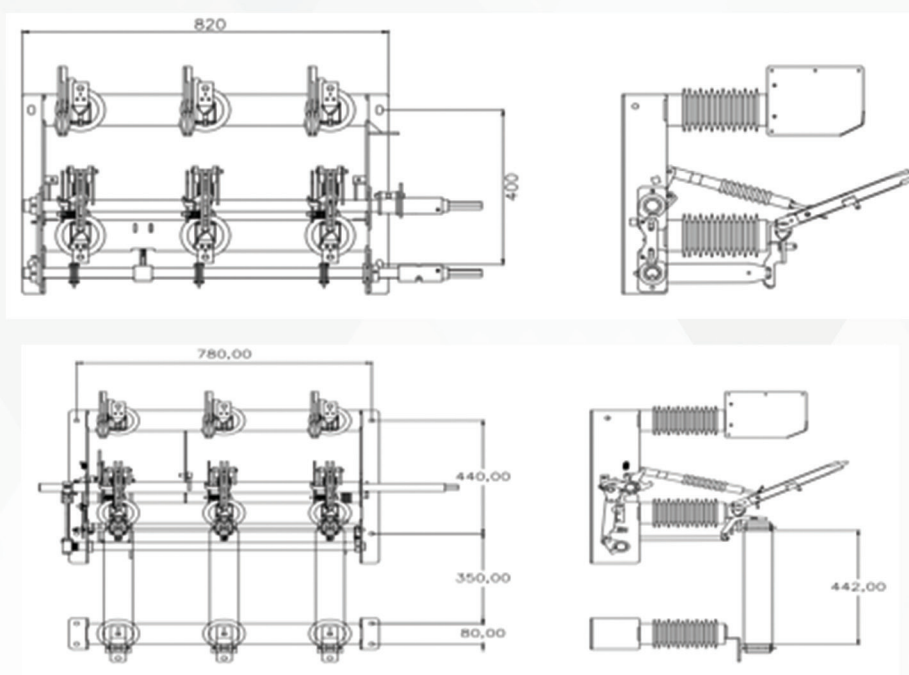


Load Break Switch drawings

- Load Break Switch 12 KV For Cable & transformer






- Load Break Switch 24 KV For Cable & transformer



Load Break Switch Technical Data

Description	12 KV		24 KV	
	Incoming LBS	Outgoing LBS	Incoming LBS	Outgoing LBS
IEC standard for LBS	IEC 62271-103	IEC 62271-105	IEC 62271-103	IEC 62271-105
IEC standard for LBS earthing switch	IEC 62271-102	---	IEC 62271-102	---
Type designation	FN7-12/630-25	FN7-12/630-25	FN7-24/630-25	FN7-24/630-25
Rated voltage	12 KV		24 KV	
operating voltage	11 KV		22 KV	
Rated frequency	50 HZ		50 HZ	
Rated lightning impulse withstand voltage	75 KV		125 KV	
Rated power frequency withstand voltage	28 KV		50 KV	
Rated normal current	630 A	400A, 630A	630 A	400A, 630A
Rated short-time withstand current	25 KA/ 1 Sec		25 KA/ 1 Sec	
Rated peak withstand current	62.5 KA		62.5 KA	
Pole Center mm	175		270	
Mechanical endurance (M2)	5000 operation		5000 operation	

Type Test Certificates


160408223396 中国认可 国际互认 检测 TESTING CNAS-2009 机检电 (2010) 46号

No.20190108B

检 验 报 告

Test Report

Test Object: CE6-24 Air Insulation RMU
Tested For: Beijing APT Systems Inc.
CHINT-EGEMAC for Electrical Products Co., Ltd.
Manufacturer: CHINT-EGEMAC for Electrical Products Co., Ltd.
Test Type: Commission Test



机械工业高压输配电设备质量检测中心
 Machinery Industry High-voltage Transmission and Distribution Equipment Quality Inspection & Testing Center
上海电气输配电试验中心有限公司
 Shanghai Electric Power Transmission & Distribution Testing Centre Co., Ltd.






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Test Report

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Manufacturer: CHINT-EGEMAC for Electrical Products Co., Ltd.
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HV LAB & EEHC Certificates





DNV GL ISO 9001:2015 160408223396 中国认可 国际互认 检测 TESTING CNAS-2009 机检电 (2010) 46号

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**Since
2016**

**3 Million
USD**

**150
employees**

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Empower the World

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