



# HAMIAN FAN ( HF Co. )

## TYPE HF125

## PRIMARY RELAY



### Features

- Optimal small dimensions
- Less power consumption
- Flexibility in manufacturing different range
- Ability to deactivating time-lag module
- By considering flags on relay, from a long distance user can find out which phase is not in order
- This relay can be mounted on high voltage circuit breaker produced by local supplier (33,24,20,11,6,3 kv)
- HF 125 is adapted for operation in all kind of tropical climate
- Show the current passing through relay for each phase (option)

### Application

This type of relay protect high-voltage and medium voltage network against overcurrent and short circuit faults.

When current passing through relay exceeds permitted current level, relay will cause tripping of the circuit breaker.

### Description

Primary relay HF125 operates with two different instantaneous and delay mechanism, each one will be affected separately and will cause the circuit breaker to be released.

Depending on the setting of the relay in any of the above cases, when the current of the current scale, if will energize the solenoid coil and the movement of the solenoid shaft moves the striker.



Technical data  
**TYPE HF125**  
PRIMARY RELAY

---

Nominated frequency :	50 Hz
Current range of time – lag module :	(1-2)In
Current range of instantaneous module :	(2-9)In
The operation time error :	± 10%
The operation current of instantaneous module :	± 5%
The operation current error of time-lag module :	± 10%
Time range of time-lag module :	(0.4-9) sec
Power consumption :	Max.(60VA)
Return time for operation again :	0.2 sec >
Type test has been done :	125 In
Stroke of releasing lever (striker)	18 mm
Short circuit current :	20KV
Weight	4.5 kg
<b>Range of products</b>	7-14A , 10-20A , 16-32A 20-40A , 25-50A , 30-60A, 40-80A, 50-100A, 80-160A , 125-250A , 150-300A