



GMDL-02A HV Circuit Breaker Analog Device



General Information

GMDL-02A HV Circuit Breaker Analog Device is manufactured according to the principle of large scale field programmable gate array, power electronic device with protection function, etc, the trip coil in independent circuit design and application to electric power system, industrial and metallurgy enterprises, scientific research institutes, universities, and professional protection manufactures, etc.

Features

- Simulate the 6-110KV voltage grade three phase and phase operation, the movement behavior of single trip coil of the circuit breaker, Accurate breaker replacement equipment of relay protection and automatic device with switch when doing the entire system transmission test, accurate reflecting action and reliable operation.
- Improve the accuracy and completeness of the test, minimize the number of actual circuit breaker action.

Specification

- Supply voltage: AC220V \pm 10% 50Hz, working current is less than 0.5A.
- Tripping & Closing operation voltage: DC200V or DC110V.
- Tripping & Closing operation time

Tripping operation time selection: 20ms, 30ms, 40 ms, 50 ms, 60 ms, 70 ms, 90 ms, 110 ms, the error is not more than \pm 5ms.

Closing operation time selection: 40ms, 60ms, 80ms, 100ms, 200ms, 300ms, 400ms, 500ms, the error is not more than \pm 5ms, (500ms, the error is not more than \pm 20ms).

- Tripping & Closing operation current

Tripping resistance selection: $\infty\Omega$, 100 Ω , 200 Ω , 400 Ω

Closing resistance selection: $\infty\Omega$, 100 Ω , 200 Ω , 400 Ω

Tripping & Closing operation current while automatically cut off by the control of the Tripping & Closing operation time.

- Manual tripping operation. When using the "Manual tripping button" & "Manual closing button" to operate the HV Circuit breaker analog system on the panel, there is no current flow through the coil of the device.

- The circuit breaker failure. Press the circuit breaker failure button, the circuit breaker dose not move, the tripping & closing current 1s delay after disconnect, and then recovering current state by 20s.
- Out put Contact capacity: DC220V/0.5A, AC220V/5A.
- The circuit breaker output contact position: 12 pairs output contact position, independent of each other. Divided into tow groups, corresponding to the circuit breaker trip coil.
- Manual tripping & closing contact position: the manual tripping & closing button are respectively provided with a pair of synchronized output normally opening contact. When press the manual tripping & closing button, connect the contact. The manual closing contact keeps self maintenance after action, and resets by tripping contact. When the manual tripping button released, the manual tripping contact delay 60ms to return.