

Operating Mechanism

The operating mechanism allows to operate Disconnectors and/or Earthing Switches can be single-pole or three-pole by motor mechanism or a manual mechanism. For three-pole operation, the poles are interconnected each other with adjustable coupling rods which allows using only one operating mechanism.

All mechanism and control components are attached to the body and installed 7 mm cast aluminum sheet housing. Control cubicles have no hole from inside to outside preventing components from water or humidity with a protection class of IP 55. Operating mechanism contains stainless auxiliary contacts for position indication.



Motor Operating Mechanism consist of of totally closed DC motor to protect windings with gear box, stainless auxiliary switches and control panel with motor control contacts and control push bottoms. Both remote control and local control by push buttons are available. It is possible to operate manually by hand crank which is well located in the cubicle. If the cubicle is opened it's not possible to control remotely to prevent any accident. Up to 10000 times open and close operation is guaranteed.

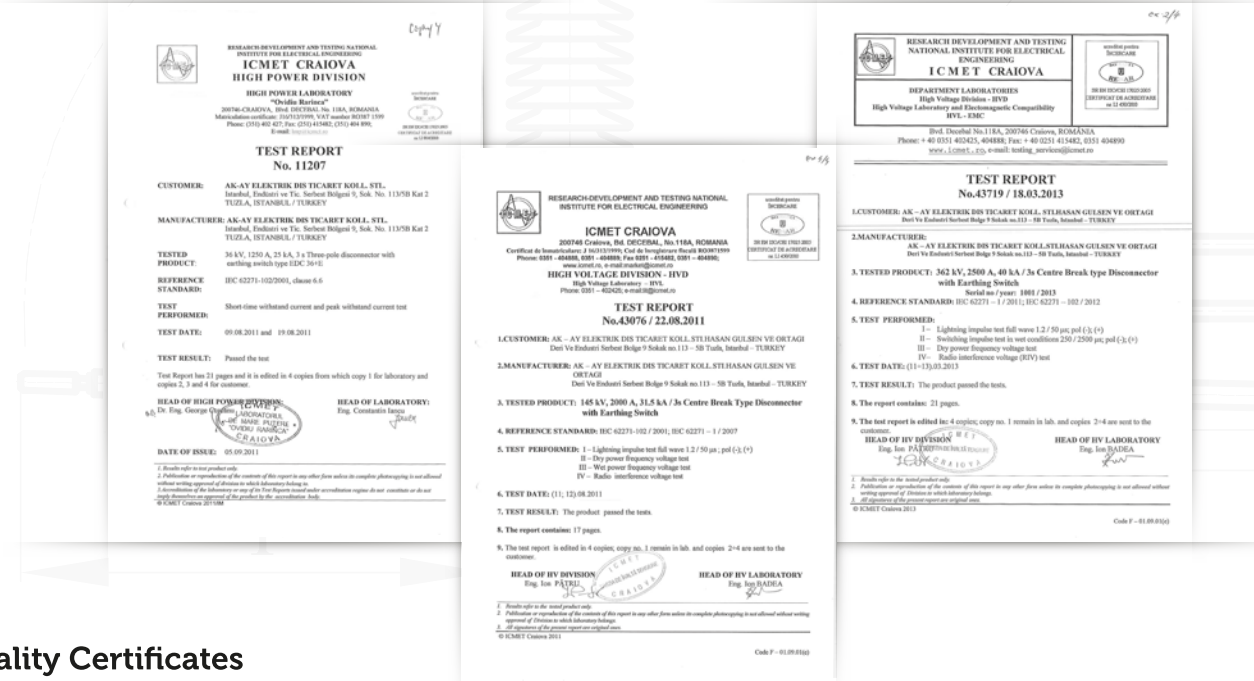
Depending on customer requirements hydrostat or thermostat options are available allows to operate at outdoor desertic/tropical environment without failure.



Quality and Tests

Type Test Certificates

The type tests on the disconnectors were performed successfully in ICMET as independent test laboratory in Craiova/Romania. During manufacture, all components are continuously subjected to quality tests at AK-AY High Voltage Test Laboratory in order to ensure consistent high quality of products.



Quality Certificates

AK-AY Disconnector manufacturing site is certified according to ISO 9001, ISO 14001 and OHSAS 18001. AK-AY designs, manufactures, tests and delivers in accordance with latest IEC 62271 - 102 and IEC 60694 Standards.



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