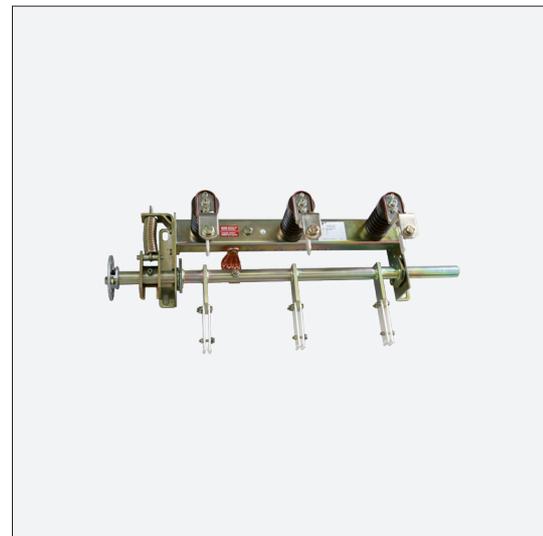
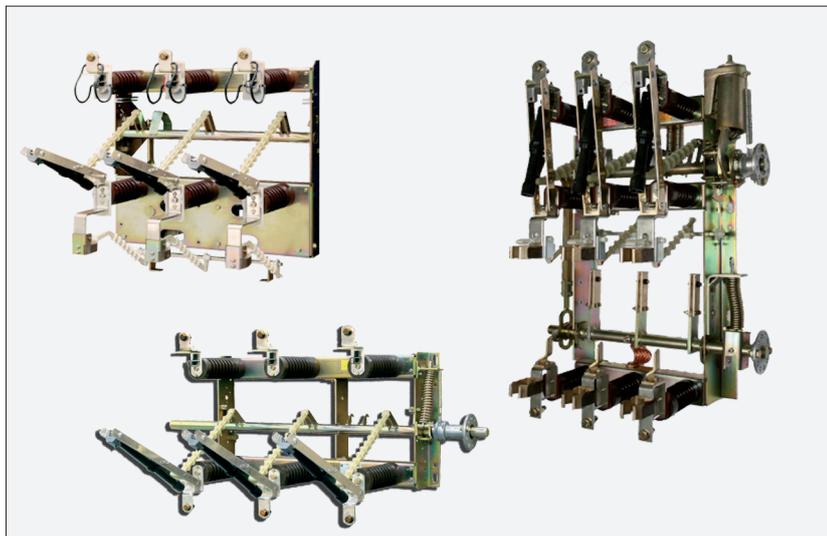


# Medium-voltage Load break switches, -break switches,-grounding switches



With uesasa-medium-voltage load break switches, break switches and grounding switches, devices are at the disposal of switch gear, which have proved their technical quality and economic efficiency. The medium-voltage load break switches KL, KLF, break switches T and grounding switches DES, EUK, EOK with a rated voltage of up to 24 kV and a rated current of up to 630 A are used in distribution networks of energy supply companies and in industrial networks of smaller and medium-sized companies with low switching rates. Because of the compact dimensions these switches can be integrated as built-in devices into existing switch gear concepts of various producers

Important characteristics of switching devices are:

- High operating safety through simple but reliable construction,
- Simple maintenance and control
- High dynamic and thermic strength
- Tested in international test terminals.

The load break switches KL, KLF have enclosed tilting tube arcquenching systems (power interruption without visible arc) and belong to the group of hard gas switches. These produce the for the arcquenching required extinguishing agent (gas) themselves. Spring-operated drives or stored energy spring-operated drives act indirectly and promptly on the movable contact blades whose speed thus becomes largely independent of the actuation of the drive. Load break switches KL are used as cable and transmission switches. Load break switches KLF with HH safety switch and tip-free triggering are used as transformer switches.

Break switches T are produced without arcquenching systems without mechanical spring drives.

Grounding switches DES, EUK, EOK can be delivered optionally with quick switch on device (E1). The grounding switch DES is foreseen for universal application. The grounding switches EUK, EOK are specifically suitable for the attachments to load break switches KL, KLF and to break switches T. They are optional ex-works and mountable below or above the load break switches or the break switches. The grounding switches EUK, EOK are mechanically locked to the load break switches or break switches.

Optional equipment is deliverable:

- HH safety switches below or above the load break switch KLF, mounted with lever for trip-free fuse triggering
- Auxiliary switch,
- Message contact, triggered for load break switch KLF,
- Working current activator for load break switch KLF,
- Motor drive for load break switches KL, KLF and break switch T,
- Switch lever with ring eye (for shift rod use)
- Blade drive with rods (1500 or 2000 mm long)
- Rotary drive for lateral pivotal lever activations

The switching devices are certified according to European IEC EN as well as Russian GOST-norm.