**FUSE COMBINATION SWITCHES (32 to 1250A)**

**The Fuse Combination Switches range must comply with the following characteristics:**

* Right side, left side or front operation, direct or external
* Side operation must be possible without any additional kit (basic function of the switch fuse)
* The switch must be provided in 3 poles or 4 poles
* It must be able to disconnect and to switch on load all the poles simultaneously
* The switch must be provided with a black or red handle, padlockable (3 locks) in OFF (0) position when fitted with direct or external operation handle.
* The switch casing must be made of white polyester reinforced with glass fibers. The white polyester material allows visual control of product’s state and fast identification of premature ageing of the product due to abnormal heat rise.
* The switching internal system shall be based on silver plated contact points technology to allow the use of the product in polluted environment
* The switch fuse must be able to make and break inductive loads up to 690VAC AC-23 utilisation category according to IEX 60947-3 standard
* Breaking capacity with gG fuses : 100 KA rms
* The switch must be « maintenance free ».
* The operating mechanism must ensure fully visualized position indication and reflect the exact state of internal contacts, as well as making and breaking operations must be instantaneous and independent of the operating speed.
* External operation handle shall provide the possibility to bypass the door interlocking system, using a special tool, while switch fuse remains in ON (I) position
* On demand, the switch shall be provided with a test position; in « Test » position, only the auxiliary contacts are operated.
* The switch shall provide double break system per pole (upstream and downstream of the fuse) in order guarantee a safe fuse replacement
* The switch shall have the possibility to be equipped with a mechanical or electronic fuse melting detector
* In case of direct operation handle, an interlocking system must guarantee the fuse covers cannot be open when switch fuse is in ON (I) position
* Terminal shrouds (upstream and downstream) shall be fixed by clips; auxiliary contacts (NO/NC or NO+NC) shall be mounted by clips or screws
* The switch shall allow a configuration of auxiliary contacts and shall be able to receive at minimum 2 + 2 auxiliary contacts (NO or NC)
* Terminal connections of all poles shall be of the same identical and sized for connection of cables, lugs or busbars
* In order to have a standard range of product, the switch manufacturer shall be able to provide product of the same type for DC installation
* The switch fuse must be certified CEI - EN 60947-3, NBN-60947-3 et BS-EN 60947-3 , UL 98 & CSA 22.2 Nr .4 , UL 508A & NFPA 79
* The switch fuse shall be designed to receive the fuses of NH type, BS type, cylindrical (ferrule) NF or class J, T & L.
* The switch fuse shall be able to receive Fast Acting (for the protection of semiconductor devices); thermal compatibility of both switch and fuse link must be taken into account
* It must be certified Asefa & KEMA
* The switch shall function without derating when the ambient temperature is not exceeding +40°C and average temperature during the period of 24 h in not exceeding +35°C. Derating factor shall be applied for higher ambient temperatures.
* This product must be a Fuse Combination Switch type, Socomec Fuserbloc or equivalent