Elesa standard components for machine enclosures and guards

Elesa standard components support the construction of machine enclosures and guards made using standard aluminium profiles and acrylic or polycarbonate panels, where it is often important to produce custom sizes to suit the specific machines involved. This is generally to ensure that operators are kept at a safe distance while the equipment is live and dangerous. It is normal therefore to provide access doors, e.g. for operation of switches, control buttons, screens and keypads, or for actual personnel access in which case the Elesa CFSW hinges provide safety power cut off once the door starts to be opened. The operator is protected and may gain safe access when required, but is also unable to make adjustments while the equipment is running, which could potentially lead to catastrophic damage.

The CFSW hinge features an inbuilt multiple switch which automatically cuts the power supply to protect the operator. This IP67 double insulated hinge can be subjected to frequent cleaning cycles and can be used in any situation or environment where special attention to cleaning and hygiene is required, such as in food processing or pharmaceutical production. Its small size, with various assembly and output options, make this product easy to install on the most common aluminium profiles of 30 mm minimum width.

Complimentary to the CFSW hinge Elesa offer their BMS series snap door lock coupled with GN 676.5 stainless steel hand knobs to complete the door arrangement. Rugged glass reinforced technopolymer BMS snap locks provide a convenient snap-close/snap-open function or snap-closed/lift-to-open, as well as snap-closed/ release-with-key for greater door security.

GN 676.5 hand knobs match the stainless or aluminium aesthetic, having a high-quality matt finish edged with plain or knurled rims to ensure a positive grip for opening/closing of enclosure doors. They are especially designed for use in harsh environments where they are resistant to chemicals and gasses which would degrade less robust materials.

Further information regarding Elesa products may be found here.