



OVERVIEW

Collective protective devices are intended to prevent or to decrease the actions of risk factors upon one or more workers. Usually, collective protection materialises mainly by the provision of installation with devices and appliances designed for the sole purpose of protecting the workers during the work process.

The same category includes protection means for **delimitating of the working area**, intended to prevent the injury of work team members, but also of persons who may enter the work area by accident.

The material separation of the working area is performed by **mobile temporary enclosures** intended to outline the work area clearly. Usually, these enclosures are used together with **warning safety signs**.

Also designed to prevent the unauthorised access of persons in live power installations, **permanent equipment and devices are recommended to prevent access** to cabinets or in substations.

In order to prevent the incorrect handling of actuators of electrical equipment, it is recommended to use the visible indication of equipment status (live equipment, de-energized equipment / earthed / in overhaul) and to limit the actuation device using the **mechanical locks**.



Mechanical locks - heavy duty / steel plate version

Code: see the table

Mechanical locks - heavy duty / steel plate version - are used in particular against the unauthorised access of persons in substations or in the power installations inside the cabinets. Given their constructive shape, locks are devices that provide mechanical lock-out of access in the area of live power installations. Locks are operated with a special universal key that fits all lock models (they cannot be operated by any type of hand-made key). Locks can be assembled on the metallic doors inside the substations or in cabinets, on their metallic cover and thus cannot be subject to vandalism or destruction.

Mechanical locks - heavy duty versions are manufactured in two constructive versions, by the mechanical monobloc machining of the body (steel or brass - explosion-proof version with the same characteristics and dimensions as the steel versions (BIT 90/BIF 65)).

Mechanical locks - steel plate version are made of steel in two constructive versions, with two dimensions of sizes of the housings, the mobile items being of similar construction in both versions.



Mechanical locks - heavy duty version
BIT 90/ BIF 65



Explosion-proof version



Mechanical locks - steel plate version
BIT 85T / BIF 60T

Code	BIT 90	/	BIT 85T	BIF 65	/	BIF 60T
Recommended place of use	Steel doors in transformer substations			Steel covers in cabinets		
Opening operation	From the outside - by the insertion and push of the special key From the inside - by the operation of buttons on the locking elements (key removed)					
Closing operation	By the removal of the special key from the lock					
Minimum dimensions of the locking socket (mm)	28 x 12					
Stroke of locking elements (mm)	24			18		
Dimensions (mm)	60 x 90 x 28	/	55 x 85 x 28	60 x 65 x 28	/	55 x 60 x 28