

# AC Fusible switches

Fusible switches with high operating load capacity and a high level disconnection insulation; high reliability and safety in abnormal situations, available in two construction models, with a wide range of currents, fusible types and various accessories.

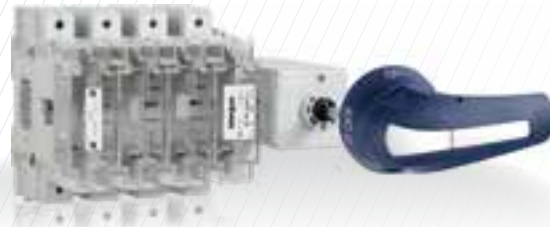
series  
**M11**

series  
**M21**

According to:  
IEC/EN 60947-3  
IEC/EN 61439-1  
RoHs



Testing and approvals:



## Functional and ergonomic handle

- > Good grip and excellent torque/resistance
- > Padlockable handle in **OFF** position (up to three locks Ø 5-8 mm)
- > Door interlock in **ON** position
- > When lock in **OFF** position, door is interlocked
- > Defeatable feature in **ON** position (with the use of a tool for maintenance operations). Handle interlock is restored when closing
- > Self-centering shaft for door handle



The fusible switches in its two series, are manufactured with high safety self-extinguishing materials, providing an excellent level of electrical insulation, low smoke emission and high resistance to electro-mechanical stress.

They combine in a compact unit the function of a switch - disconnecter with the protection against overloads and short - circuits given by the fuses, these once installed remain fixed in the switch, ensuring a long electrical and mechanical life and safe operations for the user.

They comply with environmental requirements and undergo strict quality controls for a reliable product that meets the most demanding requirements.

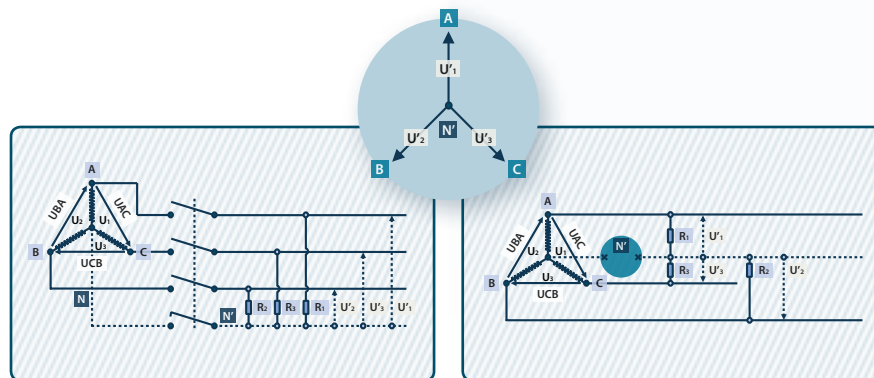
The M21 series consist of a sandwich-type body containing self-cleaning blade type contacts, with pre-arc zones to ensure long term, fault-free energy transmission and coated with silver alloy for long electromechanical life, externally has housings to insert fuses according to the appropriate format. The detent mechanism provides quick and independent switching due to the accumulation of elastic potential energy, which is transmitted at high speed to the contacts for arc extinction.

The M11 series is of modular construction, with the contacts being moved by a cross shaft with tripping being positive opening.

## Neutral pole early make & late break

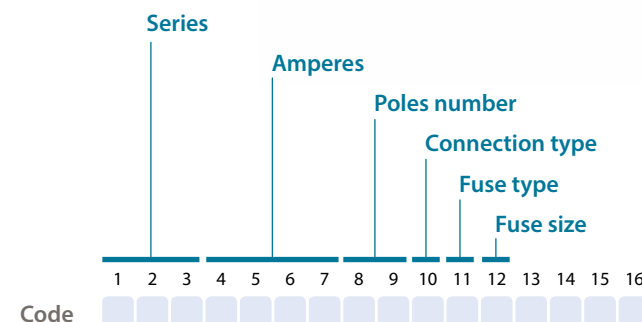
This safety feature prevents accidental overvoltage when making/breaking of loads connected between phase and neutral.

Due to the design in our 3P+N switch - disconnectors and changeover switches, the neutral contact closes before the main phases and opens later, thus ensuring this operation mode.



## Range coding:

The M11/M21 series, are identified by a code that describes their most important characteristics as described below



## series M11



1 2 3 4 5 6  
**M 1 1**

Modular concept.  
Fuse-links cylindrical, NH/DIN,BS.  
Fuse cover interlock in the ON position.  
Different handles depend on the installation mode.

## series M21



1 2 3 4 5 6  
**M 2 1**

Compact model.  
Fuse-links NH/DIN,BS.  
Fuse cover interlock in the ON position.  
Different handles depend on the installation mode.

## series CIF21



IP65

1 2 3 4 5 6 7  
**C I F 2 1 C**

M11 metal enclosed fusible switch.  
External padlockable handle with locking door in ON I position.  
Removing door blocked by padlock when handle is in OFF position.

## series CIF22



IP65

1 2 3 4 5 6 7  
**C I F 2 2 C**

M21 metal enclosed fusible switch.  
External padlockable handle with locking door in ON I position.  
Removing door blocked by padlock when handle is in OFF position.