

Fuse device offer

# Another approach to electrical protection



**Schneider**  
Electric



# Fuse solutions from the world leader in electrical protection

As world leader in electrical distribution and protection, Schneider Electric proposes a fuse device offer that is one of the most flexible and comprehensive on the market. Essential functions combined with advanced features such as measurement and remote control, make the Schneider Electric fuse device offer a "best in class" solution to guarantee electrical protection of industrial applications.

## The essentials of electrical protection

Schneider Electric fuse devices represent a comprehensive and optimized offer, designed to perform the **3 essential functions of electrical protection**:

- 1- **Switch function** for circuit on-load control
- 2- **Fuse function** against short-circuits and overloads
- 3- **Isolation** from the power circuit



The most complete fuse device offer in single and double breaking: switch disconnecter fuses, fuse switch disconnectors, and disconnecter fuses.



TeSys GS  
32 to 1250 A

## Double breaking offer: Switch disconnecter fuses

### Functions:

- > Short-circuit and overload protection
- > Isolation
- > On-load switching of circuits



Fupact INF  
32 to 800 A



- > High level of safety thanks to the upstream and downstream double breaking
- > Fast opening and closing
- > Opening and closing operations are independent of the operator's action



Fupact ISFL  
160 to 630 A

# Schneider Electric fuse device offer: another way to meet your electrical protection requirements

The Schneider Electric fuse device offer gives you maximum safety, high performance and compliance with international standards and certifications.

## Complete Schneider Electric solution

Fuse solutions offering **a perfect integration into Schneider Electric functional and universal electrical enclosures:** Prisma Plus, Prisma IPM, Canalis, etc.

Schneider Electric offers complete electrical protection and distribution systems including fuse devices.

## Simple and flexible

> **Easy to choose** thanks to an optimized catalogue

> **Easy to install** Smart features, flexibility in terms of current footprint, cable connections, product position, etc.

> **Easy to use** Standard operating process and simple maintenance.

## Designed for safety

**Engineered to ensure safety of persons and equipment:**

interlocking to prevent access to fuses when the switch is on the closed position, double isolation, testing of auxiliaries possible with no need to close main contacts, high IP level, etc.

## Fully compatible

Schneider Electric fuse solutions have been **designed for use with all fuse-links** complying with switchgear standards:

- > BS 88-1/8-4
- > DIN 43620
- > NFEN 60269-1/60269-4
- > NFC 63 220

## Fully certified

The Schneider Electric fuse offer **complies with international standards and certifications** for switchgear:

- > IEC 60947-1 and -3
- > EN 60947-1 and -3
- > IEC 60269
- > EN 60269-1 and -4
- > CCC certificates



Fupact ISFT  
100 to 630 A

## Single breaking offer: Fuse switch disconnectors

**Functions:**

- > Short-circuit and overload protection
- > Isolation
- > On-load switching of circuits



- > High level of reliability against short-circuits
- > High flexibility on busbar systems
- > Opening and closing operations are dependent on the operator's action



TeSys DF\*  
25 to 125 A

## Disconnectors fuse

**Function:**

- > Short-circuit and overload protection



- > High level of reliability against short-circuits
- > Modular design for DIN rail installation
- > Compact size

\*For further information see brochure DIA1ED1061201, available on [www.schneider-electric.com](http://www.schneider-electric.com)

# Double breaking fuse solutions: Fupact INF and TeSys GS switch



## Motor control centre applications: Power and control your industrial motors with TeSys GS

TeSys GS switch disconnector fuses are designed for applications such as:

- > Motor starters: DOL, Star-Delta, softstarters (switch fuse for isolation and short-circuit protection).
- > Variable speed starters with frequency converters.
- > Machine types: HVAC units, industrial cranes, hoists.
- > Industries: paper, steel, ports, automotive, power, mining, rail, oil & gas.
- > Safety or emergency stop.



## Power control centre applications: Ensure your power distribution with Fupact INF

Fupact INF switch disconnector fuses are:

- > Distribution switchboards.
- > Disconnection, isolation, locking and primary control of incoming circuits.
- > Categories AC21/AC22 for electrical distribution, AC23 for motor feeders.
- > Safety or emergency stop.



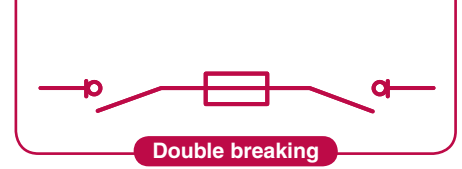
Electrical  
distribution



Machines

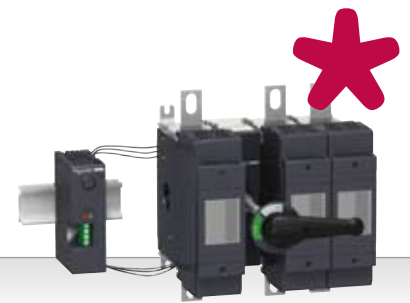


Industry



# disconnector fuses

## Designed for a high level of safety



### Maximum safety

- > Interlocking to prevent access when the switch is closed.
- > Double isolation, upstream and downstream when the switch is open.
- > Auxiliary circuit testing.
- > IP20 snap-on shrouding.
- > Reliable position indicators.

### Flexible solution

- > Compatible with all fuse standards: BS, DIN and NFC.
- > Adapted to all electrical installations, even for highly unbalanced conditions.

### Compact design

- > Very small footprint and compact volume, especially for Fupact INF.
- > No extra space needed for auxiliary contacts. When mounted, their volume is included in the device's standard footprint.

### Combine efficiency and intelligent control thanks to the fuse monitor

Available for the Fupact INF range, the fuse monitor is more than an accessory. Its protection and monitoring functions make the fuse monitor almost indispensable:

- > A common monitoring solution for the complete range.
- > Automatic reset of the fuse monitor after replacement of a blown fuse.
- > Auxiliary contacts for different functions: alarm, tripping of a remote device, etc.
- > No need for striker-type fuses, leading to a significant cost reduction.



# Single breaking fuse solutions: Fupact ISFL and Fupact ISFT fuse



## Fupact ISFT fuse switches

- > Power distribution: secondary distribution circuits (AC21 / AC22 categories).
- > Powering and control of industrial motors as local isolation device (AC23 category).



## Fupact ISFL fuse switches

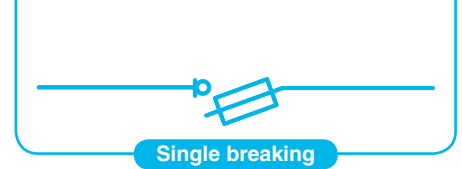
- > Main power distribution switchboards.
- > Public power distribution for Power Supply Companies.
- > Categories AC21/AC22 for electrical distribution, AC23 for motor feeders.



Electrical  
distribution



Industry



# switch disconnectors

## Simplicity and flexibility for your busbar applications



### Flexibility

- > Adapted to all busbar systems:
  - Fupact ISFL:** 60/100/185 mm, present in main switchboards;
  - Fupact ISFT:** 60/100 mm, present in secondary switchboards.
- > Also compatible with installation on mounting plate.
- > High flexibility in cable connections. Additionally, for Fupact ISFL, new terminal box allowing cable lug or direct connections.
- > For Fupact ISFL, no extra space needed for current transformer installation.



### Intelligent control and measurement

- > Precise location and fast correction of short-circuit and overload faults thanks to the fuse monitor.
- > For Fupact ISFL, energy consumption control is feasible by the easy installation of the new measuring bracket.
- > For Fupact ISFL, standardized interfaces for all types of measurement devices.



### Simplicity

- > Easily hooked.
- > Turnable contact hooks available for Fupact ISFL.
- > Fast mounting with reduced manual operations.
- > Easy and user-friendly installation.



### Combine efficiency and intelligent control with the Fupact ISFL and Fupact ISFT ranges as well

- > A common monitoring solution for Fupact ISFL range and for Fupact ISFT range.
- > Automatic reset of the fuse monitor after replacement of a blown fuse.
- > Auxiliary contacts for different functions: alarm, tripping of a remote device, etc.
- > No need for striker-type fuses, leading to a significant cost reduction.





## No matter your application,

Schneider Electric provides you with complete electrical distribution and protection solutions combining fuse devices and circuit breakers to perfectly match your needs for reliability, efficiency and performance.



## Benefit from the best of Schneider Electric

Like all Schneider Electric offers, fuse solutions benefit from the experience and the worldwide organization of Schneider Electric:

- > Leadership in electrical protection and power control;
- > Guaranteed product availability;
- > The broadest technical and after sales support;
- > Solutions which are "Tested, Validated and Documented" (TVD).



# Make the most of your energy

[www.schneider-electric.com](http://www.schneider-electric.com)

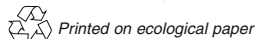
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