

# A perfect fit for power switching

TeSys F AC1 contactors  
1200 A to 2600 A



[schneider-electric.com/tesys](https://schneider-electric.com/tesys)

Life Is On

**Schneider**  
Electric



# Versatile, high-performance switching for all of your AC1 applications

Today, power switching applications continue to evolve quickly. New wind turbine designs are delivering ever-greater power outputs in challenging environments, while the capacity of new classes of photovoltaic power generation is increasing. Space for equipment needs to be optimized.

You need a reliable LV switching solution that addresses a wider scope of applications while adapting to these changing requirements. The TeSys™ F AC1 range is the perfect fit. It keeps pace with the newest AC1 requirements by combining world-class quality and performance with design advantages that make installation, maintenance, and upgrading easy.

## Ideal form, fit, and function

TeSys F meets the size and weight constraints of installations such as wind turbines, without compromising performance or continuity.

- **Optimized size** for reduced panel space
- **Wide-operating temperature range:** up to 60 °C
- **Control for applications between 1200 A to 2600 A, up to 1000 V**
- **Multi-standard offer:** guarantees compliance with international safety standards

## 487 GW

Total global installed wind capacity, end of 2016

Source: GWEC Global Wind Statistics 2016



# A robust switching solution that's easy-to-use

## High reliability, safety, and durability

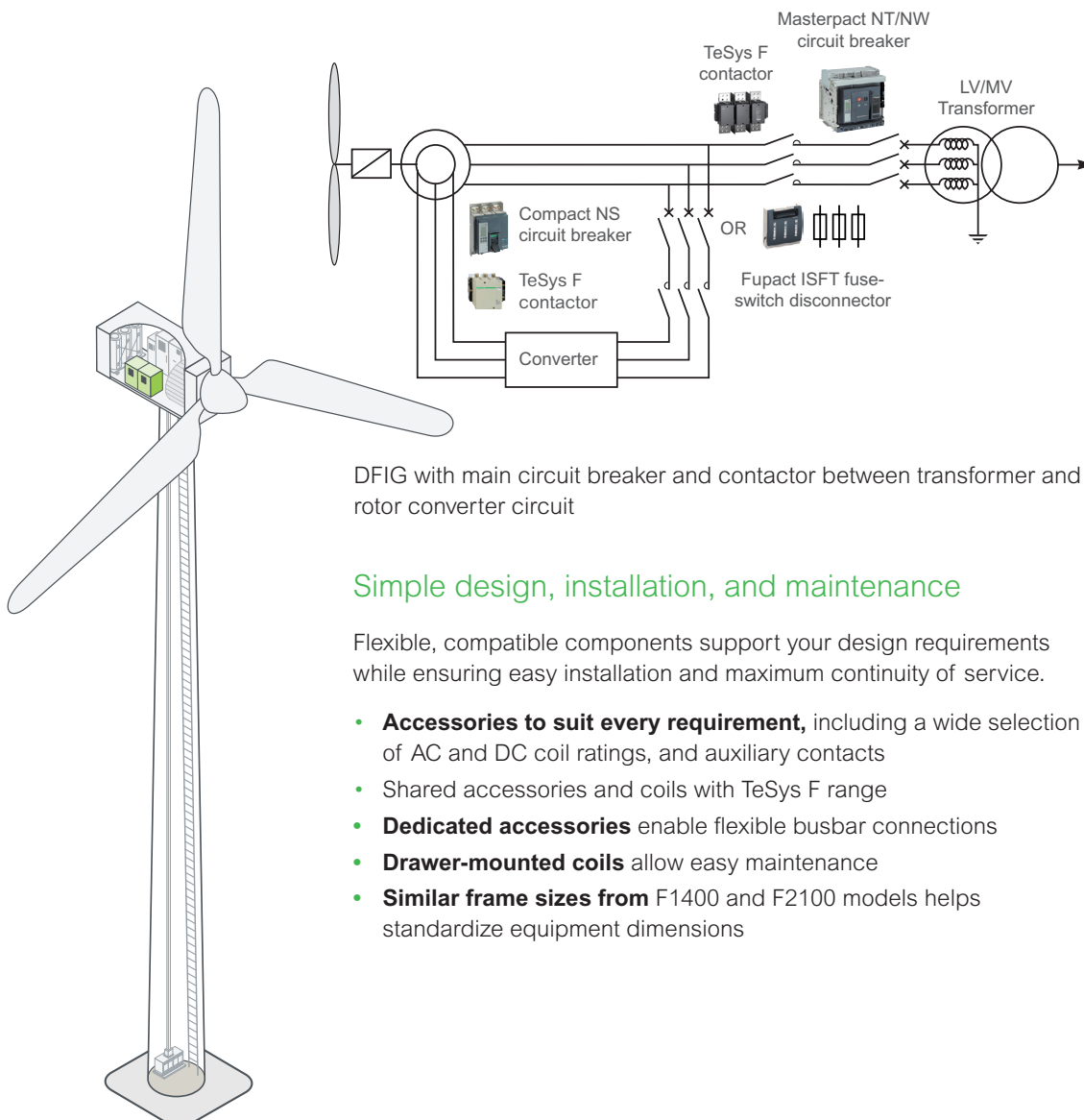
A consistent low-voltage architecture for safer, more reliable operation.

- **Guaranteed electrical coordination** Type 1 & 2 coordination with Masterpact™ air circuit breakers
- **Fully tested, approved, and certified** by national and international bodies: IEC, CCC, cCSAus, cETLus
- **Complete solutions for wind turbine applications**, integrating TeSys F AC1 with Schneider Electric™ control and protection offers, electrical distribution and automation systems, and services
- **Schneider Electric manufacturer warranty** provides complete peace of mind



### Target applications

- Wind turbines
- Photovoltaic
- Data centers



DFIG with main circuit breaker and contactor between transformer and rotor converter circuit

## Simple design, installation, and maintenance

Flexible, compatible components support your design requirements while ensuring easy installation and maximum continuity of service.

- **Accessories to suit every requirement**, including a wide selection of AC and DC coil ratings, and auxiliary contacts
- Shared accessories and coils with TeSys F range
- **Dedicated accessories** enable flexible busbar connections
- **Drawer-mounted coils** allow easy maintenance
- **Similar frame sizes from F1400 and F2100 models** helps standardize equipment dimensions

## Service and support from a global leader

Let us help you coordinate a complete solution for all your power switching applications.

- **Worldwide sales, service, and engineering network**, with local product application experts and service engineers
- **Highly tailored supply chain** to meet your delivery needs
- **Dedicated application guide** for wind power, making product selection easy

### TeSys F AC1 range



|   |                        |      | LC1SF1200 <sup>(1)</sup> | LC1F1250                 | LC1F1400        | LC1F1700 | LC1F2100              | LC1F2600              |
|---|------------------------|------|--------------------------|--------------------------|-----------------|----------|-----------------------|-----------------------|
| Rated operational current (Ie)            | AC1                    | 40°C | 1200 A                   | 1260 A                   | 1400 A          | 1700 A   | 2100 A <sup>(2)</sup> | 2600 A                |
|   |                        | 60°C | 1110 A                   | 1060 A                   | 1190 A          | 1450 A   | 1750 A <sup>(2)</sup> | 2600 A <sup>(3)</sup> |
| Rated operational voltage (Ue)            |                        |      | 690 V                    |                          |                 | 1000 V   |                       |                       |
| Number of poles                           |                        |      | 3                        |                          |                 |          |                       |                       |
| Control circuit                           | AC voltage             |      | 100 to 250 V             | 48 to 600 V              | 110 to 500 V    |          |                       |                       |
|   | DC voltage             |      | 100 to 380 V             | 48 to 250 V              | 110 to 440 V    |          |                       |                       |
| Number of coils                           |                        |      | 1                        |                          |                 | 2        |                       |                       |
| Contact size (mm)                         | width x height x depth |      | 233 x 338 x 232          | 309 x 338 x 255          | 438 x 332 x 239 |          |                       | 519 x 382 x 251       |
| Coordination with fuses / circuit breaker |                        |      | Fuses                    | Fuses/Masterpact NT/NW   |                 |          |                       |                       |
| Certifications                            |                        |      | IEC, CCC                 | IEC, CCC, cETLus, cCSAus |                 |          |                       |                       |

(1) LC1SF1200KUE is supplied with Electronic control module (ECM) & LXE coil which operates with a wide range of AC/DC control voltage

(2) With set of right-angled connectors LA9F2100

(3) With set of right-angled connectors LA9F2600

[schneider-electric.com/tesys](https://schneider-electric.com/tesys)

Schneider Electric Industries SAS

Head Office  
35 rue Joseph Monier  
92500 Rueil Malmaison Cedex-France  
Tel.: +33 (0)1 41 29 70 00  
[www.schneider-electric.com](http://www.schneider-electric.com)

Life Is On

**Schneider**  
Electric