Medium voltage

**NEX** switchgear

Withdrawable circuit breaker

*Quite simply efficient*
NEX, **a simple and flexible solution**

NEX is the result of worldwide acquired experience and provides you with a high level of safety and reliability. It is particularly suitable for the MV section of HV/MV and MV/MV substations. You will benefit from its simplicity and flexibility.

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**NEX, simplicity and robustness**

NEX complies with IEC 62271-200 standard and exists in 3 voltage levels: 12, 17.5 and 24 kV.

**The answer for typical HV/MV substations**

NEX is the perfect answer for general type applications, thanks to:
- pre-designed solutions,
- easy installation and reduced maintenance,
- robust design.

**A design which meets user requirements**

NEX design takes into account three categories of user requirements:
- reliability,
- simplicity,
- safety of operators.

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**NEX is an indoor switchgear assembly intended to meet electrical distribution needs from 1 to 24kV. It incorporates a set of innovative solutions using proven techniques:**

- high-performance breaking devices (Vacuum technology)
- digital protection and control system
- a range of pre-designed and tested cubicles
Evolis circuit breaker: the very best of vacuum technology

NEX is equipped with Evolis, withdrawable, vacuum technology circuit breaker.

The Schneider Electric guarantee
All components of Evolis circuit breaker are produced by Schneider Electric, including the vacuum interrupters, manufactured in an ultra-modern production unit in France. From design to production, our industrial process expertise guarantees a product that meets standards of quality and reliability.

In compliance with standards
At every stage of development and production, Evolis has been subjected to a series of tests to guarantee its performance levels. Evolis is in conformity with IEC 62271-100 standard.

Development and production sites are certified according to ISO 9000: 2000 and ISO 14000.
NEX, a simple design

Busbar compartment
This section connects the switchboard cubicles via busbars.

Low voltage cabinet
This section includes:
- the Sepam protection and control unit
- the low voltage components

Switchgear compartment
This section contains the MV protection devices:
- vacuum breaking devices (circuit breakers)
- lever-type propulsion mechanism for racking in-out
- interlocks to anchor the withdrawable part.

Cable compartment
This compartment, located in the lower part of the cubicle, includes:
- the earthing switch
- the current sensors and voltage transformers.
NEX, **flexibility**

**A complete offer**
NEX is a medium voltage offer comprising cubicles with Evolis vacuum circuit breaker, sensors, MV connections, etc., easy to select and implement.

**Adaptability**
NEX offers you flexible and adapted solutions:
- NEX can take into account technical needs (medium voltage, low voltage cabinet) according to customer exploitation habits.

**Closer to you**
NEX allows a quick response to requests for quotes and tenders, and gives you the benefit of local support centres all over the world:
- NEX is produced in 44 plants, distributed in 17 countries in the world (in 2006),
- you have the guarantee of a Merlin Gerin product, thanks to training, technical assistance, regular quality audits...

Ask for validation certificates.
NEX, a complete offer based on 4 functions.

### Incomer/Feeder (IF)
- Line (LI-B, LF-B)
- Transformer (TI-B, TF-B)
- Generator (GI-B)

### Feeder (motor, capacitor) (IF)
- Motor (MF-B)
- Capacitor (CB-B)

### Bus coupler/riser (BC – RF – RW)
- Switchboard (BS-B)
- Substation (SS-B)

### Metering and busbar earthing (VT - BM)
- Switchboard (BB-V)

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As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.

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