New Functions and Integrated Communication Capability

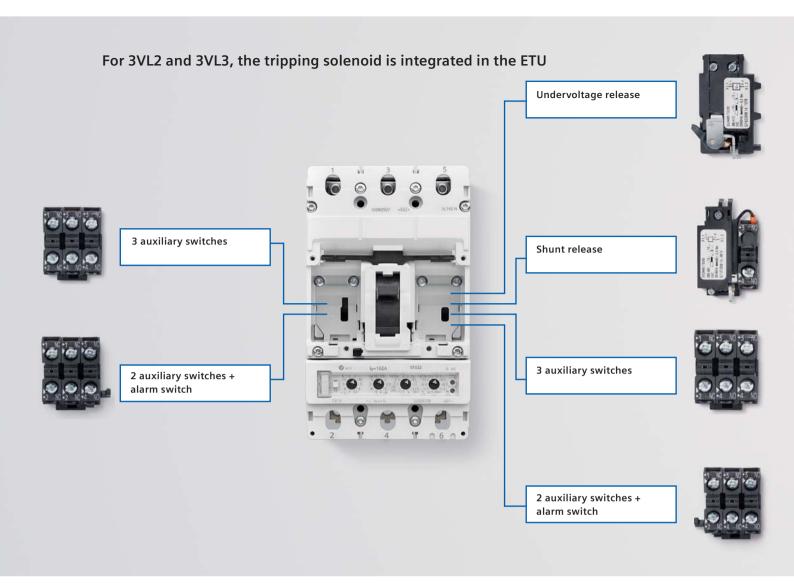
The new SENTRON 3VL ETUs



SENTRON 3VL

Answers for industry.

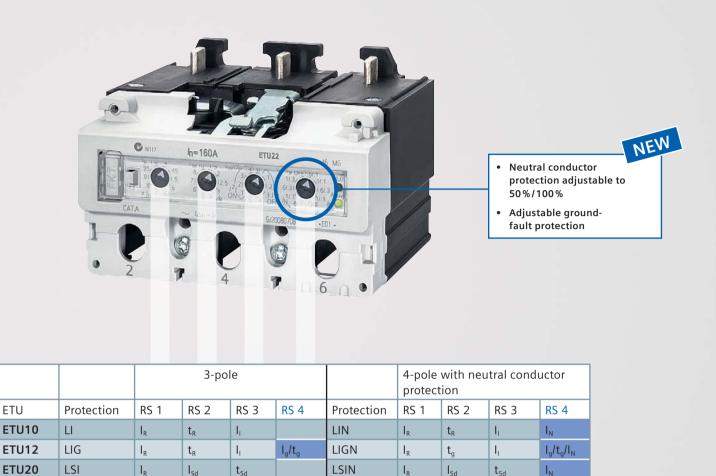
SIEMENS



Maximum diversity for customized application:

The Intelligent Molded-Case Circuit Breakers SENTRON 3VL ETUs

No compromises should be accepted when it comes to your electrical distribution systems' reliability and efficiency. Therefore, opt for our new SENTRON 3VL ETUs! Thanks to an electronic overcurrent trip unit (ETU), these molded-case circuit breakers not only offer overload and short-circuit protection, but feature many further functions as well as integrated communication capability.



RS = rotary switch

LSIG

 I_R

ETU

ETU22

Featuring up to 4 rotary coding switches, the SENTRON 3VL ETUs offer extended setting options such as adjustable ground-fault and neutral conductor protection. In addition, they provide more space for auxiliary and alarm switches as the Maglatch tripping solenoid is now directly integrated in the ETU for all sizes. Thanks to the integration of the new COM20 and COM21 modules, all ETU versions can consistently communicate via PROFIBUS/MODBUS. Of course, all these options can be assembled in accordance with your individual requirements and needs thanks to the devices' modular design and comprehensive accessories.

 I_{Sd}

 I_{α}/t_{α}

 t_{sd}

LSIGN

 I_R

The most important advantages of the new SENTRON 3VL ETUs at a glance:

 I_{sd}

■ Tripping solenoid directly integrated in the ETU with 3VL2 and 3VL3

 t_{sd}

 $I_{\alpha}/t_{\alpha}/I_{N}$

- Neutral conductor protection adjustable to 50 % / 100 %
- Integrated communication capability of all ETU versions
- New COM20/21 modules for connection to PROFIBUS/MODBUS
- Adjustable ground-fault protection
- New ETU versions with demand-compliant equipment



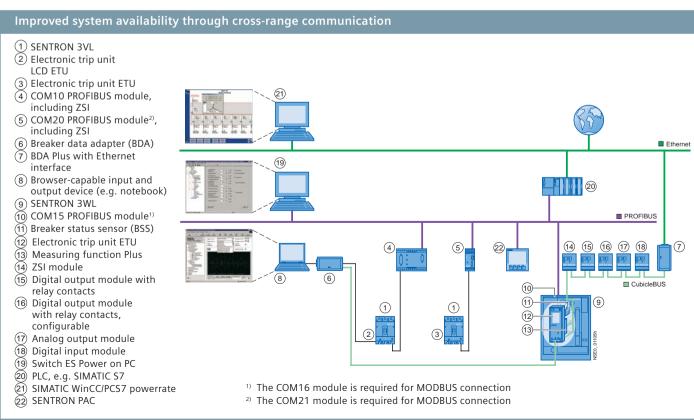
Unlimited communication with the innovative COM20 and COM21 modules

A transparent power distribution concept represents the paramount prerequisite for efficient and reliable system operation. The new COM20/21 modules perfectly meet this requirement. Thanks to the modules' integration, all ETU versions are able to consistently communicate via PROFIBUS/MODBUS.

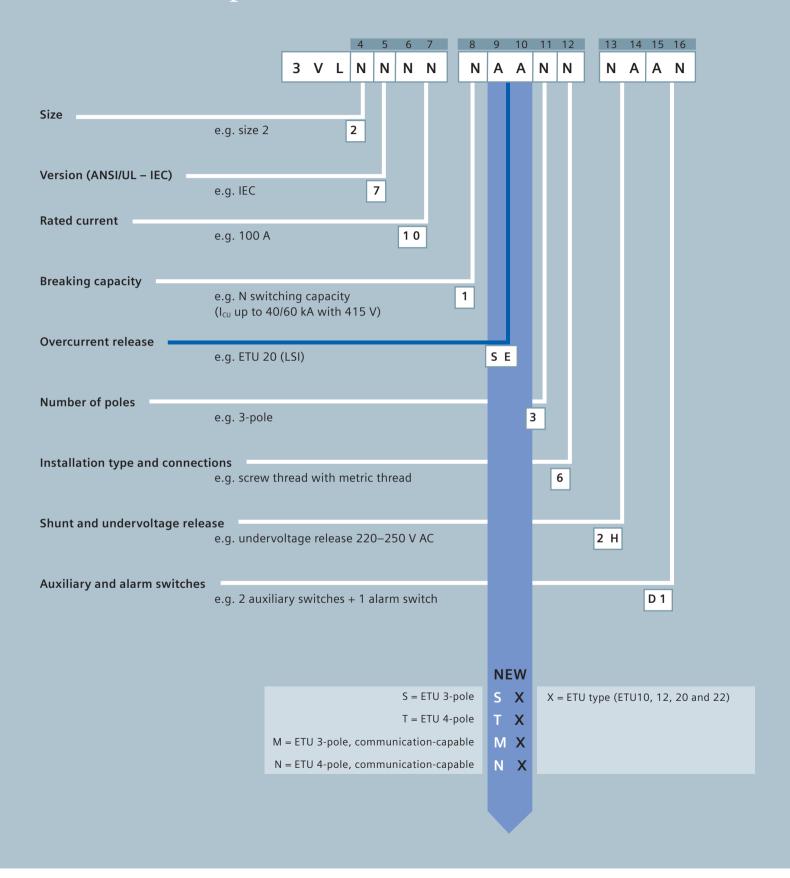
Whether switch state, tripping cause, warning messages, current measuring, event log, switching cycles or device control: The cost- and function-optimized COM20/21 modules reliably transmit all important information to ensure the maximum transparency of your system's state at all times.

Further advantages of the new COM20/21 solution:

- Improved efficiency through cost savings of more than 50% compared to the COM10 solution
- Universal applicability integrated communication is even supported by the most cost-favorable
- Easier installation through optimized ETU connection
- Maximum flexibility through smaller design for optimized control cabinet space
- Particularly uncomplicated through elimination of auxiliary and alarm switch wiring to the communication module



New Order Number Overview for Electronic Trip Units (ETUs)



Further information on our portfolio on the Internet:

Infocenter: www.siemens.com/lowvoltage/catalogs

Service & Support: www.siemens.com/lowvoltage/support

Totally Integrated Power: www.siemens.com/tip

For further information, please contact your local Siemens sales partner.

For technical questions, please contact: **Technical Assistance** Tel.: +49 911 895-5900

E-mail: technical-assistance@siemens.com

Siemens AG **Industry Sector** Low-Voltage Controls and Distribution P.O. Box 48 48 90026 NÜRNBERG **GERMANY**

Subject to change without prior notice 08/08 Order No.: E20001-A490-P307-X-7600 Dispo 27604 2100/15641 EVSN.52.8.06 PA 08083.0 Printed in Germany

> names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

The information provided in this brochure contains merely general descriptions or characteristics of performance

which in actual case of use do not always apply as described

or which may change as a result of further development

of the products. An obligation to provide the respective

characteristics shall only exist if expressly agreed in the terms of contract. © Siemens AG 2008 All product designations may be trademarks or product