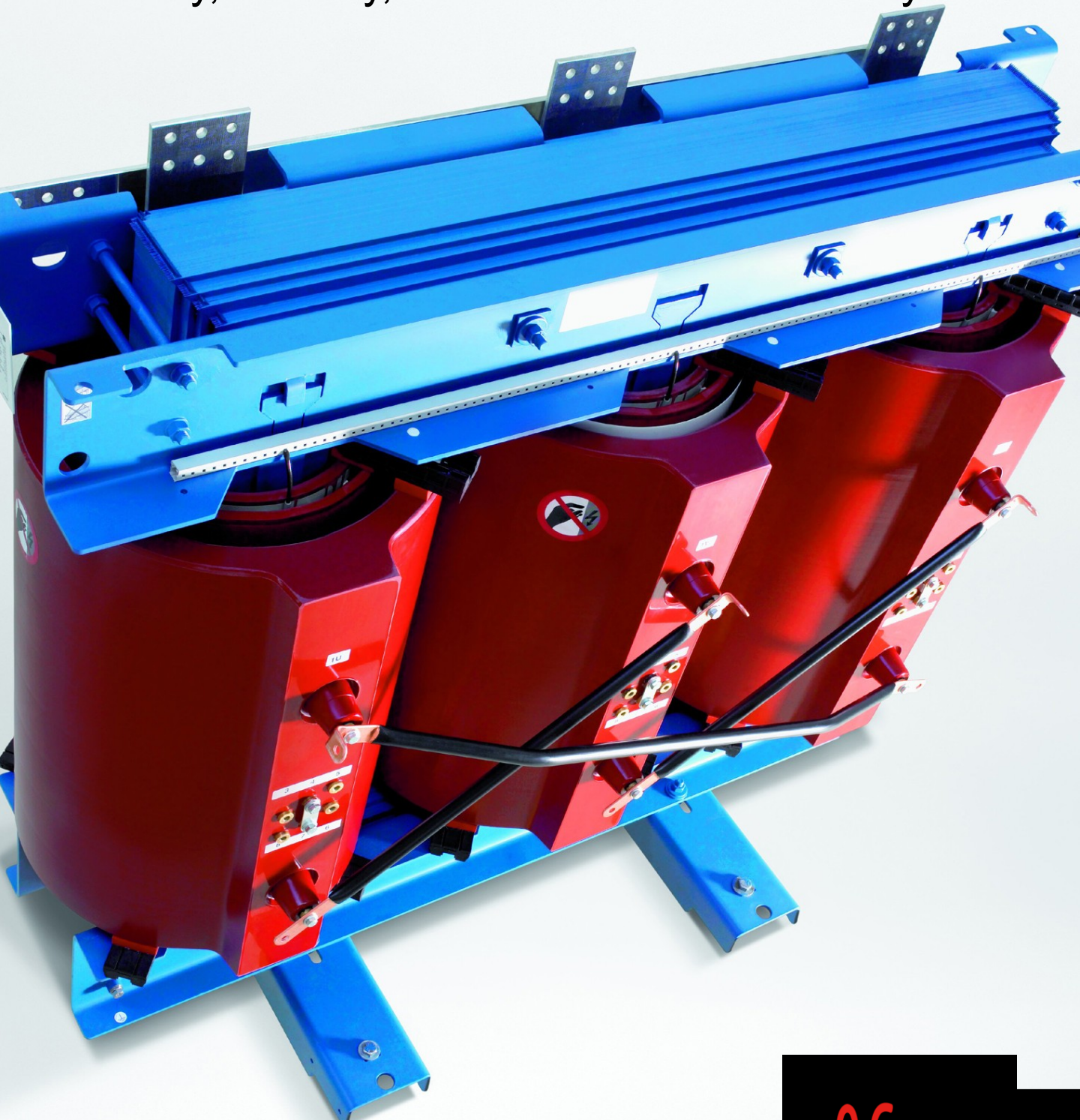


Cast-Resin Transformer

Safety, security, and environmental friendly



General Description

Our HV / LV transformers are intended for indoor use only. The technology of coils embedded in epoxy resin, has the advantage of not causing any dielectric leakage or risk of fire or explosion.

In addition, they require no maintenance and preserve the environment.

Our range extends from 400 to 1600 kVA up to 24 KV.

Our transformers are delivered bare or packed up (recommended if with other devices in the same room).

Transformer protection

cast resin transformer can be protected by monitoring the winding temperature. This monitoring is done by:

- PT100 sensors + associated relay for alarm and trip and real-time temperature monitoring
- PTC sensors + associated relay for alarm and trip

Maintenance-free & eco-friendly

The dry-type transformers are insulated with an epoxy resin and quartz powder mixture – an eco-friendly material that makes the windings:

- almost maintenance-free
- moisture-resistant
- tropicalized
- flame-retardant
- self-extinguishing

No toxic gases are produced, not even under the effects of arcing. And the specially developed spacers of the coil support system ensure isolation of vibrations from the iron core, which means very low noise levels.

Application areas

In the direct vicinity of humans:

- Modern functional buildings
- Residential and work environments

In industrial applications close to the load centers:

- Buildings
- Wind power plants
- Offshore platforms and ships
- Mining conveyors and refineries
- Rolling mills

Directly at the consumer load center:

- Off-shore installations
- Oil rigs
- Conveyance facilities
- DC-powered light rail systems
- Steel mills

Test and certification

We have succeeded in producing distribution transformers with excellent electrical, mechanical and thermal characteristics, which have also proven to be particularly compatible with the environment.

Nexans MAROC

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