

## OVR-27®

### 27 kV three-phase vacuum recloser

ABB's continuous efforts to provide the most advanced feeder automation equipment to the industry has led to the expansion of the OVR platform. OVR-27®, is a three phase automatic recloser paired and fully type tested with RER615, an advanced and comprehensive yet simple relay from ABB's Relion® family. OVR-27® provides reliable performance and advanced features to protect outdoor networks and substations.



#### Operator safety at its best

- Secured and safe manual emergency trip handle
- No maintainable electronics in HV cabinet



#### Reliable in extreme conditions

- Solid dielectric design with HCEP insulation material
- State of the art magnetic actuation and vacuum interrupters



#### Continuous operation

- Extensive protection functions to fit all network type, especially powerful for compensated networks
- Enabled to support high-speed protection, interlocking, transfer switching, fault isolation and service restoration



#### Fast, easy to install and operate

- Site ready units – reduced installation time, effort and cost
- Draw out design for protection relay for quick and easy maintenance
- Changes in relay configuration can be done from front panel HMI, web-based user interface or connectivity tool, PCM600



#### Saves space

- Flexible mounting option for single/double pole or substation frame available

# Technical data

Parameter	Units	OVR-27
Interrupting medium		Vacuum
Insulating medium		HCEP
Actuator type		Magnetic
Cabinet material		Stainless steel
Current sensing technology per phase		Current transformer
Voltage sensing technology per phase		Voltage divider
Ambient air temperature range	°C	-40..+55
Rated max. voltage	kV	27
Rated lightning impulse withstand voltage (BIL)	kV	125
Rated continuous (normal) current	A	1000
Rated short time withstand current	kA	12.5
Rated duration of short circuit	s	3
Rated symmetrical interrupting current	kA	12.5
Rated symmetrical making current	kA	33
Rated frequency	Hz	50/60
Rated operating sequence		O-0.2s-CO-2s-CO-2s-CO
Min. guaranteed operations at rated continuous current	Ops	10000
Number of max. tripping operations	n	4
Standards		IEC62271-111 - 2012 IEEE C37-60 edition 2.0 2012-09
Auxiliary voltage supply	V	110-240 VAC
Pollution level as defined in IEC 60815		Very heavy
Controller (IED)		RER615

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RER615 Autorecloser relay



LV control cabinet

## Services and training

- Global sales and service support with 24x7 technical support
- On-site training and full fledged training centre in factory

For more information please contact your local ABB office, email us or visit our website and social media tools:

[www.abb.com/medium voltage](http://www.abb.com/medium voltage)

Email: [ppmvsupport@in.abb.com](mailto:ppmvsupport@in.abb.com)

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