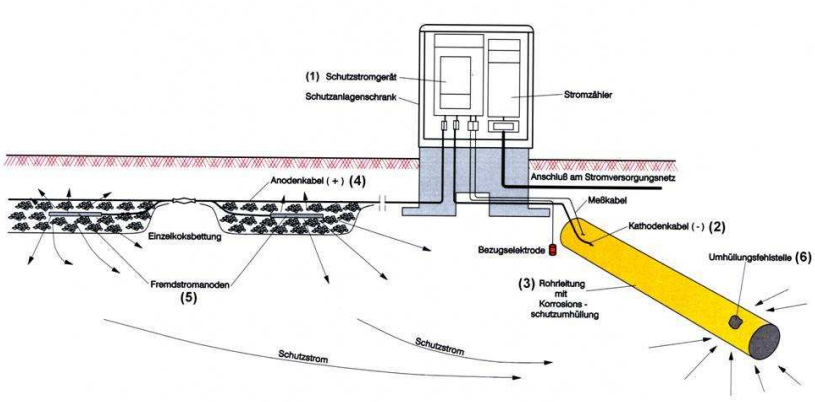
RBS wave
Ihre Ressourcen. Unsere Beratung.
Die Spezialisten.

Adjustable current protection device with remote action technology



Benefits at a glance

- Ability to set the output voltage in 64 steps
- 3.5-inch touch panel for local operation
- Operated both manually and remotely
- Compatible with almost all remote monitoring systems
- Automatic current limiting
- Integrated channel doubling
- Integrated pulsing (DCF77 sync)
- Surge protection for remote monitoring sensor
- The unit is CE approved and complies with the relevant VDE, AfK-, EMC- and radiation guidelines

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Working principles

The current protection devices of RBS wave consists of rectifiers which are especially developed for cathodic corrossion protection.
The demand for the mean to monitor cathodically protected objects from a central location and to make modifications of relevant parameters of the cathodic protection, includes that the data in a pipeline network of an existing current protection device, can be changed.
The current protection devices of RBS wave take this demand into account by adjusting the output voltage in 64 steps, both manually on the unit, as well as remotely, using GSM technology or cable.

For this purpose, the devices in modern SPS-technology are modular. Thus it is possible to combine the RBS SSG2.XXX devices with any system that provides clearly defined signals for the controlling of the current protection device.
Currently the devices are adapted to the remote monitoring system Mini Trans of the company Weilekes. In combination with the evaluation software WinTrans, it is possible to monitor and control the current protection devices from your office. The daily available readings provide continuous monitoring of the cathodic corrosion protection. In addition to the remote monitoring, the combination of RBS- current protection devices and remote monitoring sensor enables you to interact with output voltage or pulsing.

Therefore you can easily react to changes in environmental conditions, such as seasonal influences, from the office. The 64 steps of the current protection devices of RBS wave allow you to adjust the output voltage precisely, so an optimum protection of the object to be protected is guaranteed.

In the development of the current protection devices of RBS wave, a special focus was directed on the hazards of overvoltage damages.
In case of an applied overvoltage, several coordinated assurance mechanisms ensure that the device takes no disservice.
An automatic integrated current limiting reduces the downtime of the equipment to a minimum.

Moreover, the devices not only offer the surge protection but also the possibility to protect the connected remote control sensor against damages caused by lightning. The logic of the SPS from the RBS-current protection devices controls the connections of the remote control sensor with the objects to be protected and thus ensures a significant reduction of failure rates.

Another advantage of the SPS-technology is the possibility to double the measured inputs of the remote monitoring sensor.
The so-called channel doubling offers you an extensive and accurate installation of the monitoring.

Technical Data

operational voltage:	230 V, 50 Hz
output rating:	selectable:
output voltage:	max. 50 V
output current:	max. 25 A
dimensions:	(H x B x D) 600 x 600 x 230 mm; plastic wall housing
weight:	approximately 50 kg
control:	central processing unit Inline Controller ILC 150 ETH with digital-output terminal IB IL 24 DO16 ME and analog-input terminal IB IL AI 2/SF (all from Phoenix Contact)
mounting position:	user-defined
environmental conditions:	The device can be used in temperature range between - 25 ° and +50 ° C at a relative humidity of max. 75%.

Shoring

F 3-lever fuse:	250 mA, middle slow fuse, 250 V
F 4- lever fuse:	2 A, slow fuse, 250 V
F 5- lever fuse:	100 mA, middle slow fuse, 250 V