CSN® braking resistors

DESCRIPTION

CSN® braking resistors are used for the controlled braking of all types of electrical or electromechanical drives. The resistors convert the kinetic energy generated by braking the system into thermal energy and then release it into the environment (or the cooling medium).

The robust design of CSN® braking resistors makes them ideal for use in maritime environments. Our portfolio includes various design variants for cooling and a wide range of active materials for the most diverse environmental conditions.

The leading manufacturers of frequency converters therefore rely on Schniewindt resistors. Thanks to our many years of experience and quality in this field, we have become the world market leader.

PRODUCT ADVANTAGES

- Braking resistors from the world market leader for your maritime drive technology
- Customised technical design based on customer requirements
- Long-term customer satisfaction thanks to top quality and excellent technical support
- Low-maintenance and wear-free design
- Designed in accordance with the guidelines of international classification societies (e.g. ABS, DNV, BV, Lloyds Register, RINA, Class NK, Türk Loydu, etc.)
- Spare parts supply guaranteed for decades

TECHNISCHE DATEN

Energy consumption	Customised (already supplied up to 100MJ)
Operating voltage	Low-voltage and medium-voltage level
Active elements	- Resistance fabric (CSN® Schniewindt mesh) - Wire meander - Belt elements - Tubular heating elements
Active material	- 1.4404 - 1.4571 - 1.4539 - 2.4851 - Others on

	request
Cooling	- Forced / natural air cooling - Direct water cooling - Air-to-water heat exchanger - Forced air-water heat exchanger
Protection classes	up to IP65