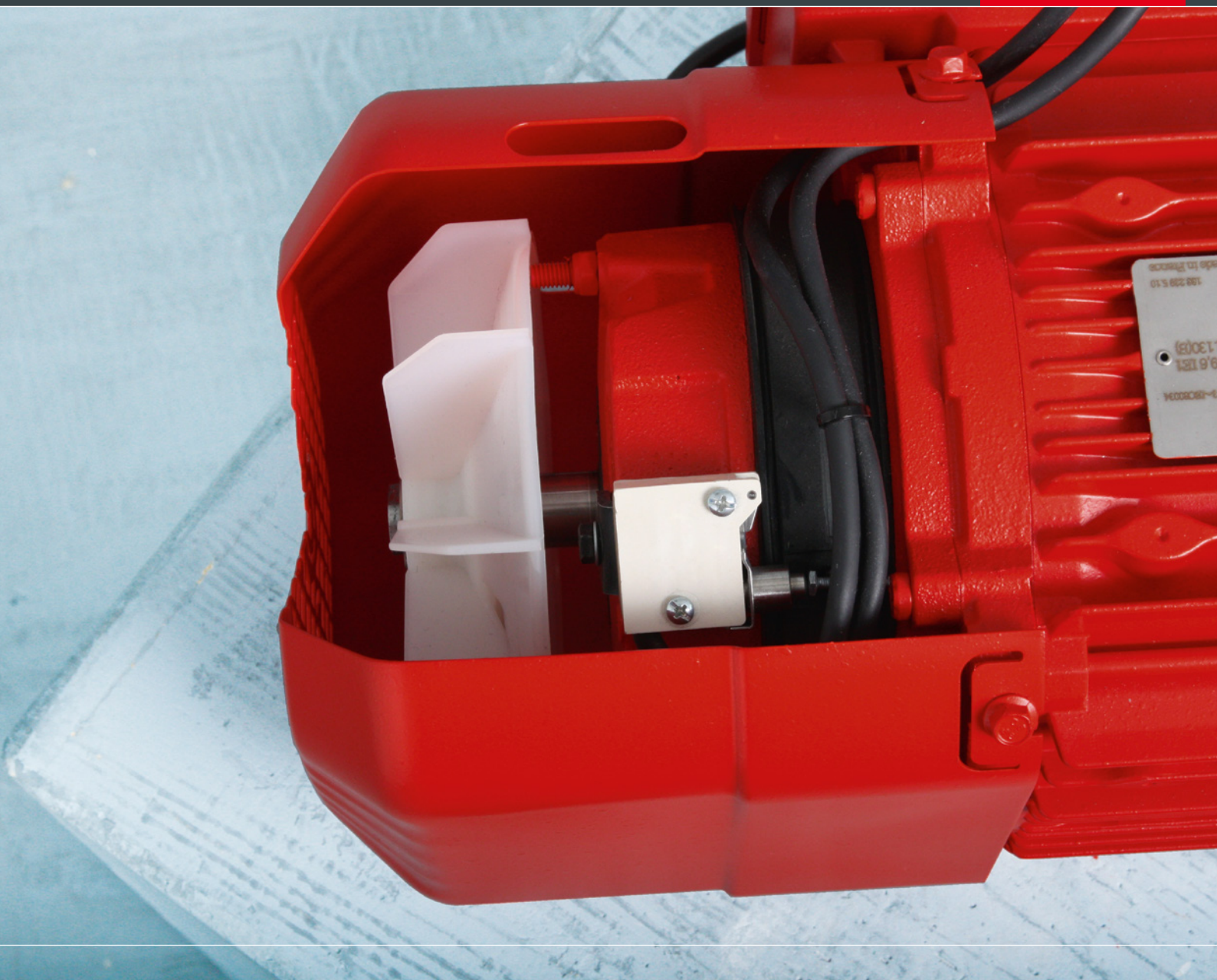


## **DUB Diagnostic Unit**

Brake diagnostics through function and wear analysis for preventive maintenance

**SERVICE**



## Avoid downtimes – increase system reliability

Preventive maintenance is becoming an increasingly important feature from an economic point of view. The DUB (Diagnostic Unit Brake) diagnostic unit from SEW-EURODRIVE is the ideal sensor for monitoring the wear and functionality of the brake. The voltage-dependent signal can be evaluated by a SEW-EURODRIVE frequency inverter or a higher-level controller. Two sensors enable the correct functioning of the brake and the wear of the lining to be reliably monitored at the same time.

### DUB diagnostic unit – Benefits at a glance

- Brake lining wear can be detected in good time
- Reliable brake function monitoring
- Condition signal of the microswitch can be implemented as normally closed or normally open contact
- The voltage-dependent output signal can be easily processed
- Evaluation directly via SEW-EURODRIVE inverter with corresponding error protocol
- Can be used in damp conditions up to IP65
- Self-cleaning contacts inside the sensor
- Maintenance intervals can be planned individually according to wear

### Technical data of the DUB diagnostic unit

Degree of protection	IP65
Operating voltage AC / DC [V]	250 / 24
Rated switching capacity [A]	6
Line cross section [mm <sup>2</sup> ]	0.75
Contact material	Silver
Control element material	Stainless steel
Housing material	PA6T/X with fiberglass reinforcement
Cable material	PUR
Ambient temperature range [°C]	–20 ... +80 °C
Trip force [N]	3.5
Differential travel [mm]	0.1
Protection class	II
Snap switch mechanism	Flexible tongue made of beryllium-copper with self-cleaning contacts
Additional features available from brake size	BE2

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