

Fact Sheet

# VLT® Leakage Current Monitor Module RCMB20 and RCMB35



The Leakage Current Monitoring Module is specifically adapted to VLT® frequency converters and comes as a pre-configured connection kit, eliminating the need for configuration of monitoring parameters.

**Danfoss introduces a drive integrated Leakage Current Monitor Module that detects insulation faults and unwanted leakage currents. Specially adapted to the VLT® drive, the module monitors the entire drive system, including filter, frequency converter, motor and motor cable.**

The module has been developed in cooperation with Bender, one of the world's leading specialists within insulation monitoring. The module is CE certified and UL listed.

### Increases plant safety

The module reliably detects system errors in IT and TN grids. Not only does this guarantee the avoidance of sudden shutdowns due to failures, it also facilitates early detection of faults in the system setup.

In order to ensure safe and reliable monitoring, the module functions independently of the drive system and only shares the power supply with the drive. To provide additional protection the module can also be configured to monitor entire drive groups.

### Easy operation

One of the main benefits of the completely preconfigured module is that it is fast and easy to install, due to the fact that it is not necessary to set additional parameters.

The module is especially suited for reliable operation in IT or TN grids, which are common in the chemical, raw commodities and marine industries, where it can help prevent sudden production breakdowns.

## Protect drive systems

with a comprehensive monitoring solution that protects drive units, filters, motor cables and motors from insulation faults and unwanted leakage currents.

Features	Benefits
Reliable system protection	The reliable insulation monitoring provides early detection of serious damage or danger and avoids production stops and accidents.
Versatile	The module monitors itself and functions independently of the drive. It monitors single or multiple drives and can be used to monitor single or multiple drives.
Adapted to VLT® drives	Monitors the entire drive system, including frequency converter, motor and motor cable. Can also be used with older VLT drives.
Compact	Save space in the panel or cabinet by mounting the module directly onto the frequency converter.
Pre-configured installation kit. Can optionally be powered from the frequency converter (no external 24 V necessary).	Save time and simplify commissioning. Low installation cost
CE certified and UL listed	Can be used all over the world

### Comprehensive system protection

The Leakage Current Monitor Module for VLT® frequency converters provides a comprehensive protection system that contributes both to increased operational safety and fire protection.

In addition to monitoring typical industrial applications the module is also suitable for use in food & beverage, water/wastewater and building automation applications.

The module is compatible with VLT® AutomationDrive, VLT® HVAC Drive and VLT® AQUA Drive, enclosure sizes A2, A3, B3, B4, C3 and C4.

#### Code numbers

- 130B5645 A2-A3
- 130B5764 B3
- 130B5765 B4
- 130B6226 C3
- 130B5647 C4



*The integrated shield simplifies installation and ensures proper wiring for an EMC-compliant connection.*

### Electrical connection

