

Movement by Perfection



The Royal League in ventilation, **control** and drive technology

PMIcontrol Basic-M

Frequency inverter for connection to PM and standard motors complying with IEC standards

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Saves valuable energy by controlling motors in line with requirements

The new PMIcontrol Basic-M frequency inverter makes saving energy even easier.

The frequency inverters are specially developed for connection to standard motors. Combining the PMIcontrol Basic-M frequency inverter with the motor is easy and offers a range of benefits.

Benefits at a glance

- No additional space required to mount the frequency inverter
- No control cabinet required
- No need to run cables between the motor and frequency inverter
- Frequency inverter and motor make up a single compact unit
- Easy configuration using plug-in ZAstick data stick.
- The frequency inverters are robust and have a protection rating of IP54



PMIcontrol Basic-M

PMIcontrol Basic-M frequency inverter basic features:

- Analogue input for external rotational speed specification, e. g.: 0 – 10 V, 0 – 20 mA, PWM
- Digital input for approval on/off
- Potential-free fault indication contact
- Integrated motor protection function
- Soft motor start

Add-on modules

- AM-MODBUS
- AM-PREMIUM with MODBUS and control functionality
- AM-CAN-OPEN
- AM-LON
- AM-PROFIBUS
- AM-ETHERCAT



Easy to connect. For extended functions or incorporation into networks.

Modular expansion options

- Flexible integration in bus systems thanks to pluggable "add-on" bus modules
- Upgrade to process control function with "add-on" PREMIUM module
- Combination with external display and control terminal possible

Display and operating terminal

- For easy configuration
- Displays system values



Maximum flexibility

ZIEHL-ABEGG's universal adaptor plate allows for easy connection to different motors.



Highly efficient, speed-controlled AMblue and PMblue systems:

The AMblue fan system is made up of an asynchronous motor connected to a PMIcontrol Basic-M frequency inverter.

The PMblue system combines a PM motor (permanent synchronous motor) with a connected PMIcontrol Basic-M frequency inverter.

The frequency inverter is suitable for different motors. Configuration and commissioning are very easy using the ZAstick data stick, which is simply plugged into the PMIcontrol Basic-M.

Example application



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