

Inverter Drives 8400 motec *Decentralised drive technology*

Efficiently and consistently decentralised



This compact motor inverter 8400 motec is an attractive alternative, particularly for simple applications, and guarantees a high degree of efficiency in every respect. The 8400 motec version, which can be mounted both on the geared motor and on the wall, is available immediately in the power range from 0.37 to 3.0 kW.



Highlights

- ▶ IP65 as standard with an IP66 option
- ▶ Potential 30 % energy saving when used with the inverter optimised motor (MF range)
- ▶ Large LED, visible from some distance shows the status during operation

The new motor inverter from Lenze can be mounted on or off the motor with just four screws. The 8400 motec's modular and flexible structure consists of a "Drive Unit", "Communication Unit" and "Wiring Unit" modules.



8400 motec – at a glance

The Drive Unit – simple handling

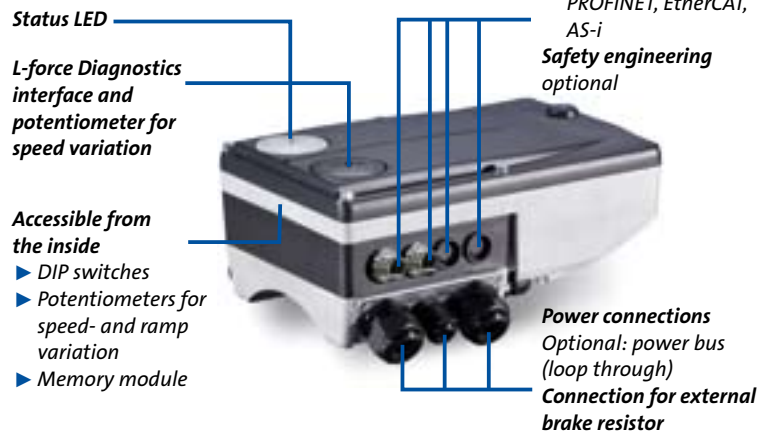
- ▶ Simple commissioning via DIP switch, potentiometer or diagnosis terminal
- ▶ An easy to replace memory module
- ▶ A large LED as status display – clearly visible, even under the most challenging installation conditions

The Communication Unit – functionality on site

- ▶ CANopen, PROFIBUS, PROFINET, EtherCAT and AS interface
- ▶ Includes integrated safety function STO
- ▶ I/Os on board
- ▶ Pluggable M-12 connection system for communication, safety engineering and sensor technology or via screwed connections

The Wiring Unit – easily accessible and easy to connect

- ▶ Flexible connection options such as cable glands and various plug connections
- ▶ Connection for brake resistor
- ▶ Spring-applied brake control



Functions	Freely assignable „user menu“
	Motor identification
	V/f control with/without encoder feedback (linear or square-law)
	„VFC eco“ (Energy Saving Mode)
	Flying restart circuit
	S-ramps for smooth acceleration and deceleration
	I ² t-motor monitoring
	DC injection brake
	Fixed frequencies
	Parameter change-over
	PID controller
	Integrated, wear free Brake control
	Properties
Interference suppression in accordance with EN 61800-3, category C2, category C1 motor mounted ≤ 1.5 kW	
Protection against restart for cyclic mains switching	
Usability in an IT system	
Safe torque off (STO), certified to EN ISO 13849-1, (cat. 4, PL e), EN 61508/EN 62061 (SIL 3)	
Approvals: CE, UL*, CSA*, RoHS	

* in preparation for 2.2 and 3.0 kW