

Inverter Drives 8400 TopLine

The inverter with servo performance.



The 8400 TopLine offers the maximum level of functionality and optimum drive behaviour of the 8400 series, providing precisely tailored solutions. Furthermore, TopLine represents a cost-effective solution for speed and precision control such as positioning applications.

Highlights

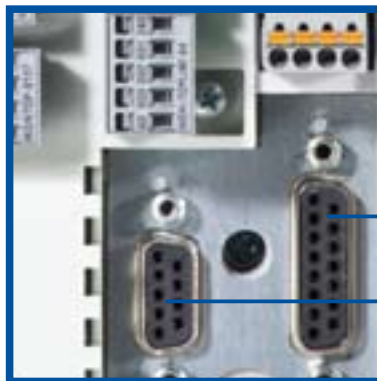
- Servo control for synchronous and asynchronous servo motors
- Integrated resolver input suits the robust resolver feedback systems of L-force servo motors
- Multiple encoder input also extends the range of potential applications available up to absolute position measurement systems
- The integrated axis bus can also implement electrical shafts and electronic gearboxes with ease.



Typical uses include handling and positioning systems as well as travelling drives and hoist drives in the most varied of application areas. The integrated axis bus is also designed for synchronising drive axes, e. g. when processing material webs.

Technology – at a glance

		8400 TopLine
Performance data	Mains: 1 230/240 V AC	0.55 to 2.2 kW
	Mains: 3 400/500 V AC	0.37 to 45.0 kW
Overload current	150% (60 s)	●
	200% (3 s)	●
Operating conditions	Operating temperature –10 to 55°C (derating above 45°C: 2.5%/K)	●
	IP20 enclosure	●
Interfaces	Memory module	●
	L-force diagnostics interface	●
	Resolver input	●
	Multiple encoder input	●
	Axis bus (for cross communication, synchronisation)	●
Functions	Controlling synchronous and asynchronous motors	●
	Point-to-point positioning (with or without feedback)	●
	Evaluation of KTY sensors for temperature monitoring and motor model adjustment	●
	Electrical shaft with adjustable ratio	●
Supported motor feedback	Resolver	●
	TTL incremental encoder	●
	SinCos encoder	●
	SinCos HIPERFACE® absolute value encoder	●
Additional position feedback	SSI encoder	●
Properties	Safe torque off (STO), Certified to EN ISO 13849-1 (cat. 4, PL e), EN 61508/EN 62061 (SIL 3)	Option



You can find further information
in the Inverter Drives 8400 product
information flyer

*Multiple encoder input:
TTL, SinCos, SinCos HIPERFACE®,
SSI*

Resolver input