

# Digital Servoamplifier SERVOSTAR® 600



**KOLLMORGEN**®

Because Motion Matters™



## Technical Data

Rated data	DIM	SERVOSTAR® 600							
		601	603	606	610	614	620	640	670
Rated supply voltage	V~	3 x 208V <sup>-10%</sup> ... 480V <sup>+10%</sup> , 60Hz 3 x 230V <sup>-10%</sup> ... 480V <sup>+10%</sup> , 50Hz							
Rated installed power for S1 operation	kVA	1	2	4	7	10	14	30	50
Rated DC link voltage	V=	260...675							
Rated output current (rms value, ± 3%)	Arms	1,5	3	6	10	14	20	40	70
Peak output current (max. 5s, ± 3%)	Arms	3	6	12	20	28	40	80	140
Continuous power regen circuit (RBint)	W	80	80	200	200	200	200		
Continuous power regen circuit (RBext) max.	kW	0,5	0,5	1,5	1,5	1,5	1,5	6	6
Peak power regen circuit (RBext) max.	kW	21	21	21	21	21	21	45	70

## The sizes for 300/400mm switchgear cabinets

	SERVOSTAR® 600			
	601 / 603 / 606 / 610	614	620	640 / 670
Height	275 mm	275 mm	275 mm	345 mm
Width	70 mm	100 mm	120 mm	250 mm
Depth	265 mm	265 mm	265 mm	300 mm
Depth with connectors	273 mm	273 mm	273 mm	325 mm

## Multi-Interface



### CANopen Interface always integrated

A CANopen interface is integrated into the standard instrument. If several SERVOSTAR® 600 are linked together through the CANopen interface, then the entire group can be parameterized and commissioned with the aid of a PC and the WINDOWS™ operator software, without requiring a master.

#### Transmission procedure:

- CAN standard ISO 11898 (high-speed communication)
- max. 1MBit/s Übertragungsgeschwindigkeit
- Unterstützt die CANopen Standards DS301, DSP402



### SERCOS expansion card

The servo amplifier can be operated through a SERCOS Interface. This expansion card makes it possible to transmit setpoint and actual values with different cycle times (1 to 65 ms) with an additional interpolation of the setpoints within the drive. This enables a synchronization that is exact to the µs, for fast, precise multi-axis control.

#### Transmission procedure:

- SERCOS standard to IEC 61491
- transmission through interference-proof optical fibres
- baud rate pre-selectable to 2 or 4 MBaud
- optical output power is adjustable



### EtherCAT expansion card

- EtherCAT supports cycle times of less than 100 µs on the bus
- CAN application layer over EtherCAT
- No need for address settings
- Baud rate is set automatically
- Plug & Play



### PROFIBUS DP expansion card

The servo amplifier can be operated through a PROFIBUS DP interface.

#### Transmission procedure:

- PROFIBUS DP to EN 50170
- baud rates 187.5 kBaud to 12 MBaud
- supports the PROFIBUS drive profile PROFIDRIVE



### DeviceNet expansion card

A DeviceNet Interface can be used as an option.

#### Transmission procedure:

- CAN-Standard ISO 11898 (high-speed communication)
- 500kBit/s max. transmission speed

## About Kollmorgen

Kollmorgen is a leading provider of motion systems and components for machine builders. Through world-class knowledge in motion, industry-leading quality and deep expertise in linking and integrating standard and custom products, Kollmorgen delivers breakthrough solutions that are unmatched in performance, reliability and ease-of-use, giving machine builders an irrefutable marketplace advantage.

For assistance with your application needs visit [www.kollmorgen.com](http://www.kollmorgen.com) for a global contact list.

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- Global Design & Manufacturing
- Global Manufacturing



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