

## Terms and Conditions

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### Company Name

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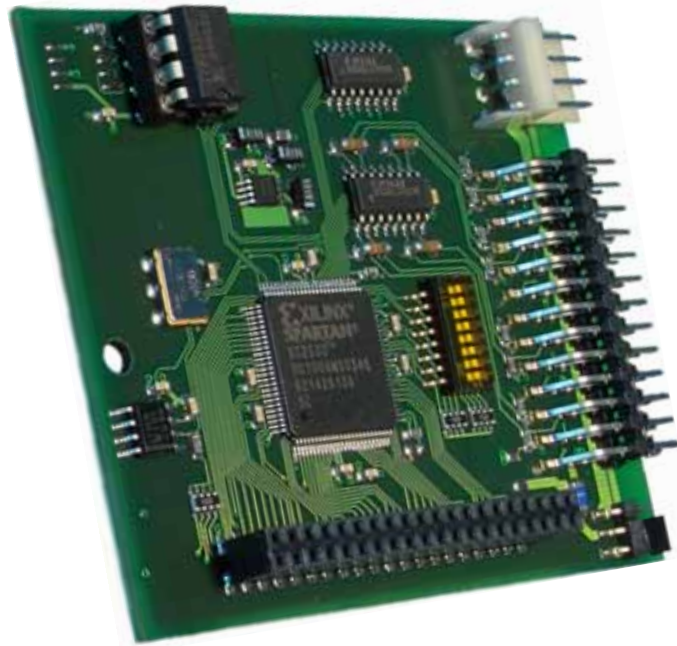
# POSYS®

## SSI 800/900

### POSYS®

#### SSI 800/900

for absolute encoders with SSI interface  
supports Binary- or Gray-Code



The POSYS® SSI 800/900 is an optional expansion card for the POSYS® 8xx/8xx-B/9xx/18xx/19xx motion controllers. The SSI is small and compact, only 65 x 59 mm and is directly plugged on to the on-board option connector of the POSYS®. The data of the absolute encoders is read thru this normed interface and transmitted to the POSYS® motion controllers. The electronic of the ab-

solute encoder converts the parallel data into serial format and transmits the data to the SSI 800/900. The SSI 800/900 again converts the incoming data into a 16-bit data word and can read in either Gray-code which is internally converted to binary code or directly binary code and transmits it to the POSYS® 800/800-B/1800 or 900/1900 motion controller. Up to 4 axes can be connected. The data of each axis can be read x20.000 per sec. and are sent accordingly to the POSYS®.

# SSI 800/900 Specifications

up to 300 m distance possible



## Specifications:

- Can read up to 4 axes (either Gray-Code or Binary)
- Programmable resolution: 10, 12, 13 and 25 bits
- Usable with single-turn and multi-turn absolute encoders
- Programmable frequencies from 1,1 MHz, 550 kHz, 275 kHz and 137,5 kHz
- Jumper for default settings, can be overwritten with software commands
- Easy to connect
- Fast update rates of 20.000 Hz for all 4 axes
- Automatic recognition and adding of position overflow, 32-bit position display and processing
- No necessity for Index search
- Absolute position is read on power on
- mixed usage of incremental and absolute encoders possible in any combination
- Switching from incremental to absolute mode and back at any time possible
- Usable with all absolute encoders which support the SSI-interface (Eltra, Heidenhain, Hengstler, Kübler, Stegmann, Thalheim, TKW aso)



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servo-Halbeck provides services to companies with unique motion control requirements and significant production quantities to customize their motion controllers. Motion controller customization, including individual development of special interfaces to standard bus systems and modifications to software can help customers successfully meet their specific motion control needs.

**NOTE:** All specifications have been carefully checked and correspond to the present manufacturing status but, we cannot guarantee that they are totally free of error. We reserve the right to make changes in this specification without prior written notification.

# PRODUCT LISTING



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