

## Product



## No. 1 Position

Modular 24V - 48V controller for SCHUNK grippers and rotary modules

## Product Features

### Unique Selling Points:

- ü 100% compatible with SCHUNK products
- ü Service interface: USB host and USB device

### Further Product Features:

- ü Industrial Ethernet: ProfiNet (2014)
- ü Parametrized and commissioning software MTS
- ü Fieldbus: Profibus(M12) up to 12 MBit/s or CAN Bus(M12)
- ü 4 digital in- and outputs (optional)
- ü Service interface: USB host, USB device
- ü Two rotary encoding switches for a possible address range of the PB between 0 – 127, and in case of CAN 0 - 255
- ü Control of 24 V or 48 V modules
- ü Status display via 4 LEDs and 7 segment display
- ü Evaluation of resolver, encoder with index, various encoders, absolute encoder (SSI, EnDat)
- ü Standard plug-in technology M12

## Market and Competitors

### Key Competitors:

- ü - Siemens Sinamics S120
- ü - Bosch Rexroth Indradrive CS
- ü -SEW Movidrive MDX60B
- ü - SEW Movitrac MC07B
- ü - KEBA KeDrive D4
- ü - KEBA KeDrive D2
- ü - Panasonic Minas A4
- ü - LTI ServoOne
- ü - Harmonic Drive YukonDrive

## Cost Effectiveness/Customer Benefits

- ü Maximum interface flexibility for future systems
- ü Convenient and fast manual operation via USB stick (parameterization) and rotary switch (addressing) without programmer
- ü MTS (Motion Tool SCHUNK) for a faster parametrization and commissioning of the module via USB
- ü Comfortable firmware updates via USB stick
- ü Two rotary encoding switches for easy and manual address setting directly at the module without programming device
- ü standard plug-and spring terminals for user-friendly and error-free installation
- ü Test and commissioning functionalities via DIP switch without programming device possible
- ü Clear status display and troubleshooting via LEDs and 7 segment display

Questions about the product? Your contact person for Gripping Systems is T. Sibold (+49-7133-103-2574)

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## Technical Data/Functions

### Technical Data:

Controller: 24-48 V  
Max. power input: 15 A

Transmission rate:  
Profibus: max 12Mbit/s  
CAN Bus: max. 1Mbit/s

### Options:

- ü Profinet (2014) and other interfaces (in the future)
- ü - Digital I/O

### Complementary products:

- EGN (24V)
- EZN (24V)
- EVG (24V)
- ERS (48V)

## Industries and Application

The ECM with its complementary products particularly convinces in the following industries:

- ü Automotive industry
- ü Pharmaceutical industry
- ü Medical technology
- ü Biotechnology
- ü Electronics
- ü Assembly technology
- ü Machine and plant building
- ü Automation

## Additional Information

### Future Communication Interfaces:

1. Profinet
2. Ethernet/IP
3. EtherCAT

### Future Options:

- Commissioning assistant
- Web server
- Safety concept (STO, SOS, SLS)

## Cross Section



1. Status display (7-segment LED and 4 x)
2. Service interfaces (USB Device and USB Host)
3. Rotary switch for manual addressing
4. DIP switch for manual jog mode
5. M12 connector system for PB Communications
6. Spring terminals and connectors for easy installation

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