

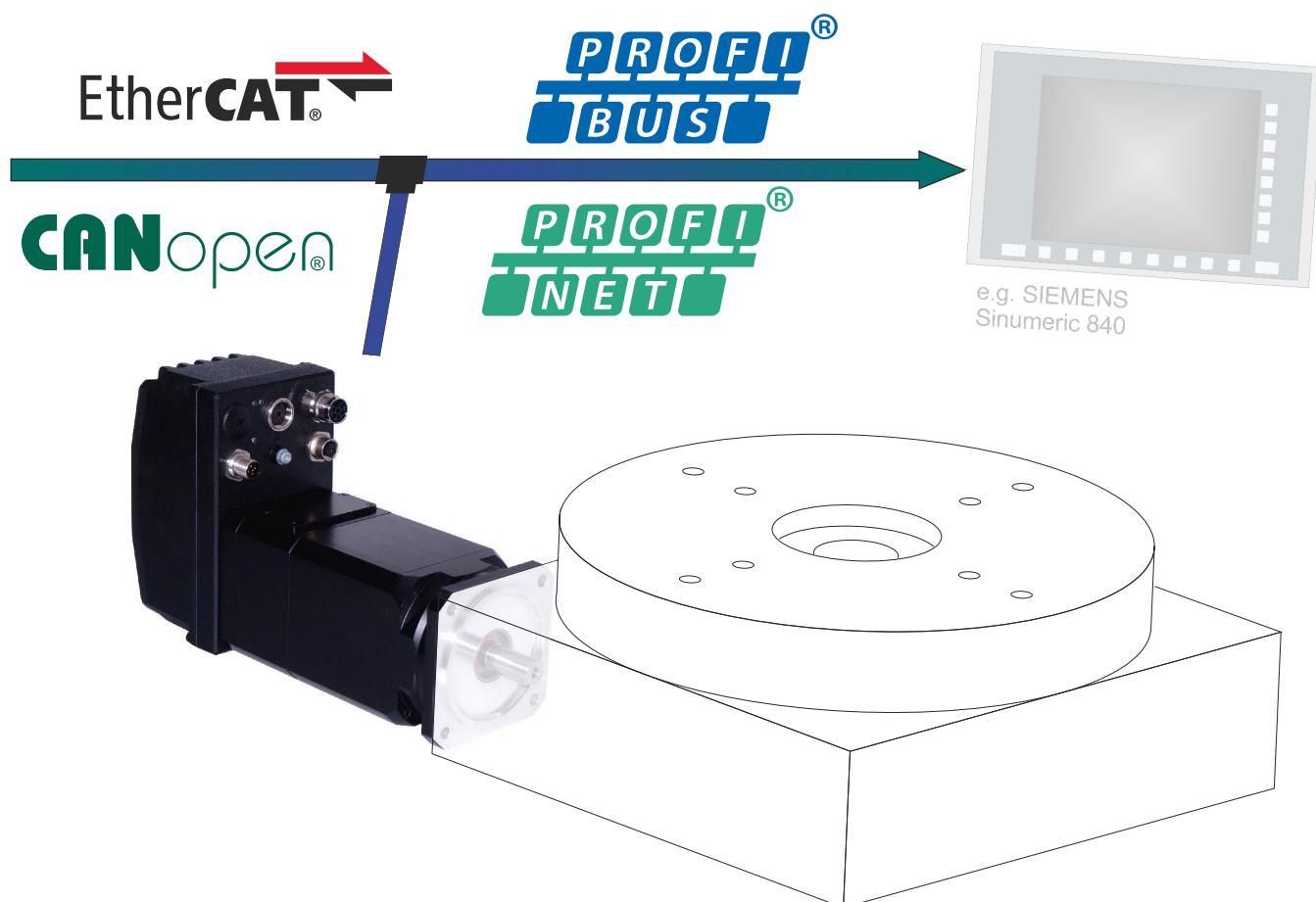


## esiMot XL

### Decentral Servocontroller

- No space in control cabinet required
- Fieldbus-Interface  
Profibus-DP, Profinet, EtherCAT, CANopen
  - Arbitrary target position and speed
  - Adjustment of all parameters
- Integrated position and speed controller
  - up to 15 positions direct storable
- Automatic clamping processing
- PC-Software for parameter adjustment and diagnosis
- Options:
  - Via DIP-switch adjustable bus address (Profibus, CAN)
  - Safe Torque Off according to EN13849-1 category 3, PL e
  - Integrated standstill brake
  - Multiturn Absolute encoder
  - ATEX 95, Zones 2 and 22

**Bus-compatible  
rotary table  
with integrated controller**



## Decentral Servodrive esiMot XL

The esiMot XL is a brushless AC servo motor with integrated control and power electronics. For motor feedback is a resolver or alternatively a multi-turn absolute encoder available.

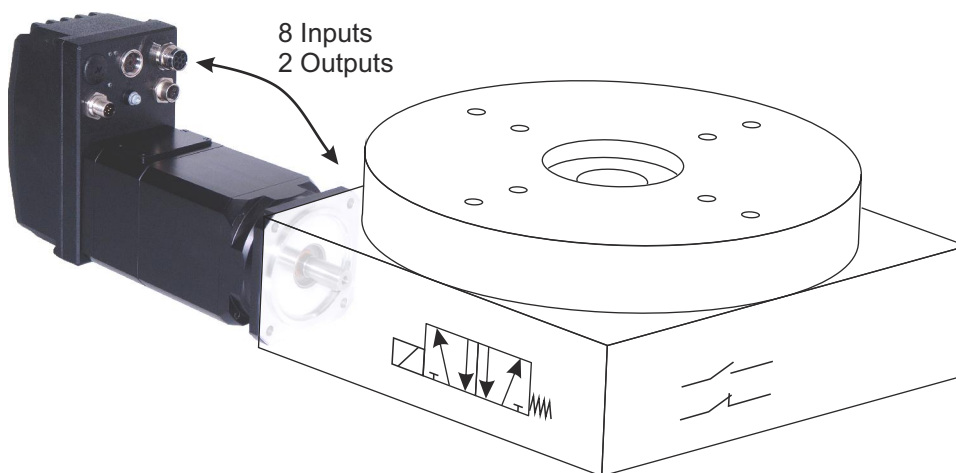
The target position or speed can be given via Fieldbus. The actual position as well as status information can be read through Fieldbus at any time.

In positioning mode there is the possibility of the modulo positioning, i.e. on a rotary table the target position is approached on the shortest path, or the positioning direction is given

The drive is equipped with digital I/Os which can be read through Fieldbus. Alternatively this I/Os can be activated through program e.g. for the automatic clamping processing. In this case the clamping sequence is initiated autonomous after each positioning.

LEDs indicate the current status.

The PC software "Servo-Link" allows comfortable parameter adjustment and programming of the driving data records. This can be programmed also by Fieldbus.



### Technical Data:

Motor supply 230V AC 50/60Hz

Logic supply: 24V DC; 0,3A, galvanically separated, reverse polarity protected

8 (opt. 6) digital inputs 24V

2 (opt. 4) digital outputs 24V, 0,5A/1A

### Overview to types:

| Type       | Rated Torque<br>(S3, 25%) | Rated Torque<br>(S1) | Rated speed | Inertia                | Holding Torque<br>Brake (optional) |
|------------|---------------------------|----------------------|-------------|------------------------|------------------------------------|
| esiMot21/3 | 2,2Nm                     | 1,6Nm                | 3500rpm     | 0,58 kgcm <sup>2</sup> | 4,5Nm                              |
| esiMot22/3 | 3,8Nm                     | 2,3Nm                | 3500rpm     | 0,99 kgcm <sup>2</sup> | 4,5Nm                              |
| esiMot31/3 | 2,7Nm                     | 2,0Nm                | 3500rpm     | 0,80 kgcm <sup>2</sup> | 9,0Nm                              |
| esiMot32/3 | 5,1Nm                     | 3,2Nm                | 3000rpm     | 1,60 kgcm <sup>2</sup> | 9,0Nm                              |
| esiMot33/2 | 7,0Nm                     | 5,0Nm                | 2000rpm     | 2,40 kgcm <sup>2</sup> | 9,0Nm                              |
| esiMot41/2 | 5,8Nm                     | 4,0Nm                | 2000rpm     | 2,80 kgcm <sup>2</sup> | 18Nm                               |

### Optional:

Profibus-DP, Profinet, EtherCAT or CANopen-interface DSP402

SPS-Interface without fieldbus connection: direct control through digital inputs, call-up of up to 15 stored records

Integrated Standstill Brake

Connection box with 24V logic supply and clamping relays

All data in this folder have an informative character without warranty of characteristics. Changes without previous announcement reserved.

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