

Electrical data

| Feature | Technical data | Additional information |
|----------------------|--------------------------------------|--|
| Operating voltage | 24 V DC ±10 % | reverse polarity protected, output stage |
| | 24 V DC ±10 % | reverse polarity protected, control |
| Current consumption | 2.2 A ±10 % | at rated torque/speed (final stage) |
| | <150 mA | starting current >150 mA (control) |
| Power input | ≤58 W | output stage |
| | ≤3.6 W | control |
| Battery | CR2477N, 3 V lithium, 950 mAh | |
| Battery service life | ~5 Year(s) | depending on ambient conditions |
| Parameter storage | 10 ⁶ cycles | also applies to calibration operations |
| Digital inputs | 17 ... 30 V DC | typically 10 mA |
| Status display | 8 LEDs | |
| Keys | 2 internal keys, internal DIP switch | |
| Switching outputs | 24 V DC ±10 % | ≤40 mA |
| Bus connection | EIP-EtherNet/IP | |
| | EPN-PROFINET | |
| | ECT-EtherCAT | |
| | EPL-POWERLINK | |
| Type of connection | 2x M12 plug connectors (A-coded) | 4-pole, 1x pin; 8-pole, 1x pin |
| | 2x M12 plug connectors (D-coded) | 4-pole, 2x socket |
| | grounding via flat connector 6.3 mm | |

System data

| Feature | Technical data | Additional information |
|-----------------|-----------------------------|--|
| Resolution | 720 Steps/revolution, shaft | |
| Repeat accuracy | ±1 Steps/revolution | |
| Travel range | ±697 rotation(s) | i = 188 |
| | ±356 rotation(s) | i = 368 |
| Failure rate | 28.3 Year(s) | at 60° C (MTBF) according to SN 29500 |
| Approval | | UL 2011, CSA C22.2 No. 14-18, File No. E502992 |

Ambient conditions

| Feature | Technical data | Additional information |
|----------------------|--------------------------------------|--|
| Ambient temperature | 0 ... 45 °C | |
| Storage temperature | -20 ... 60 °C | |
| Relative humidity | | condensation inadmissible |
| EMC | EN 61800-3, second environment | interference resistance / immission |
| | EN 61800-3, C2 | emitted interference / emission |
| Protection category | IP54, IP65 | EN 60529, with mating connectors (degree of protection not tested by UL) |
| Shock resistance | 500 m/s ² , 11 ms | EN 60068-2-27 |
| Vibration resistance | ≤100 m/s ² , 5 ... 150 Hz | EN 60068-2-6 |

pin assignment

■ EtherCAT, EtherNet/IP, POWERLINK, PROFINET

| Signal | PIN |
|--------|-----|
| Tx+ | 1 |
| Rx+ | 2 |
| Tx- | 3 |
| Rx- | 4 |

■ Operating voltage (output stage / control)

| Signal | PIN |
|---------------------|-----|
| +UB (output stage) | 1 |
| +UB (control) | 2 |
| GND (output stage)* | 3 |
| GND (control)* | 4 |

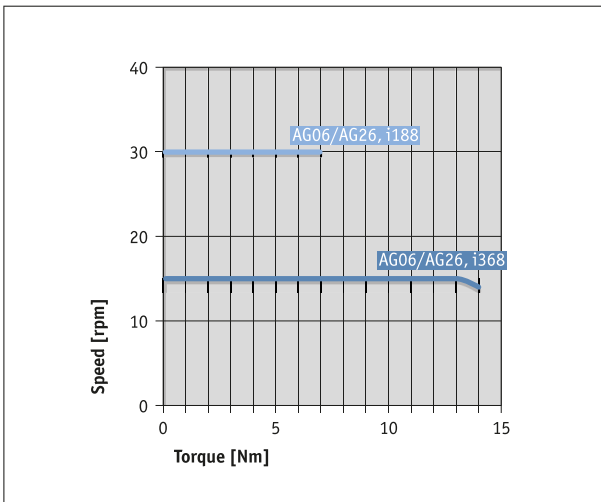
* internally connected with SGND

■ Digital inputs / outputs

| Signal | PIN |
|------------|-----|
| Input 1 | 1 |
| Input 2 | 2 |
| Input 3 | 3 |
| Input 4 | 4 |
| "Output 1" | 5 |
| RXD | 6 |
| TXD | 7 |
| SGND* | 8 |

* internally connected with GND of operating voltage

Performance curve



Industry 4.0

In most cases, data exchange with the actuators is limited to the exchange of process data. In addition to the process data, intelligent drives provide additional information that can be evaluated for condition monitoring up to predictive maintenance:

| Process data | Smart Value | Smart Function |
|-------------------|-------------------------------|-------------------------------|
| Actual position | Temperature | Overload, ambient temperature |
| "Target position" | current | Torque, overload |
| Speed | Volatage load Voltage control | Voltage drop, line break |
| | On/Off time | Operating time |
| | Battery voltage | Battery change planning |
| | | Web server (EPN, EIP) |

Order

Ordering table

| Feature | Ordering data | Spezifikation | Additional information |
|---------------------|----------------------------|--|------------------------|
| Gear ratio | A 188 368 | i = 188 i = 368 | |
| Protection category | B IP54 IP65 | IP54 IP65 | |
| interface/protocol | C ECT EIP EPL EPN | EtherCAT EtherNet/IP POWERLINK PROFINET | |

Order key

AG26 - - 50W - - KR/20 - B - ABM - - SW

**Scope of delivery:**

AG26, Quick Start Guide

**Accessories you can find:**

Cable extension KV04S2

www.siko-global.com

Cable extension KV08S2

www.siko-global.com

Programming software ProTool DL

www.siko-global.com

Overview, Mating connector, Overview

www.siko-global.com

Mating connector, Operating voltage, 4-pole, angle socket

Order key 83091

Mating connector, digital inputs/outputs, 8-pole, socket

Order key 83525

Mating connector, Operating voltage, 4-pole, socket

Order key 83526

Mating connector, digital inputs/outputs, 8-pole, angle socket

Order key 87599

Mating connector, port 1 + port 2, 4-pole, angular pin

Order key 87600

Mating connector, port 1 + port 2, 4-pole, pin

Order key 87601