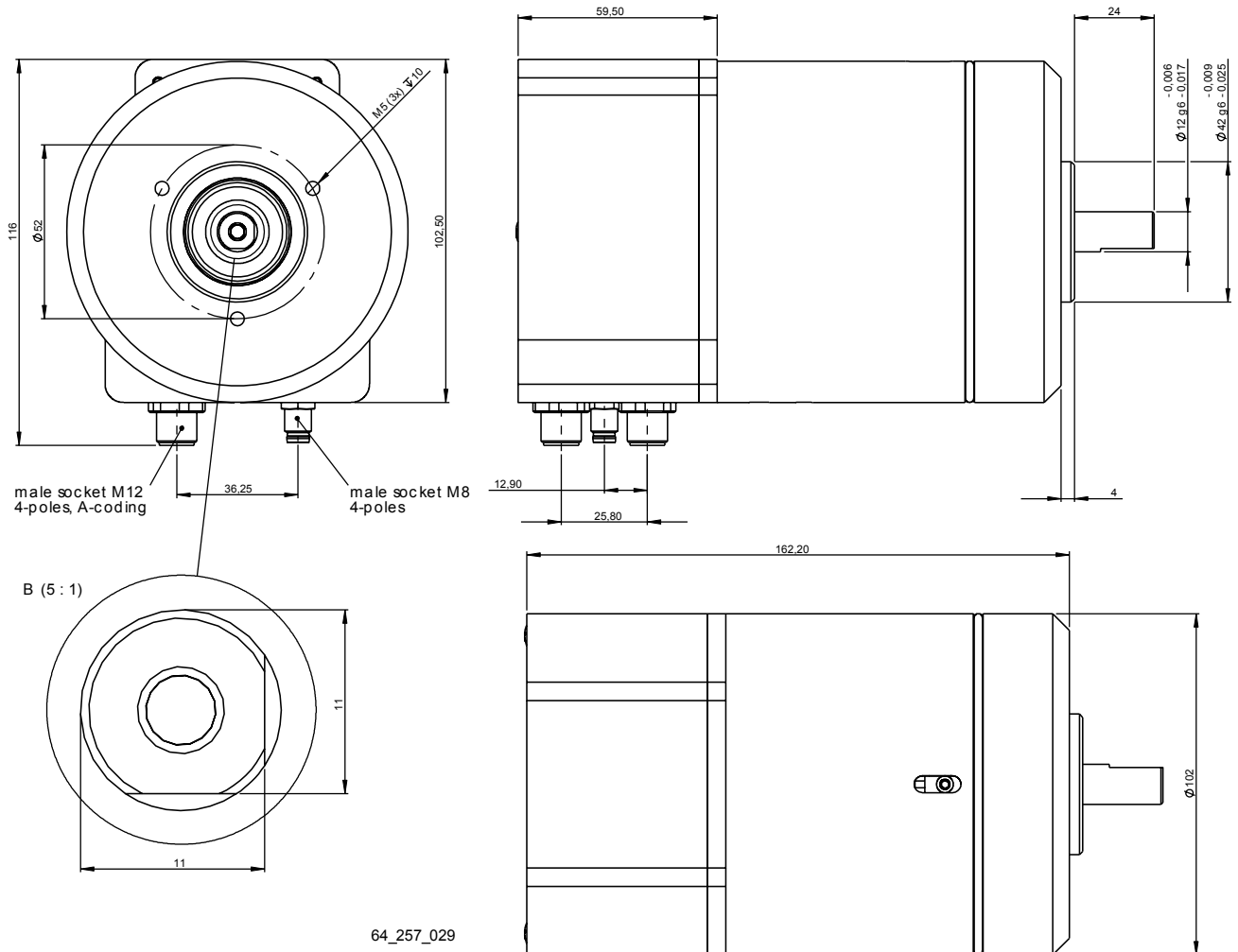


Dimensions



All dimensions in mm

Brake moment

| Nominal brake moment [Nm] | Adjustment range [Nm] |
|---------------------------|-----------------------|
| 1,5 | approx. 0,15 ... 1,5 |

Non-standard nominal brake moments upon request

Order code

| | CTA | 3 | - 1,5 | - S |
|---------------------------|---------------|---|-------|-----|
| Type | | | | |
| Construction size | | | | |
| Nominal brake moment [Nm] | | | | |
| Connection type | S: Connectors | | | |

Scope of supply

Hysteresis brake

CTA

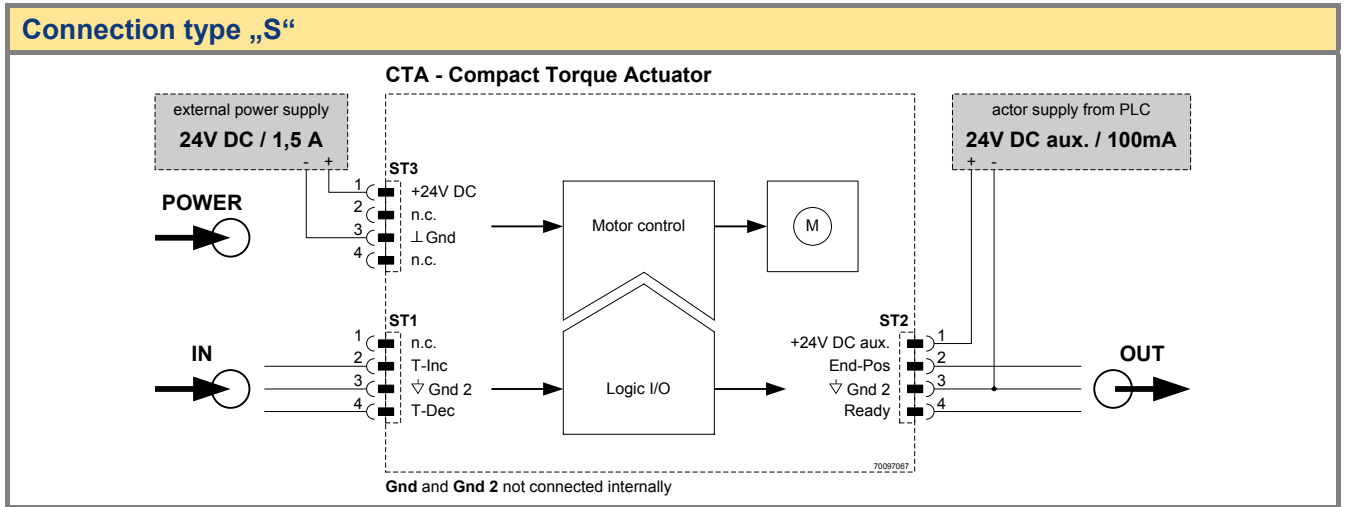
Compact Torque Actuator

Hysteresis brake, electrically adjustable

Technical data

| | | |
|--|-------------------------|--------------|
| Nominal brake moment | Nm | 1,5 |
| Brake moment min. | Nm | approx. 0,15 |
| max. admissible rotation speed | 1/min | 100 |
| Braking power max. | W | 15 |
| Mass moment of inertia | kgcm² | 2 |
| Bearing load radial max. | N | 50 |
| Bearing load axial max. | N | 150 |
| Digital Inputs | | |
| - Input voltage High | V | 20 to 27 |
| - Input voltage Low | V | 0 to 0,8 |
| - Input impedance typ. | kΩ | 1,4 |
| - Input current at 24V DC typ. | mA | 17 |
| Digital outputs | | |
| - Output voltage High typ. | V | 23 |
| - Output current max. | mA | 10 |
| Adjustment speed | Nm/s | approx. 0,1 |
| Supply voltage | V DC | 24 ± 10% |
| Current consumption on standby typ. | mA | 60 |
| Current consumption on adjustment typ. | A | 1 |
| Auxiliary supply voltage for digital outputs | V | 24 ± 10% |
| Current consumption max. | mA | 90 |
| Rated temperature range | °C | 0 to 50 |
| Operational temperature range | °C | -10 to 60 |
| Storage temperature range | °C | -20 to 60 |
| Weight | kg | 2,8 |
| Protection class | | IP 54 |

Block diagram



Digital I/O

| INPUTS | Name | Description |
|--------|-------|--|
| | T-Inc | Increment brake moment On HIGH level the brake moment is increased until the maximum brake moment (End-Pos 1) is reached. |
| | T-Dec | Decrement brake moment On HIGH level the brake moment is decreased until the minimum brake moment (End-Pos 2) is reached. |

| OUTPUTS | Name | Description |
|---------|---------|---|
| | Ready | Ready for operation The brake is electrically ready for operation. |
| | End-Pos | One end position reached The brake moment can only be adjusted in the other direction. |

CTA

Compact Torque Actuator

Hysteresis brake, electrically adjustable

Connections

| Connection type „S“ | | | |
|---------------------|---|---|-----------------------------------|
| | | | |
| | Assignment | Conductor coloring | Connector specification |
| POWER | 1: +24V DC 2: n.c. 3: ⊥ Gnd 4: n.c. | 1: brown 2: white 3: blue 4: black | Male socket M8, 4 pole |
| IN | 1: n.c. 2: T-Inc 3: ∇ Gnd 2 4: T-Dec | 1: brown 2: white 3: blue 4: black | Male socket M12, 4 pole, A-coding |
| OUT | 1: +24V DC aux. 2: End-Pos 3: ∇ Gnd 2 4: Ready | 1: brown 2: white 3: blue 4: black | Male socket M12, 4 pole, A-coding |

Technical design subject to change without prior notice. © 2010 by Honigmann

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