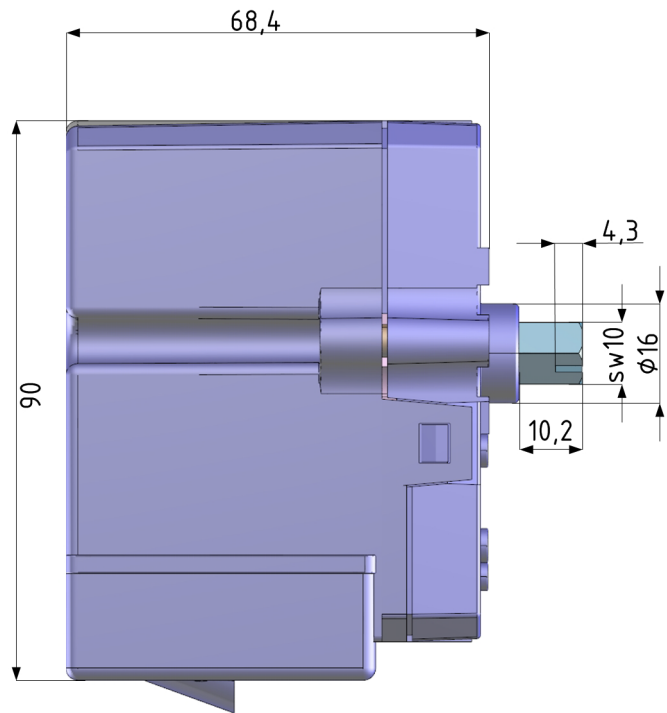
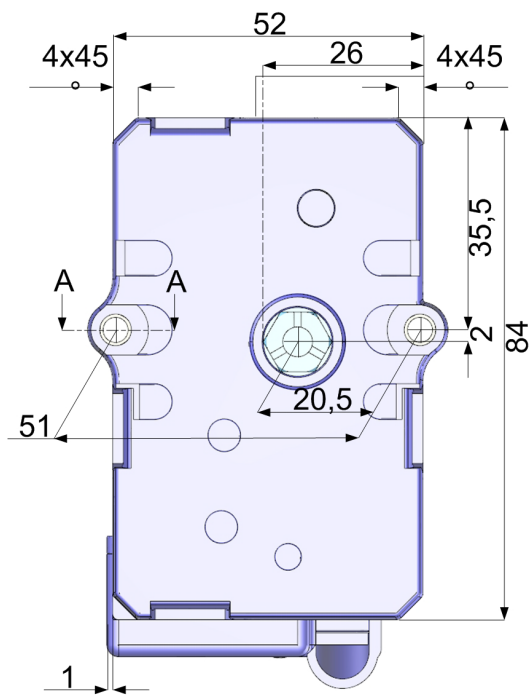
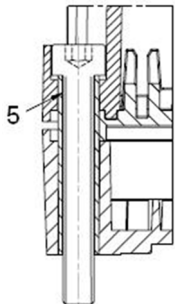


## Technical Data Servo motor 0,8 Nm



A-A 2:1



- 1 15.4 (+0.3/-1) including axial play
- 2 Cap cannot be removed by hand
- 3 Flexible control cable (black), length 1.5 m | 59.06" in
- 4 Plug connector (RAST 2.5) pole number 6
- 5 Brass tube and M4 x 30 DIN 912 cylinder bolt, tightening torque max. 1.5 Nm

## Technical Data Servo motor 0,8 Nm

| Function                        |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Power supply                    | 24 VDC $\pm 20\%$                                                                   |
| Floating time                   | 5 s / 90° at 180 Hz                                                                 |
| Direction of rotation 0° to 90° | right                                                                               |
| Torque                          | 0.8 Nm (both directions)                                                            |
| Holding torque                  | 0.4 Nm (no power)<br>0.7 Nm                                                         |
| Permissible radial load         | 30 Nm (centre of output shaft)                                                      |
| Permissible axial load          | 5 N                                                                                 |
| Axial play of drive shaft       | 0.1 ... 0.2 mm                                                                      |
| Cable length                    | securely connected 0,6 m   23.62" in<br>pluggable max. 10 m <sup>1</sup>   32.81 ft |

1 valid for BT300 SN1801... and higher

| Environmental conditions |                                        |                                                              |
|--------------------------|----------------------------------------|--------------------------------------------------------------|
| Operation                | Climatic condition                     | Class 3K3 according to DIN EN 60721-3                        |
|                          | Mechanical condition                   | Class 3M3 according to DIN EN 60721-3                        |
|                          | Temperature range                      | -20 ... +60 °C   -4 ... -140 °F (condensation is prohibited) |
| Transport                | Climatic condition                     | Class 2K3 according to DIN EN 60721-3                        |
|                          | Mechanical condition                   | Class 2M2 according to DIN EN 60721-3                        |
|                          | Temperature range                      | -20 ... +70 °C   -4 ... +158 °F (condensation is prohibited) |
| Storage                  | Climatic condition                     | Class 1K3 according to DIN EN 60721-3                        |
|                          | Mechanical condition                   | Class 1M2 according to DIN EN 60721-3                        |
|                          | Temperature range                      | -20 ... +70 °C   -4 ... +158 °F (condensation is prohibited) |
| Bursting strength        | Peak voltage                           | 4 kV                                                         |
|                          | Repeat frequency                       | 2,5 kHz                                                      |
| Electrical safety        | Protection class 2 as per DIN EN 60730 |                                                              |

### DANGER!

#### Danger by electrical shock!

Shut down before opening the cover, otherwise it is possible to get in contact with conducting parts. This may cause an electrical shock. Only open when it is disconnected it all-pole.

- Disconnect BurnerTronic all-pole.

### NOTICE

#### Damaging the 0,8 Nm servo motor by opening the actuator.

Do not open the servo motor at another part as the cover of the electric connection, otherwise the servo motor will be damaged.

The warranty expires and is invalid.

- Do not open the servo motor but at the cover of the electric connection.

### NOTICE

The limits of the technical data must be strictly adhered to.

# Technical Data Servo motor 0,8 Nm

## Order Information

| Description / Type                                                                                                                                                                                                                                                              | Order-no.  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Servo motor 0,8 Nm, degree of protection IP40, ambient temperature -20 °C ... +60 °C   -4 °F ... +140 °F, condensation prohibited, angel of rotation 90°, resolution 0,1°/ step, plastic transmission, rotation clockwise without connecting cable (must be ordered separately) | 662R5500-0 |
| Connecting cable for servo motor 662R5500-0, available in the following length:<br>60 cm   23.62" in, 100 cm   39.37" in, 150 cm   59.06" in, 200 cm   78.74" in, 300 cm   118.11" in<br>(please indicate the length with the order)                                            | 662R5590   |

## Approvals



The information in this publication is subject to technical changes.



**LAMTEC Meß- und Regeltechnik  
für Feuerungen GmbH & Co. KG**

Josef-Reiert-Straße 26

D-69190 Walldorf

Telefon: +49 (0) 6227 6052-0

Telefax: +49 (0) 6227 6052-57

[info@lamtec.de](mailto:info@lamtec.de)  
[www.lamtec.de](http://www.lamtec.de)

