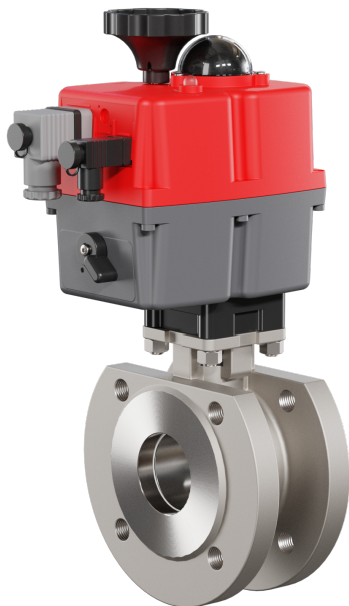


## Wafer-ball valve in stainless steel electrical actuator type EK07



### description:

Wafer ball valve made of stainless steel with electrical actuator to shut off pipeline systems.

### features:

- suitable for neutral and not neutral **gaseous & liquid media**
- ETL electronic torque limiting
- AVS automatic voltage sensing
- ATC automatic temperature control
- emergency operating
- visual position indicator

### connection:

DN15 – DN100

### construction:

Full port design

### pressure:

0 – 16 bar

### design:

#### body:

ball valve with electrical actuator

#### ball:

stainless steel 1.4408

#### ball seal:

stainless steel 1.4408

#### packing:

PTFE + TFM

#### nominal diameter:

PTFE

#### temperature:

short

generally -20°C to +180°C (depending on working pressure);  
temperatures >70°C -> coupler + bracket must be used

### body actuator:

corrosion resistant synthetic body

### plug connection:

external acc. to DIN 43650

### temperature:

generally -20°C to +70°C

### mounting pad:

acc. to ISO 5211

### power supply:

#### Actuator L10

24V AC/DC – Low Version

#### Actuator J10H

100-240V AC/DC – High Version

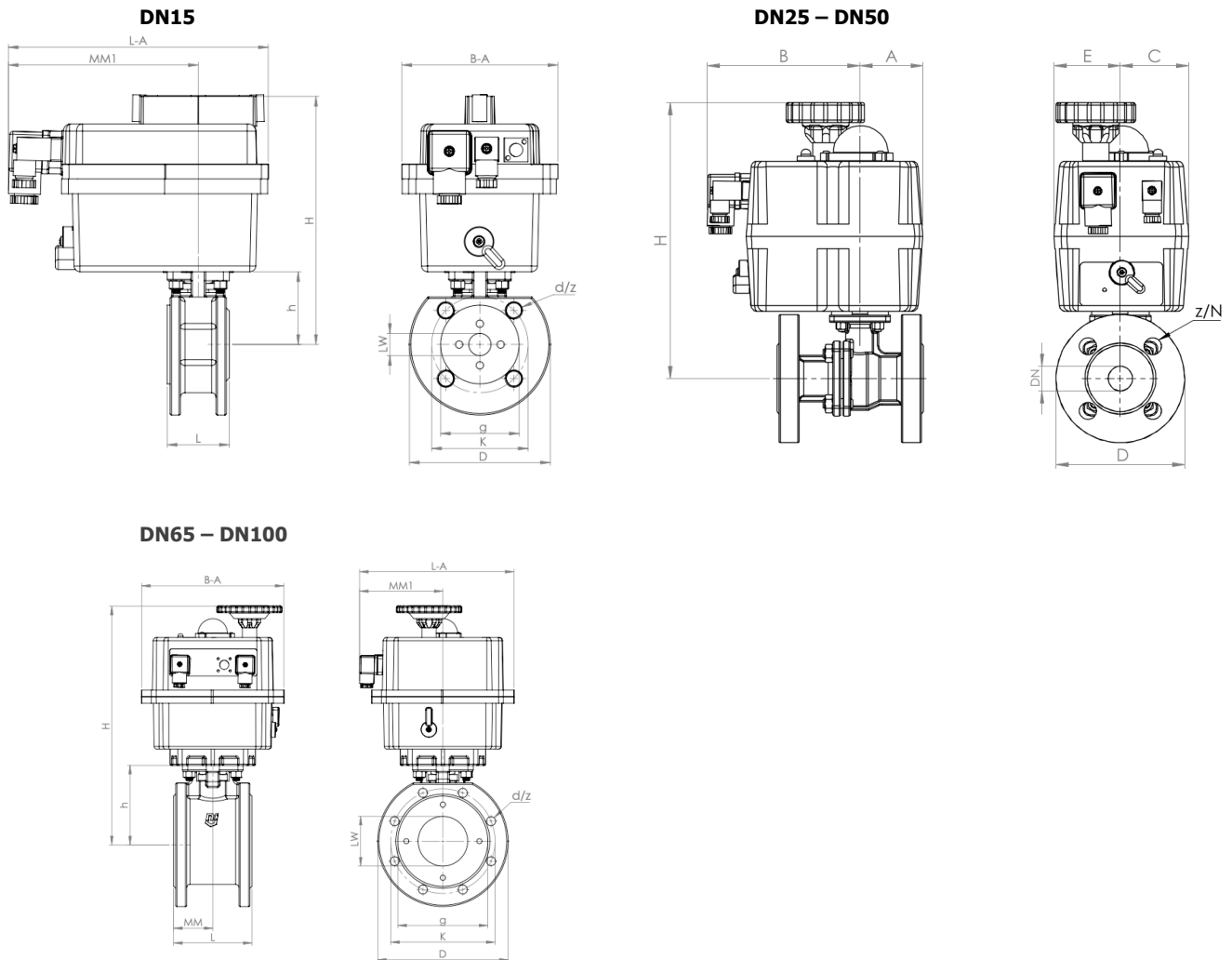
#### Actuator S

24-240V AC/DC

### mounting position:

free, not upside down

## drawing:



## dimensions:

| DN  | PN | L   | h    | LW   | g   | K   | D   | d  | z | B-A | MM1 | L-A | H     | Flansch  | Antrieb      | Gewicht |
|-----|----|-----|------|------|-----|-----|-----|----|---|-----|-----|-----|-------|----------|--------------|---------|
|     |    |     |      |      |     |     |     |    |   |     |     |     |       | ISO 5211 | Drehantrieb* |         |
| 15  | 16 | 42  | 49   | 15   | 45  | 65  | 95  | 14 | 4 | 105 | 122 | 175 | 168   | F04      | L10/J10H     | 2,15    |
| 20  | 16 | 44  | 53,5 | 20   | 58  | 75  | 105 | 14 | 4 | 105 | 122 | 175 | 172,5 | F04      | L10/J10H     | 2,55    |
| 25  | 16 | 50  | 62   | 25   | 68  | 85  | 115 | 14 | 4 | 110 | 126 | 176 | 233   | F05      | S 20         | 3,80    |
| 32  | 16 | 60  | 72   | 32   | 78  | 100 | 140 | 18 | 4 | 110 | 126 | 176 | 243   | F05      | S 20         | 5,70    |
| 40  | 16 | 65  | 78   | 38   | 88  | 110 | 150 | 18 | 4 | 110 | 126 | 176 | 249   | F07      | S 35         | 6,50    |
| 50  | 16 | 80  | 86   | 50   | 102 | 125 | 165 | 18 | 4 | 110 | 126 | 176 | 282   | F07      | S 55         | 9,30    |
| 65  | 16 | 110 | 108  | 63,5 | 110 | 145 | 185 | 18 | 4 | 110 | 126 | 176 | 304   | F10      | S 85         | 13,20   |
| 80  | 16 | 120 | 116  | 76   | 138 | 160 | 200 | 18 | 8 | 218 | 128 | 236 | 360   | F10      | S 140        | 19,80   |
| 100 | 16 | 150 | 139  | 95   | 158 | 180 | 220 | 18 | 8 | 218 | 128 | 236 | 383   | F10      | S 300        | 27,90   |

\*actuator size for greasing mediums, (for non-greasing mediums on request)

Please note:

Actuator must be bigger, if used with non-greasing media (e. g. water). Please contact us for a configuration.

| actuator        | ISO Flange   | octagon mm | Protection class | Operating factor | power supply   |                |               |                | Working torque | Starting torque | time for of cycle 90° without strain                |
|-----------------|--------------|------------|------------------|------------------|----------------|----------------|---------------|----------------|----------------|-----------------|-----------------------------------------------------|
|                 |              |            |                  |                  | 24V AC         | 24V DC         | 110V AC/DC    | 230V AC/DC     |                |                 |                                                     |
| <b>L10/J10H</b> | F03/F05      | 14         | IP65             | 75%              | 0,4A L<br>9,4W | 0,4A L<br>9,4W | 0,3A H<br>30W | 0,3A H<br>60W  | 10 Nm          | 12 Nm           | L10 = 19 sec. (+/- 10%)<br>J10H = 16 sec. (+/- 10%) |
| <b>S20</b>      | F03/F04 /F05 | 9/11/14    | IP67             | 75%              | 1,3A<br>30,7W  | 1,0A<br>23,4W  | 0,3A<br>32,7W | 0,2A<br>46,0W  | 20 Nm          | 25 Nm           | 9 sec. (+/- 10%)                                    |
| <b>S35</b>      | F03/F04 /F05 | 9/11/14    | IP67             | 75%              | 1,7A<br>40,2W  | 1,4A<br>32,8W  | 0,4A<br>41,9W | 0,2A<br>46,0W  | 35 Nm          | 38 Nm           | 9 sec. (+/- 10%)                                    |
| <b>S55</b>      | F05/F07      | 14/17      | IP67             | 75%              | 2,0A<br>47,5W  | 1,6A<br>39,0W  | 0,4A<br>47,0W | 0,2A<br>46,0W  | 55 Nm          | 60 Nm           | 13 sec. (+/- 10%)                                   |
| <b>S85</b>      | F05/F07      | 14/17      | IP67             | 75%              | 1,5A<br>36,0W  | 1,2A<br>29,3W  | 0,3A<br>36,5W | 0,2A<br>46W    | 85 Nm          | 85 Nm           | 29 sec. (+/- 10%)                                   |
| <b>S140</b>     | F07/F10      | 22         | IP65             | 75%              | 3,3A<br>79,2W  | 2,5A<br>60,7W  | 0,7A<br>78,7W | 0,4A<br>105,6W | 140 Nm         | 170 Nm          | 34 sec. (+/- 10%)                                   |
| <b>S300</b>     | F07/F10      | 22         | IP65             | 75%              | 3,3A<br>79,2W  | 2,7A<br>64,7W  | 0,8A<br>84,7W | 0,5A<br>113,5W | 300 Nm         | 350 Nm          | 58 sec. (+/- 10%)                                   |

## article number:

| type        | voltage                                      | seal             | size                                                                                                                      |
|-------------|----------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>EK07</b> | 00 – 24V AC/DC<br><b>01 – 100-240V AC/DC</b> | <b>00 – PTFE</b> | 03 – DN15<br>04 – DN20<br><b>05 – DN25</b><br>06 – DN32<br>07 – DN40<br>08 – DN50<br>09 – DN65<br>10 – DN80<br>11 – DN100 |

## Example no. EK07010005:

**EK07** | **01** | **00** | **05**

Flange ball valve made of stainless steel with electrical actuator

Voltage: 100-240V AC/DC

Seal: PTFE

Size: DN25

Please note:

Actuator must be bigger, if used with non-greasing media (e. g. water). Please contact us for a configuration.

Image similar, subject change without notice.