

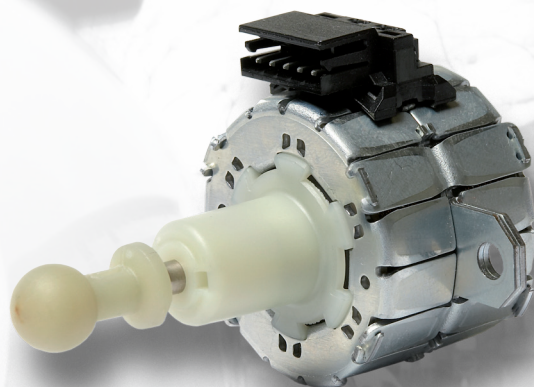


## ELD4

### Headlamp adjuster actuator

Supporting the Automotive Industry's actuation needs with more than 20 years of technological leadership, Johnson Electric has a huge knowledge and experience in examining how our products and systems relate to our customers HLA (Head Light Adjustment) application requirements and customer comfort.

With this Know-How we are continuously optimizing our products to meet the wide variety of customer specifications relating to control strategies, packaging footprints and force range.



#### Performance (typical)

| Voltage range<br>(V) | Speed range<br>(mm/s) | Nominal force<br>@ 13V/23°C/300FS/s<br>(N) | Minimal force<br>@ 10V/-40°C/300FS/s<br>(N) | Maximum force<br>@ 16V/23°C/300FS/s<br>(N) | Travel range<br>(mm) | Temperature range<br>(°C) | Duty cycle<br>(% of 1 min) | Protection degree |
|----------------------|-----------------------|--------------------------------------------|---------------------------------------------|--------------------------------------------|----------------------|---------------------------|----------------------------|-------------------|
| 10 - 16              | 6 - 15                | > 40                                       | > 22                                        | < 90                                       | 0 - 22               | -40 – 120                 | 30                         | IP40              |

#### Electrical connection & control

- 2 phase bipolar stepper actuator
- Driver electronic not included
- Chopper control half step compensated; other step modes possible

#### Design Features

- 22 mm linear travel range version with sensor feedback available
- LIN-bus version with embedded electronic available
- Different connector / shaft / mounting configurations available
- Resolution 1/60 mm per HS

