

# ERS FENIX 09 for the Elevator Market



## Elevator Applications

- Gearless Motors
- Gear Motors

## ELECTRICALLY RELEASED BRAKE FOR ELEVATORS

### Electrically Released Safety Brake

The ERS FENIX 09 is an electrically released safety brake that operates in static and emergency stops that is designed to offer a double braking system. The ERS FENIX 09 is particularly suitable for gearless motors to meet EN81-20&50 conformity.

- Complies with Directive 2014/33/EU
- Standard torque capacity from 2x5Nm up to 2x2300Nm
- 2 magnets and 2 friction discs
- Available with optional dustcover and hand release
- Low noise operation through the life of the brake
- Very easy installation
- Micro switch equipped
- Nearly maintenance free (further information in our service manual)
- Overexcitation (dual voltage) or single voltage

[www.warnerelectric.com](http://www.warnerelectric.com)

**WARNER ELECTRIC**  
A REGAL REYNOLD BRAND

### ERS FENIX

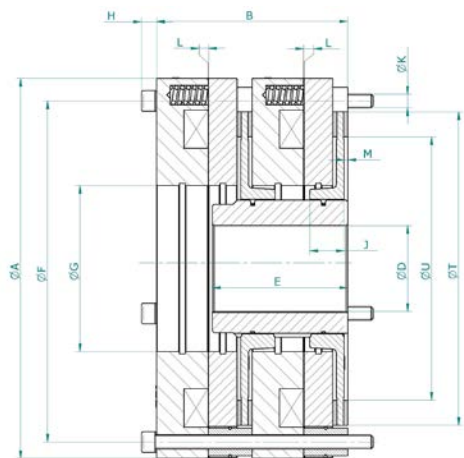
ERS FENIX

| Brake Configuration |                     | Nominal Torque of Brake size / 100 |        | Real Selling Torque of Bake |         |
|---------------------|---------------------|------------------------------------|--------|-----------------------------|---------|
| 08                  | 1 Magnet & 1 Disc   | 0.05                               | 5 Nm   |                             | 06      |
| 09                  | 2 Magnets & 2 Discs | 0.10                               | 10 Nm  | 10                          | 1000 Nm |
| 10                  | 1 Magnet & 2 Discs  | 0.20                               | 20 Nm  | 12                          | 1200 Nm |
|                     |                     | 0.35                               | 35 Nm  | 15                          | 1500 Nm |
|                     |                     | 0.60                               | 60 Nm  | 20                          | 2000 Nm |
|                     |                     | 01                                 | 100 Nm | 23                          | 2300 Nm |
|                     |                     | 02                                 | 200 Nm | 30                          | 3000 Nm |
|                     |                     | 03                                 | 300 Nm | 46                          | 4600 Nm |
|                     |                     | 04                                 | 400 Nm |                             |         |

Example of name: **ERS FENIX 09 10-1000**

(Brake with 2 magnets, 2 disc, nominal torque of size = 1000Nm, real torque of size = 1000Nm)

## ERS FENIX 09



## Voltage (VDC)

| With Overexcitation |                        | Without Overexcitation |
|---------------------|------------------------|------------------------|
| Holding Voltage     | Overexcitation Voltage | Single Voltage         |
| 24                  | 48                     | 24                     |
| 52                  | 103.5                  | 103.5                  |
| 103.5               | 207                    | 207                    |
| ED=50%              |                        |                        |

| Size                        |     | 01                                            | 02     | 03     | 06     | 10     | 15     | 23     |        |        |         |         |         |         |         |
|-----------------------------|-----|-----------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| High Speed I<br>High Energy | Nm  | 2x 70                                         | 2x 130 | 2x 150 | 2x 250 | 2x 200 | 2x 400 | 2x 575 | 2x 800 | 2x 900 | 2x 1350 | 2x 1500 | 2x 2000 | 2x 1700 | 2x 2500 |
| Cert. Max<br>Speed          | RPM | 3000                                          | 1200   | 2800   | 1000   | 2200   | 800    | 1300   | 600    | 1500   | 500     | 1400    | 400     | 1200    | 400     |
| A                           | mm  | 166                                           | 194    | 234    | 274    | 332    | 365    | 395    |        |        |         |         |         |         |         |
| B                           | mm  | 151                                           | 162    | 156    | 196    | 182    | 226    | 250    |        |        |         |         |         |         |         |
| D Standard H7               | mm  | Can vary depending on customer specifications |        |        |        |        |        |        |        |        |         |         |         |         |         |
| E                           | mm  |                                               |        |        |        |        |        |        |        |        |         |         |         |         |         |
| F                           | mm  | 145                                           | 170    | 214    | 250    | 303    | 330    | 360    |        |        |         |         |         |         |         |
| G                           | mm  | 59                                            | 70     | 80     | 98     | 145    | 145    | 188    |        |        |         |         |         |         |         |
| H                           | mm  | 9.4                                           | 9.4    | 9.4    | 13.1   | 13.1   | 17.3   | 17.3   |        |        |         |         |         |         |         |
| J                           | mm  | 13                                            | 13     | 13     | 30     | 30     | 30     | 28.5   |        |        |         |         |         |         |         |
| K                           | -   | 3xM8                                          | 3xM8   | 6xM8   | 3xM12  | 4xM12  | 4xM16  | 4xM16  |        |        |         |         |         |         |         |
| T                           | mm  | 125                                           | 150    | 194    | 222    | 275    | 296    | 325    |        |        |         |         |         |         |         |
| U                           | mm  | 90                                            | 116    | 145    | 175    | 230    | 230    | 210    |        |        |         |         |         |         |         |
| Hand- Release               | -   | OPTION                                        |        |        |        |        |        |        |        |        |         |         |         |         |         |
| Weight                      | Kg  | 20                                            | 28     | 42     | 68     | 82     | 138    | 170    |        |        |         |         |         |         |         |

| Size                     |     | 0.05                                          |      | 0.10 |      | 0.20 |      | 0.35 |      | 0.60 |      |
|--------------------------|-----|-----------------------------------------------|------|------|------|------|------|------|------|------|------|
| High Speed I High Energy | Nm  | 5                                             | 7.5  | 10   | 15   | 20   | 30   | 35   | 50   | 60   | 75   |
| Cert. Max Speed          | RPM | 5000                                          | 2000 | 5000 | 2000 | 4600 | 1700 | 4000 | 1500 | 3500 | 1200 |
| A                        | mm  | 86                                            |      | 98   |      | 133  |      | 153  |      | 164  |      |
| B                        | mm  | 106                                           |      | 108  |      | 104  |      | 104  |      | 120  |      |
| C                        | mm  | 3.2                                           |      | 3.2  |      | 6    |      | 6    |      | 6    |      |
| D                        | mm  | Can vary depending on customer specifications |      |      |      |      |      |      |      |      |      |
| E                        | mm  |                                               |      |      |      |      |      |      |      |      |      |
| F                        | mm  | 72                                            |      | 90   |      | 112  |      | 132  |      | 145  |      |
| G                        | mm  | 26                                            |      | 31   |      | 43.5 |      | 51   |      | 52   |      |
| ØK                       | mm  | 3xM4                                          |      | 3xM5 |      | 3xM5 |      | 3xM6 |      | 3xM8 |      |
| AA                       | mm  | 86                                            |      | 98   |      | 133  |      | 153  |      | 164  |      |
| T                        | mm  | 60                                            |      | 77   |      | 96   |      | 116  |      | 125  |      |
| U                        | mm  | 48                                            |      | 60   |      | 68   |      | 80   |      | 90.5 |      |
| Hand release             | -   | OPTION                                        |      |      |      |      |      |      |      |      |      |
| Weight                   | Kg  | 3.4                                           |      | 4    |      | 8    |      | 10.8 |      | 13.4 |      |

