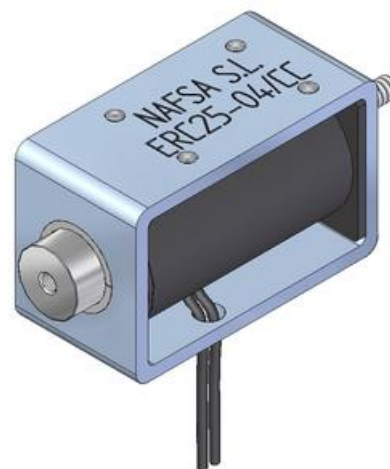


## NAFSA - ERC SERIES

ERC25-04/CC

- Pull / push design, with optional spring
- Class B winding (130°C)
- Duty cycle 0 to 100%
- Up to 191N force
- Customer specific version available



### PRODUCT DESCRIPTION

The ERC series of electromagnets are a double acting push/pull solenoid.

When an electrical connection is made to the coil, the plunger moves through the magnetic field and pushes the shaft along its designated stroke.

Upon removing the electrical connection, the shaft remains in position and is returned with reverse polarity or optional return spring.

Many different standard versions are available (please see catalogue PDF below) and application specific designs can be provided for larger volume requirements.

### TECHNICAL DATA

|   |        |
|---|--------|
| <b>Absorbed power @ 20°C, 100% duty</b>       | 6,3 W  |
| <b>Absorbed power @ 20°C, 15% duty</b>        | 40,3 W |
| <b>Absorbed power @ 20°C, 25% duty</b>        | 24,7 W |
| <b>Absorbed power @ 20°C, 40% duty</b>        | 15,2 W |
| <b>Absorbed power @ 20°C, 5% duty</b>         | 123 W  |
| <b>Beginning of stroke force at 100% duty</b> | 4,4 N  |
| <b>Beginning of stroke force at 15% duty</b>  | 14 N   |
| <b>Beginning of stroke force at 25% duty</b>  | 10,6 N |
| <b>Beginning of stroke force at 40% duty</b>  | 8,2 N  |
| <b>Beginning of stroke force at 5% duty</b>   | 23 N   |
| <b>End of stroke force at 100% duty</b>       | 12,4 N |
| <b>End of stroke force at 15% duty</b>        | 25,4 N |
| <b>End of stroke force at 25% duty</b>        | 20,6 N |
| <b>End of stroke force at 40% duty</b>        | 17,6 N |

|                                       |           |
|---------------------------------------|-----------|
| <b>End of stroke force at 5% duty</b> | 36,8 N    |
| <b>Function</b>                       | pull/push |
| <b>Insulation class</b>               | B(130°C)  |
| <b>IP class</b>                       | IP00      |
| <b>Spring return</b>                  | Yes       |
| <b>Stroke</b>                         | 4 mm      |
| <b>Total weight</b>                   | 110 g     |
| <b>Voltage ac max</b>                 | 230 V     |
| <b>Voltage ac min</b>                 | 110 V     |
| <b>Voltage dc max</b>                 | 205 V     |
| <b>Voltage dc min</b>                 | 6 V       |
| <b>Voltage type</b>                   | AC, DC    |

