**ER30/C TYPE**

Protection rate: IP00  
Insulation class: B (130°C)  
Cycle duration: 2 minutes  
Standard stroke "s": 8mm  
Temperature rise: "ΔTs": 70°C  
Work: pull/push  
Incorporated return spring: YES

<table>
<thead>
<tr>
<th>Duty-cycle ED(%)</th>
<th>100</th>
<th>40</th>
<th>25</th>
<th>15</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abs. Power at 20°C (W)</td>
<td>8</td>
<td>20</td>
<td>30</td>
<td>50</td>
<td>120</td>
</tr>
<tr>
<td>Minimum force (N)</td>
<td>2.9</td>
<td>5.6</td>
<td>7.8</td>
<td>11.4</td>
<td>19.7</td>
</tr>
<tr>
<td>Max time under voltage(s)</td>
<td>∞</td>
<td>48</td>
<td>30</td>
<td>18</td>
<td>6</td>
</tr>
<tr>
<td>Plunger weight (g)</td>
<td>25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solenoid weight (g)</td>
<td>140</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Voltage under demand:  
They can be manufactured at any voltage between the maximum and minimum voltage values shown in the chart.  
2) To feed in alternating current the solenoid will have a rectifier incorporated in the coil.  
3) The duty cycles described in the chart are standard, they can be manufactured in any intermediate cycle.  
4) If any variation from the original is needed, please ask us.  
5) The terminals can be changed by leads.  
6) Earthing is recommended if the metallic parts are accessible.

**Force stroke curve**

Calculation of the effective force: see pages 1 and 10

**Solenoid under voltage**

**Ordering code:**  
ER30/C --V ED--% - Mounting position - Spring  
Example: Standard voltage: 24Vdc Duty cycle: ED100%: Mounting position A: With spring: ER30/C 24Vdc ED100% A RS  
Standard voltage: 12Vdc Duty cycle: ED15%: Mounting position C: Without spring: ER30/C 12Vdc ED15% C RN

For fixation and positions (A, B, C, D) of the solenoid: see page 10  
Spring yes: RS; Spring no: RN