ER45-05/C TYPE

Protection rate: IP00
Insulation class: B (130ºC)
Cycle duration: 3 minutes
Standard stroke "s": 5mm
Temperature rise "ΔVs": 70ºC
Work: pull/push
Incorporated return spring: YES

- Duty-cycle ED(%) 100 40 25 15 5
- Abs. Power at 20ºC (W) 12 30 48 80 240
- Minimum force (N) 0.1 6.3 10.6 14.4 35
- Max time under voltage(s) ∞ 60 38 23 8
- Plunger weight (g) 59
- Solenoid weight (g) 285

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.

<table>
<thead>
<tr>
<th>Duty-cycle</th>
<th>Standard voltages</th>
<th>Under demand voltages</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED%</td>
<td>VDC</td>
<td>VAC</td>
</tr>
<tr>
<td>100%</td>
<td>6   12 24 48 100 255 300</td>
<td>5 230 34 230</td>
</tr>
<tr>
<td>40%</td>
<td>x   0 0 0 0 0 0 0</td>
<td>7 230 86 230</td>
</tr>
<tr>
<td>25%</td>
<td>x   0 0 0 0 0 0 0</td>
<td>9 230 138 230</td>
</tr>
<tr>
<td>15%</td>
<td>x   0 0 0 0 0 0 0</td>
<td>11 230 230 230</td>
</tr>
<tr>
<td>5%</td>
<td>x   x 0 0 0 0 0 0</td>
<td>16 230 x x</td>
</tr>
</tbody>
</table>

Layout: o = Available ; x = Unavailable

Ordering code: ER45-05/C --V ED--%
Example: Standard voltage: 24Vdc Duty cycle: ED100% Mounting position A: With spring : ER45-05/C 24Vdc ED100% A RS
Standard voltage: 12Vdc Duty cycle: ED15% Mounting position C: Without spring: ER45-05/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