C5-R20
Magnetic latching relay
Two Change-over contacts, 10 A

10 A 400 V AC1 10 A 30 V DC1
0.2 A 220 V DC1 0.5 A 110 V DC1

Contacts
Materials: Standard, code 0  
AgNi
Max. switching current 10 A
Max. peak inrush current (20 ms) 30 A
Max. switching voltage 400 V
Max. AC load (Table 1) 4 KVA
Max. DC load (Table 2)

Coils (Ohms ±10% @ 20°C)
ON pulse power 1.5 VA/W
OFF pulse power 0.5 VA/W
One winding for AC, two windings for DC

Table 1  Electrical Life, ops. x 10^6

<table>
<thead>
<tr>
<th>KVA</th>
<th>AC1</th>
<th>VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>0.1</td>
<td></td>
</tr>
<tr>
<td>2.5</td>
<td>0.01</td>
<td></td>
</tr>
</tbody>
</table>

Table 2  Max. DC Load

<table>
<thead>
<tr>
<th>DC1</th>
<th>L/R 40ms</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC1</td>
<td>0.187</td>
</tr>
<tr>
<td>L/R 40ms</td>
<td>0.187</td>
</tr>
</tbody>
</table>

Specifications
Minumum, pulse length for ON / OFF 50 ms
Ambient temperature -40°C (no ice) to +70°C
Mechanical life ops. 10 Mill. AC, 20 Mill. DC relays
Electrical life at nominal load ≥100,000 ops
Operating frequency at nominal load 1,200/hour
Protection degree IP 40/RT1
Weight avg. 95 g

Standard Types
AC 50 Hz, (60 Hz): 24, 48, 115, (110-120), 230, (240) C5-R20 ..........VAC
DC 12, 24, 48, 110 C5-R20 ..........VDC