MODEL TC-21

Payload Capacity–kg/lbs. .......................... 25/55
Static Moment X & Y Resistance†—Nm/lb-in. ........... 56.5/500
Static Moment Z Resistance†—Nm/lb-in. ............. 78/690
Positional Repeatability X, Y & Z—mm/in. ........... 0.015/0.0006
Weight when Coupled—kg/lb. ......................... 0.85/1.9
Locking Force @ 80 psi (5.5 bar)—kg/lb. .......... 2314/520

†Can handle a dynamic moment 3 times higher than the static moment capacity. Moment tests show failure point at 12 times static moment specifications.

Special Feature: Large 1/8 NPT ports in a small, lightweight package.

Options

<table>
<thead>
<tr>
<th>Option</th>
<th># Pins</th>
<th>Electrical Rating</th>
<th>Description</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>D15</td>
<td>15</td>
<td>3A/150V</td>
<td>D-sub connector, miniature size</td>
<td>Gold-plated contact pins</td>
</tr>
<tr>
<td>K19</td>
<td>19</td>
<td>3A/50V</td>
<td>MS miniature quick-disconnect connector</td>
<td>Sealed, no-touch master pins</td>
</tr>
<tr>
<td>K26</td>
<td>26</td>
<td>3A/50V</td>
<td>MS miniature quick-disconnect connector</td>
<td>Sealed, no-touch master pins</td>
</tr>
<tr>
<td>SIP</td>
<td>N/A</td>
<td>N/A</td>
<td>Lock/unlock sensing</td>
<td>See page 19</td>
</tr>
</tbody>
</table>

Notes:
1. Optional electrical module shown; consult catalog for other options.
2. Mounting hardware is provided; cover plate, o-ring and master plate screws.
3. Cover plate is not necessary if robot interface plate provides sealing. The recommended interface plate bore depth without a cover plate is 2.5mm, with a cover plate is 5.6mm.
4. Orientation marks are provided to assist in robot teaching.
5. Alignment allowed when coupling; consult specifications.
6. DXF, DWG and IGES images available upon request.

Phone 937-667-5705 ROBOTIC ACCESSORIES FAX: 937-667-7602