MODEL TC-60

Payload Capacity–kg/lbs. .......................... 75/165
Static Moment X & Y Resistance†–Nm/lb-in. .... 197/1740
Static Moment Z Resistance†–Nm/lb-in. ....... 294/2600
Positional Repeatability X, Y & Z-mm/in. ...... 0.015/0.006
Weight when Coupled–kg/lb. ....................... 2.06/4.5
Locking Force @ 80 psi (5.5 bar)–N/lb. ......... 7387/1660

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

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/50V</td>
<td>D-sub connector</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>P18</td>
<td>—</td>
<td>—</td>
<td>Additional (4) 1/8 NPT pneumatic ports</td>
<td>Provides a total of 12 pneumatic ports</td>
</tr>
<tr>
<td>SIP</td>
<td>—</td>
<td>—</td>
<td>Lock/unlock sensing</td>
<td>See page 19</td>
</tr>
</tbody>
</table>

Diameter when Coupled–mm/in. .................... 130/5.1
Height when Coupled–mm/in. ..................... 50/1.9
Pneumatic Port Type–Pass Through (8) ......... 1/8 NPT
Pneumatic Port–“Lock” & “Unlock” ............... 1/8 NPT
Max. Allowable Distance Between Plates before Locking-mm/in. ....... 5.0/0.20

Bottom View Tool Plate

Interface Advice:
The tool interface plate should be designed to use M8 screws, 0.8mm dowel pin and 0.8mm recess.

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. Interface plate is not necessary if robot interface plate provides sealing.
4. Orientation marks are provided to assist in robot teach-in.
5. Misalignment allowed when coupling; consult specifications.
6. DVF, DWG and IGES images available upon request.