Series 61000 Coaxial Transfer Switches
Type N, 7/16DIN, 1-5/8, 3-1/8, 4-1/16, 6-1/8

- Broadband
- TYPE N, 7/16DIN, 7/8EIA, 1-5/8EIA, 3-1/8EIA, 4-1/16, 6-1/8EIA Types Available
- Independent Interlock/Logic Circuits
- Compatible with Computer Control
- Compact, Light Weight

MCI Coaxial Transfer Switches are designed primarily for application in TV, AM, FM, UHF and other broadcast related areas. As four-port transfer switches, they will switch two signal sources between loads. Since they can also be used as SPDT switches, complex-switching matrices can easily be assembled.

A unique feature of these switches is the coplanar port configuration. In most installations, this permits neater, more compact layouts and requires fewer elbows. These switches are usually one-half to one-third the weight and occupy between one-half and one-sixth the volume of other commercially available switches.

Independent interlock/logic circuits are available for transmitter blanking, logic input, or position indication on all but the Type N model. These circuits are isolated from the switch control circuits and from ground. Internal interlocks are also included to remove the drive power at the end of the switching cycle to prevent inadvertent damage to the drive motor.

Action is accomplished by a standard high torque gear motor and is bi-directional to positive stops. In the event of loss of control power, these switches can be operated manually.

Since these switches can be controlled in groups or singly from remote locations, as well as integrated into computer controlled logic systems, they are ideally suited for use in unattended transmitter operations.

<table>
<thead>
<tr>
<th>Model</th>
<th>4 Port 1-5/8EIA Shown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Optional Features</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Local /Remote Control</td>
</tr>
<tr>
<td></td>
<td>SPDT</td>
</tr>
</tbody>
</table>

### Standard Features

- **Drive Power:**
  - **Type A:**
    - Model A: 12 VDC
    - Model B: 24 VDC
  - **Current:**
    - Model A: 0.40A NOM., 0.15A START
    - Model B: 0.34A NOM., 0.10A RUN
  - **Command Control Voltage:**
    - 12/24 VDC

### Optional Features

- **Unflanged Connectors**
- **Gas Pass, Pressure tight**
- **Additional Interlocks**

### Dimensions

- **4 Port Weight:**
  - lbs: 2.7
  - kg: 1.22
- **3 Port Weight:**
  - lbs: 2.5
  - kg: 1.13
- **Size:**
  - 4.2 x 4.2 x 4.5
  - (10.7 x 10.7 x 11.4)

### Technical Specifications

- **Switching Speed:**
  - Typical: > 0.1
  - Maximum: > 0.1
- **Frequency:**
  - DC-5GHz
- **Impedance:**
  - Ohms
- **Insertion Loss:**
  - dB
- **Drive Power:**
  - Model A: 12 VDC
  - Model B: 24 VDC

15 Caron Street – Merrimack, New Hampshire – Tele (603) 429-0800 – Fax (603)-429-1633
www.mcibroadcast.com/email: sales@mcibroadcast.com