Control System Migration
A universal conversion platform for legacy PLC Systems

Allen-Bradley PLC 5 1771 Migration
Weidmuller’s patented new universal conversion/migration platform will substantially reduce the time and expense of updating your legacy Allen-Bradley PLC 5 1771 to your new system.

**Uniquely designed solution**
The key to Weidmuller’s migration platform is in the design. It permits your existing field wiring to remain in place and undisturbed on the front panel adaptor and eliminates the need to wire-trace or ring-out.

**Compatibility means flexibility**
The assembly is a universal conversion/migration system for all legacy Allen-Bradley PLC 5 1771, enabling you to seamlessly migrate to any new control system.

**Minimal components maximize migration efficiency**
Weidmuller’s migration solution includes just five versions of a card adaptor, 10-, 12-, 18-, 21- and 40-points, plus five cable types to accommodate flying leads or pre-wired field connections.

**Global approvals**
The card adaptors are cURus approved and the certified cables are UL and CSA listed. In addition, the cables are RoHS and FT4 rated at 300V.
Migrate and test in hours, not weeks.

Using Weidmuller’s patented migration platform, here’s how easy it is to migrate your PLC, step-by-step:

**START**

Existing IPC Logic Manager

**STEP 1**

Remove existing Field Wiring adaptors

**STEP 2**

Remove existing controller cards

**STEP 3**

Remove all key codes from the backplane connectors.

**STEP 4**

Replace controller card with Weidmuller adaptor card

**STEP 5**

Connect cable with connector to adaptor card

**STEP 6**

Reattach existing Field Wiring adaptors

**DONE!**

Completed and migrated PLC System

**Benefits**

- Keep your existing field terminations landed. No ring out needed!
- Perform your PLC conversion in hours instead of weeks.
- All components are plug-and-play with keyed connectors to eliminate any chance of wiring errors.
# Universal Card Adaptors

- Feed through connections
- PLC 5 1771 conversion to pluggable connector(s)
- 10-, 12-, 18-, 21- or 40-point cards

## Technical data

<table>
<thead>
<tr>
<th>Process side</th>
<th>Card edge fingers on PWB for legacy style connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>OEM Connector</td>
</tr>
<tr>
<td>Control side</td>
<td>One 3.5 pitch 12-pin SL header</td>
</tr>
<tr>
<td>Type</td>
<td>Screw type connection</td>
</tr>
</tbody>
</table>

## Rated data

<table>
<thead>
<tr>
<th>Rated voltage</th>
<th>250V max., 150V max. (UR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. current per channel</td>
<td>5A</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0°C to +50°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>0°C to +50°C</td>
</tr>
</tbody>
</table>

## Approvals

| Standards     | cURus (E141197) |

## Physicals

| Designed to fit in existing I/O rack | Cabling not included |

## Ordering data

<table>
<thead>
<tr>
<th>Model</th>
<th>Qty</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-point PLC 5 1771-WA/WC carrier</td>
<td>1</td>
<td>6720001398</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Qty</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-point PLC 5 1771-WB/WD carrier</td>
<td>1</td>
<td>6720001397</td>
</tr>
</tbody>
</table>

## Note

- Designed to fit in existing I/O rack
- Cabling not included

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<table>
<thead>
<tr>
<th>Process side</th>
<th>Card edge fingers on PWB for legacy style connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>OEM Connector</td>
</tr>
<tr>
<td>Control side</td>
<td>One 3.5 pitch 22-pin S2L header</td>
</tr>
<tr>
<td>Type</td>
<td>Tension type connection</td>
</tr>
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</table>

## Rated data

<table>
<thead>
<tr>
<th>Rated voltage</th>
<th>150V max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. current per channel</td>
<td>5A per point</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0°C to +50°C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>0°C to +50°C</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Model</th>
<th>Qty</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-point PLC 5 1771-WI carrier</td>
<td>1</td>
<td>6720001399</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Qty</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-point PLC 5 1771-G/H/F/FB carrier</td>
<td>1</td>
<td>6720001396</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Qty</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>40-point PLC 5 1771-WN carrier</td>
<td>1</td>
<td>6720001400</td>
</tr>
</tbody>
</table>
Migration Cables

Select the cable configuration that best fits your application

Weidmuller has teamed with designers to provide a simple and easy solution to migrate your control system. This migration system features universal card adaptors and engineered cables.

On Weidmuller.com, we provide you with these components and the information needed to design your migration bill of materials:

- **Engineered Cables**
  These special cables are designed and built to make the migration of your PLC simple and easy. A handy cable designer utility, the Migration Cable Configurator, has been developed to make cable design, selection, and cost evaluation straightforward and fast.

To start designing your migration system, visit: [www.weidmuller.com/migration](http://www.weidmuller.com/migration)

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**Example: MCP52FFL101812010**

- **Marshalling Cable PLC5**
  - P51: 10 Terminal Points
  - P52: 12 Terminal Points
  - P53: 18 Terminal Points
  - P54: 21 Terminal Points
  - P55: 40 Terminal Points

- **Cable Entry, A End**
  - P51
  - P52
  - P53
  - P54
  - P55

- **Lead Type, B End**
  - FFL: Ferruled Flying Leads
  - BFL: Blunt-End Flying Leads
  - TFL: Tinned Flying Leads
  - RFL: Ring Lug Flying Leads

- **Length of Leads, B End**
  - 03: 0.3 meters
  - 10: 1.0 meters
  - 99: 9.9 meters

- **Length of Cable in Meters (±0.15M)**
- **Length of Leads in Meters (±5%)**

- **MC**
- **P52**
- **FFL**
- **10**
- **18**
- **12**
- **010**

- **Wire AWG**
  - 22: 22 AWG
  - 18: 18 AWG

- **No. of Wires**
  - 10: 10 Points
  - 12: 12 Points
  - 18: 18 Points
  - 21: 21 Points
  - 40: 40 Points

- **Length of Cable in Meters**
  - 1.5: 1.5 meters
  - 5.0: 5.0 meters
  - 10.0: 10.0 meters
  - 100: 100.0 meters

*Note: Lengths can be customized to your needs

Not migrating from a PLC 5 1771 platform? Contact your Weidmuller representative. We have the knowledge and technology to help migrate other legacy control systems.

**Weidmuller – your system migration solution expert!**
Weidmuller is the leading manufacturer of components for electrical connection technology to transmit energy, signals and data. The Weidmuller product portfolio ranges from terminal blocks, PCB connectors and terminals, protected components, Industrial Ethernet components, I/O components and relay sockets to power supplies and over-voltage protection modules suitable for all applications. Assemble Services, marking solutions with a variety of tools and software systems, round off the range. As an OEM supplier, the company sets global standards in the field of electrical connection technology.