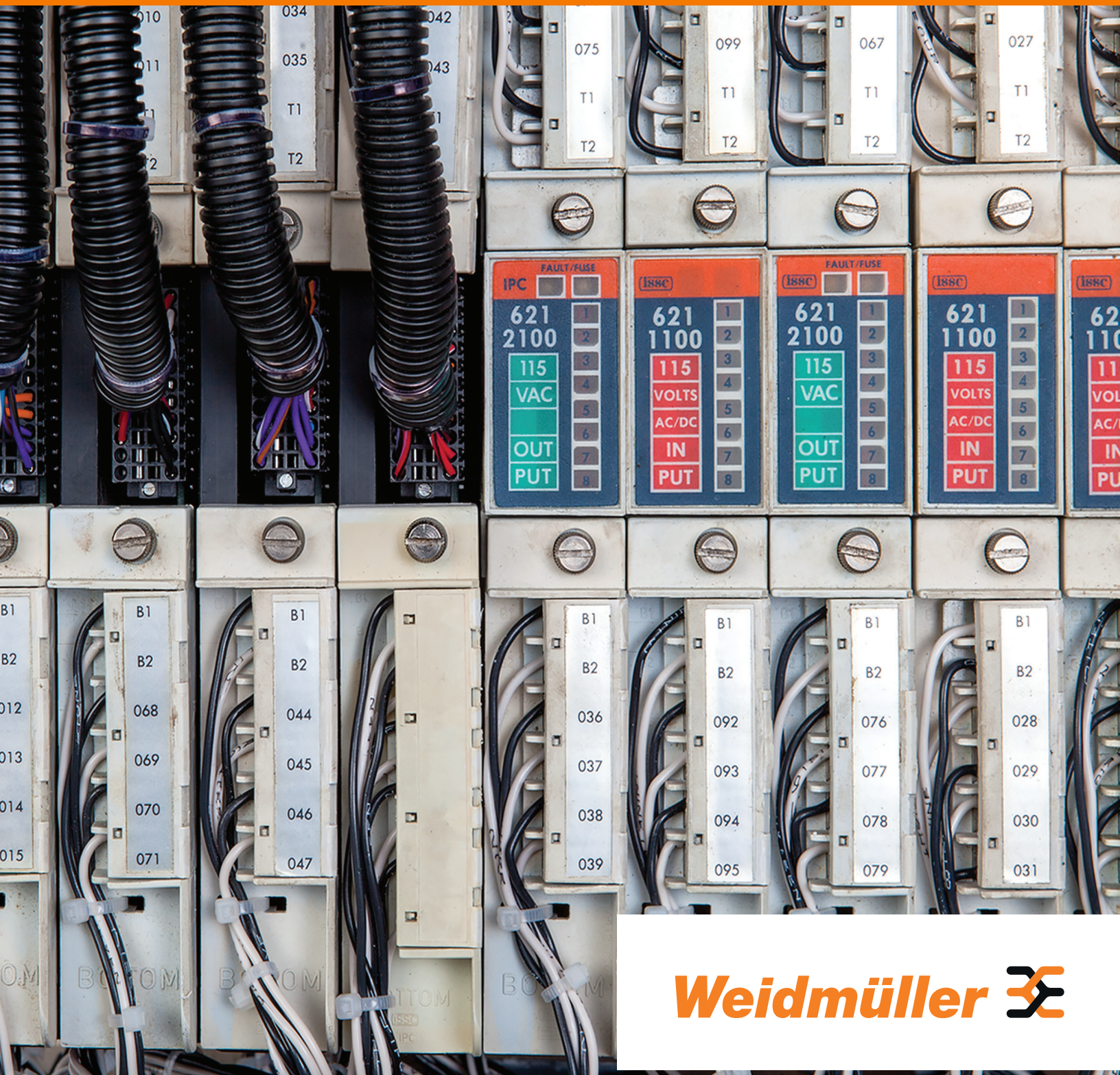
# Control System Migration

## A universal conversion platform for legacy DCS Systems

Honeywell IPC-620 Migration




Weidmüller

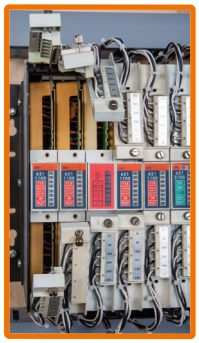
# Migrate and test in hours, not weeks.

## Using Weidmuller's patented migration platform, here's how easy it is to migrate your DCS, step-by-step:

### START

**Existing IPC Logic Manager**

### STEP 1



**Remove existing Field Wiring adaptors**

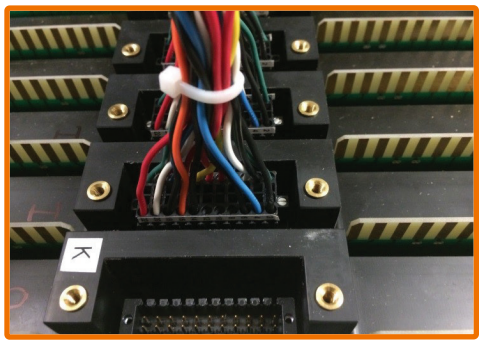
### STEP 2

**Remove existing controller cards**

### STEP 3

**Replace controller card with Weidmuller adaptor card**

### STEP 4



**Connect cable with connector to adaptor card**

### STEP 5

**Reattach existing Field Wiring adaptors**

### DONE!

**Completed and migrated DCS System**

## Benefits

- Keep your existing field terminations landed. No ring out needed!
- Perform your DCS 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

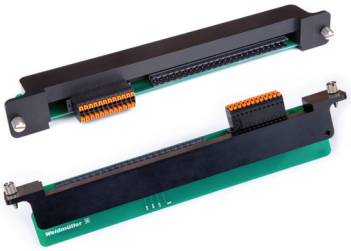
- Feed through connections
- IPC-620 conversion to pluggable connector(s)
- 12-, 22-, 24-, 34- or 38-point cards

## Technical data

| | | |
|---|---|---|
| **Connection data** | | |
| Process side | Card edge fingers on PWB for legacy style connectors | Card edge fingers on PWB for legacy style connectors |
| Type | Tension Clamp, OEM | Tension Clamp, OEM |
| Control side | One 3.5 pitch 12-point S2L connector | One 3.5 pitch 22-point S2L connector |
| Type | Tension type connection | Tension type connection |
| **Rated data** | | |
| Rated voltage | 150V max. | 150V max. |
| Max. current per channel | 5A | 5A |
| Operating temperature | 0°C to +50°C | 0°C to +50°C |
| Storage temperature | 0°C to +50°C | 0°C to +50°C |
| **Approvals** | | |
| Standards | cURus (E141197) | cURus (E141197) |
| **Physicals** | | |
| | Designed to fit in existing I/O rack | Designed to fit in existing I/O rack |
| **Note** | Cabling not included | Cabling not included |

## Ordering data

| | Model | Qty | Part No. | Model | Qty | Part No. |
|---|---|---|---|---|---|---|
| | 12-point IPC-620 carrier | 1 | **6720000787** | 22-point IPC-620 carrier | 1 | **6720000788** |
| **Note** | Reference Honeywell Terminal Block 621-9949 | | | Reference Honeywell Terminal Block 621-9950 | | |



## Technical data

| | | | |
|---|---|---|---|
| **Connection data** | | | |
| Process side | Two SL 5.00 pitch headers to mate to legacy connectors (2 x 19 points – 38 points total) | One 24-point SL 5.00 pitch header to mate to legacy connectors | Two SL 5.00 pitch headers to mate to legacy connectors (2 x 17 points – 34 points total) |
| Type | Screw type connection, OEM | Screw type connection, OEM | Screw type connection, OEM |
| Control side | Two 5.08 pitch 20-point SL headers | One 3.5 pitch 24-point S2L header | Two 5.08 pitch 20-pin SL headers |
| Type | Screw type connection | Tension type connection | Screw type connection |
| **Rated data** | | | |
| Rated voltage | 125V max. | 50V max. | 125V max. |
| Max. current per channel | 3A per point max.<br>10A per whole assembly | 3A per point max.<br>10A per whole assembly | 5A per point max.<br>12A per whole assembly |
| Operating temperature | 0°C to +50°C | 0°C to +50°C | 0°C to +50°C |
| Storage temperature | 0°C to +50°C | 0°C to +50°C | 0°C to +50°C |
| **Approvals** | | | |
| Standards | cURus (E141197) | cURus (E141197) | cURus (E141197) |
| **Physicals** | | | |
| | Designed to fit in existing I/O rack | Designed to fit in existing I/O rack | Designed to fit in existing I/O rack |
| **Note** | Cabling not included | Cabling not included | Cabling not included |

## Ordering data

| | Model | Qty | Part No. | Model | Qty | Part No. | Model | Qty | Part No. |
|---|---|---|---|---|---|---|---|---|---|
| | 38-point IPC-620 carrier | 1 | **6720001225** | 24-point IPC-620 carrier | 1 | **6720001226** | 34-point IPC-620 carrier | 1 | **6720001328** |
| **Note** | Reference Honeywell Terminal Block 621-9977 or -9976 | | | Reference Honeywell Terminal Block 621-9954 | | | | | |

# Migration Cables

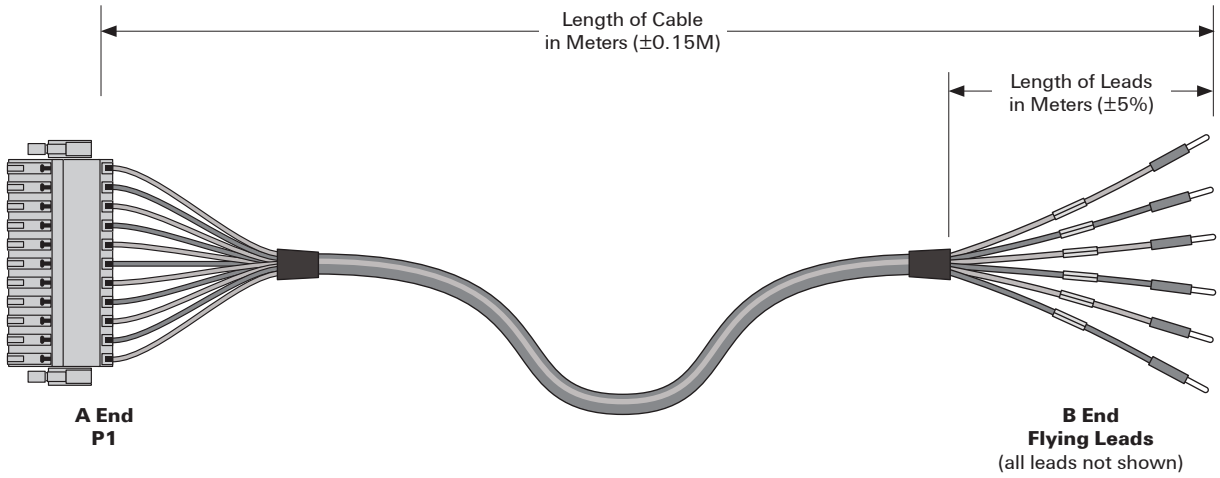
## Select the cable configuration that best fits your application

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 DCS 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**




### Example: MCB2LFFL101822010

**MC B2L FFL 10 18 22 010**

**Marshalling Cable IPC 620**

**Cable Entry, A End**

| | |
|---|---|
| B1L | 12 Terminal Points |
| B2L | 22 Terminal Points |
| B3L | 24 Terminal Points |
| B4L | 38 Terminal Points |
| B5L | 34 Terminal Points |

**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 |

**Wire AWG**

| | |
|---|---|
| 22 | 22 AWG |
| 18 | 18 AWG |

**No. of Wires**

| | |
|---|---|
| 12 | 12 Points |
| 22 | 22 Points |
| 24 | 24 Points |
| 38 | 38 Points |
| 34 | 34 Points |

**Length of Cable in Meters***

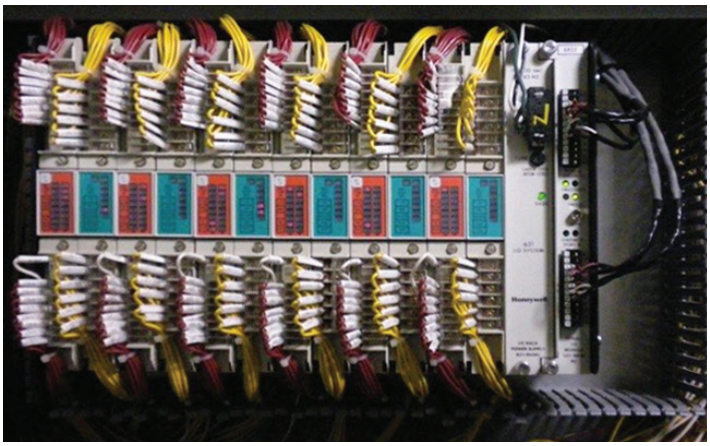
| | |
|---|---|
| 1.5 | 1.5 meters |
| ⋮ | ⋮ |
| 005 | 5.0 meters |
| ⋮ | ⋮ |
| 010 | 10.0 meters |
| ⋮ | ⋮ |
| 100 | 100.0 meters |

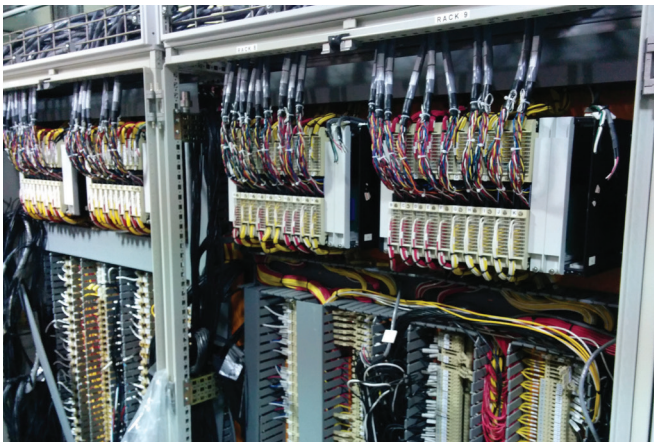
*Note: Lengths can be customized to your needs

Not migrating from an IPC-620 platform? Contact your Weidmuller representative.
We have the knowledge and technology to help migrate other legacy control systems.

## Weidmuller – your system migration solution expert!

# Streamline Your DCS Migration





Weidmuller's patented new universal conversion/migration platform will substantially reduce the time and expense of updating your legacy Honeywell DCS systems to any new DCS.

## Uniquely designed solution

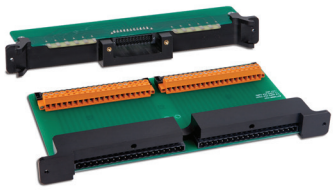
The key to Weidmuller's migration platform is in the design. It permits your existing field wiring to remain in place and undisturbed on the front panel adaptor and eliminates the need to wire-trace or ring-out.

## Compatibility means flexibility

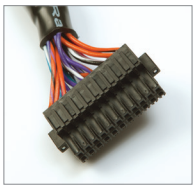
The assembly is a universal conversion/migration system for all legacy Honeywell IPC-620 DCS systems, enabling you to seamlessly migrate to any new control system.

## Minimal components maximize migration efficiency

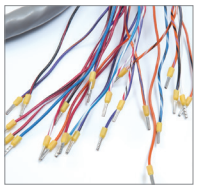
Weidmuller's migration solution includes just five versions of a card adaptor, 12-, 22-, 24-, 34- and 38-points, and two cable types to accommodate flying leads or pre-wired field connections.



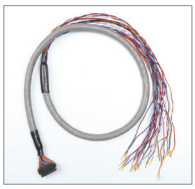
**Card Adaptors**



**22-Pin Connector**



**Flying Ferrule Leads**



**UL and CSA Approved Cables**

## 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.

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.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