

PLC / DCS Migration

From Old to New with Minimized Downtimes

Rockwell PLC 5 Migration Adapters

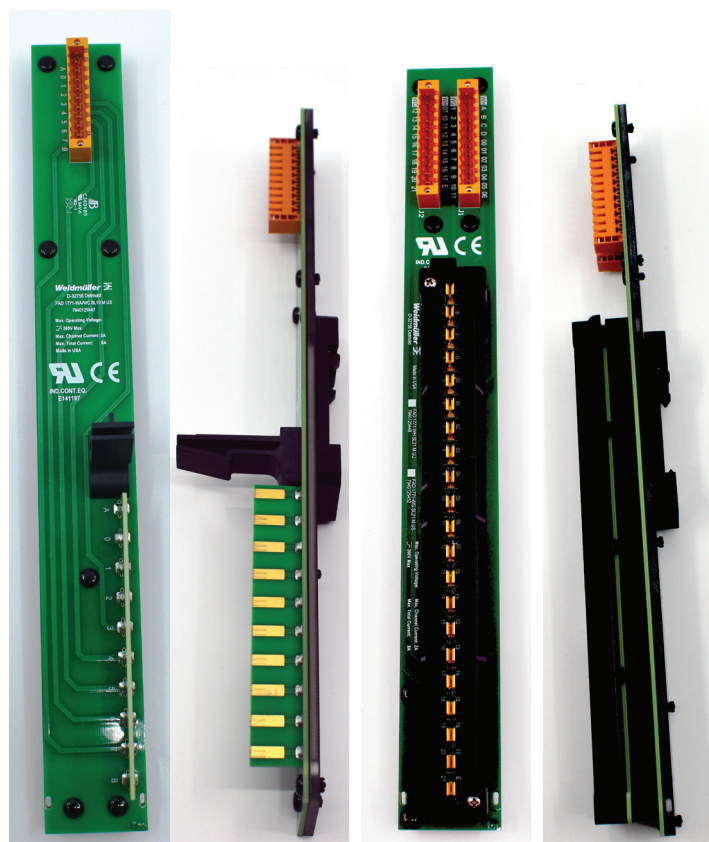


MiBridge Migration Solutions

Streamline Your Migration with MiBridge

Weidmüller's universal conversion/migration platform will substantially reduce the time and expense of updating your legacy systems to any new PLC or DCS system.

With increasing plant complexity, the obsolescence of certain PLCs and the relentless growth in demand for I/O signals, many installations or plants are having to replace existing controllers with new ones, without modifying existing field cabling. With the aid of adapters, pre-assembled cables and interfaces from Weidmüller the problem of replacing one PLC system with another can be solved easily and safely: users can maintain the existing field cabling, test the new system and keep installation downtimes to a minimum.



Global approvals



The card adapters are cURus approved and the certified cables are UL and CSA listed. In addition, the cables are RoHS and FT4 rated at 300V.

Uniquely designed solution

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

Compatibility means flexibility

The assembly is a universal conversion/migration system for Allen-Bradley PLC 5 1771 enabling you to seamlessly migrate to any new control system.

Minimal components maximize migration efficiency

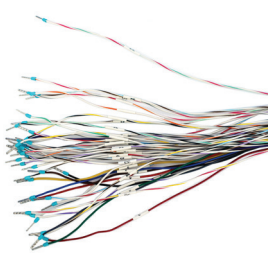
Our migration solution includes an adapter and a standard cable harness. Custom cable options are available on request at www.weidmuller.com/migration.



Card Adapter



Connectors



Flying Ferruled Leads



UL & CSA Approved Cables

Migrate and Test in Hours, Not Weeks.

Update your PLC/DCS system quickly, easily, and without errors

Step 1



Disengage swing arms from 1771 modules

Step 2



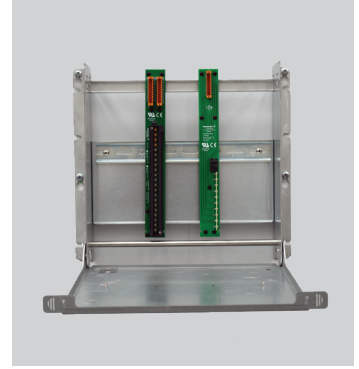
Remove the 1771 chassis from the cabinet

Step 3



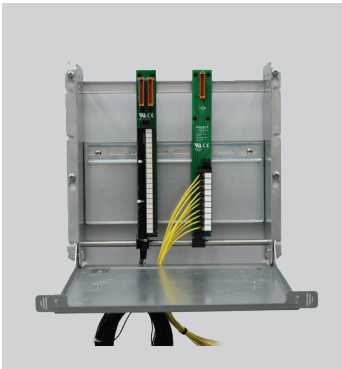
Replace with new adapter chassis

Step 4



Install adapter card on chassis

Step 5



Re-terminate the swing arm

Step 6



Connect the migration cable to the adapter.

Step 7



Mount the new PLC and connect adapter cable to new I/O card

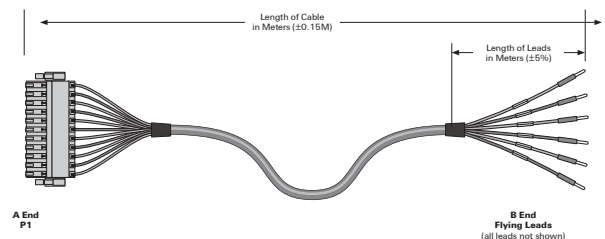
Finished



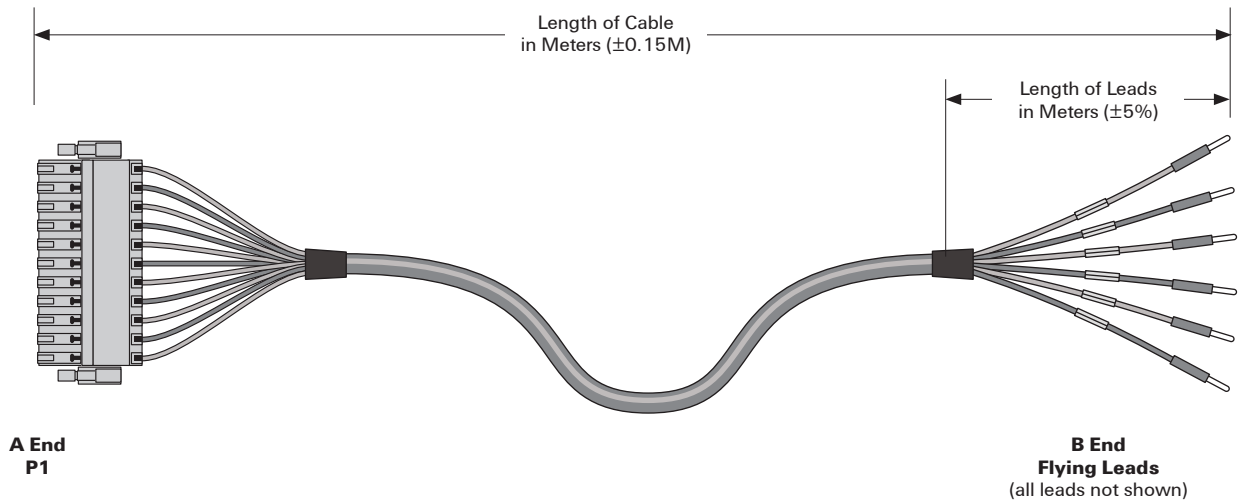
Completed PLC 5 migration

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.



PLC 5 Migration Cables



Example: MCP52FFL101812010

MC		P52		FFL		10		18		12		010	
Marshalling Cable PLC5		Cable Entry, A End		Lead Type, B End		Length of Leads, B End*		Wire AWG		No. of Wires			
P51		10 Terminal Points		FFL	Ferruled Flying Leads	03	0.3 meters	22	22 AWG	10	10 Points		
P52		12 Terminal Points		BFL	Blunt-End Flying Leads	•	•	18	18 AWG	12	12 Points		
P53		18 Terminal Points		TFL	Tinned Flying Leads	10	1.0 meters			18	18 Points		
P54		21 Terminal Points		RFL	Ring Lug Flying Leads	•	•			21	21 Points		
P55		40 Terminal Points				99	9.9 meters			40	40 Points		

*Note: Lengths can be customized to your needs

Visit www.weidmuller.com/migration to design your own custom migration cables

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!

FAD 1771-WA/WC SL10 M**FAD 1771-WH SL21 M****Dimensions and weights**

Depth	53 mm / 2.087 in.	33 mm / 1.299 inch
Height	269 mm / 10.591 in.	269 mm / 10.591 inch
Width	32 mm / 1.26 in.	32 mm / 1.26 inch
Length	269 mm / 10.591 in.	269 mm / 10.591 in.
Net weight	160 g	205 g

Temperatures

Storage temperature	0...50°C	0...50°C
Operating temperatures	0...50°C	0...50°C

Connection Data

Connection to PLC	SL 3.5/F 18p connector	2 x SL 3.5/F 11p connector
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Ratings Data

Max. current per channel	2 A	2 A
Total operating current	8A	8A

Insulation coordination (EN50178)

According to	DIN EN 50178	DIN EN 50178
Surge voltage category	II	II
Insulation test voltage	1.2 kVAC	1.2 kVAC
Rated insulation voltage	< 300 V AC	< 250 V AC
Pollution severity level	2	2

Classifications

ETIM 6.0	EC002584	EC002584
ETIM 7.0	EC002584	EC002584
ETIM 8.0	EC002584	EC002584
ETIM 9.0	27-33-02-92	27-33-02-92
ECLASS 9.1	27-24-22-92	27-24-22-92
ECLASS 10.0	27-33-02-92	27-33-02-92
ECLASS 11.0	27-33-02-92	27-33-02-92
ECLASS 12.0	27-33-02-92	27-33-02-92

Approvals

Approvals

**General Ordering Data**

Order No.	7940125447	7940125448
Type	FAD 1771-WA/WC SL10 M	FAD 1771-WH SL21 M
GTIN (EAN)	8430243333931	4050118462463
Qty.	1 pc(s).	1 pc(s).

FAD 1771-WN 2SL20 M**FAD 1771-WB/WD SL21 M****Dimensions and weights**

Depth	33 mm / 1.299 inch	33 mm / 1.299 inch
Height	269 mm / 10.591 inch	269 mm / 10.591 inch
Width	32 mm / 1.26 inch	32 mm / 1.26 inch
Length	269 mm / 10.591 in.	269 mm / 10.591 in.
Net weight	170 g	162 g

Temperatures

Storage temperature	0...50°C	0...50°C
Operating temperatures	0...50°C	0...50°C

Connection Data

Connection to PLC	2 x SL 3.5/F 20p connector	SL 3.5/F 12p connector
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Ratings Data

Max. current per channel	2 A	2 A
Total operating current	8A	8A

Insulation coordination (EN50178)

According to	DIN EN 50178	DIN EN 50178
Surge voltage category	II	II
Insulation test voltage	1.2 kVAC	1.2 kVAC
Rated insulation voltage	< 250 V AC	< 300 V AC
Pollution severity level	2	2

Classifications

ETIM 6.0	EC002584	EC002584
ETIM 7.0	EC002584	EC002584
ETIM 8.0	EC002584	EC002584
ETIM 9.0	27-33-02-92	27-33-02-92
ECLASS 9.1	27-24-22-92	27-24-22-92
ECLASS 10.0	27-33-02-92	27-33-02-92
ECLASS 11.0	27-33-02-92	27-33-02-92
ECLASS 12.0	27-33-02-92	27-33-02-92

Approvals

Approvals

**General Ordering Data**

Order No.	7940125449	7940125450
Type	FAD 1771-WN 2SL20 M	FAD 1771-WB/WD SL 12 M
GTIN (EAN)	4050118462494	4050118462470
Qty.	1 pc(s).	1 pc(s).

FAD 1771-WF SL18 M**FAD 1771-WG SL21 M0****Dimensions and weights**

Depth	53 mm / 2.087 in.	33 mm / 1.299 inch
Height	269 mm / 10.591 in.	269 mm / 10.591 inch
Width	32 mm / 1.26 in.	32 mm / 1.26 inch
Length	269 mm / 10.591 in.	269 mm / 10.591 in.
Net weight	159 g	200 g

Temperatures

Storage temperature	0...50°C	0...50°C
Operating temperatures	0...50°C	0...50°C

Connection Data

Connection to PLC	SL 3.5/F 18p connector	2 x SL 3.5/F 11p connector
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Ratings Data

Max. current per channel	2 A	2 A
Total operating current	8A	8A

Insulation coordination (EN50178)

According to	DIN EN 50178	DIN EN 50178
Surge voltage category	II	II
Insulation test voltage	1.2 kVAC	1.2 kVAC
Rated insulation voltage	< 250 V AC	< 250 V AC
Pollution severity level	2	2

Classifications

ETIM 6.0	EC002584	EC002584
ETIM 7.0	EC002584	EC002584
ETIM 8.0	EC002584	EC002584
ETIM 9.0	27-33-02-92	27-33-02-92
ECLASS 9.1	27-24-22-92	27-24-22-92
ECLASS 10.0	27-33-02-92	27-33-02-92
ECLASS 11.0	27-33-02-92	27-33-02-92
ECLASS 12.0	27-33-02-92	27-33-02-92

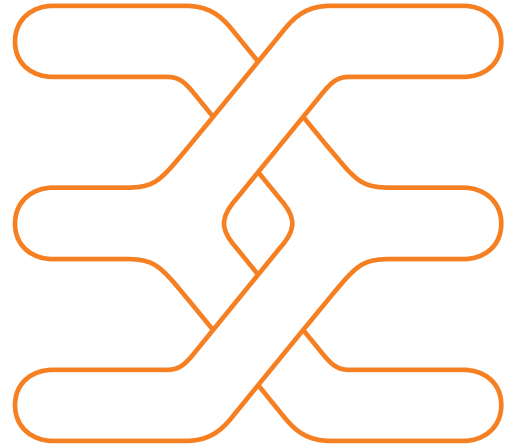
Approvals

Approvals

**General Ordering Data**

Order No.	7940125451	7940125452
Type	FAD 1771-WF SL18 M	FAD 1771-WG SL21 M
GTIN (EAN)	4050118462487	4050118572575
Qty.	1 pc(s).	1 pc(s).

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. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.



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