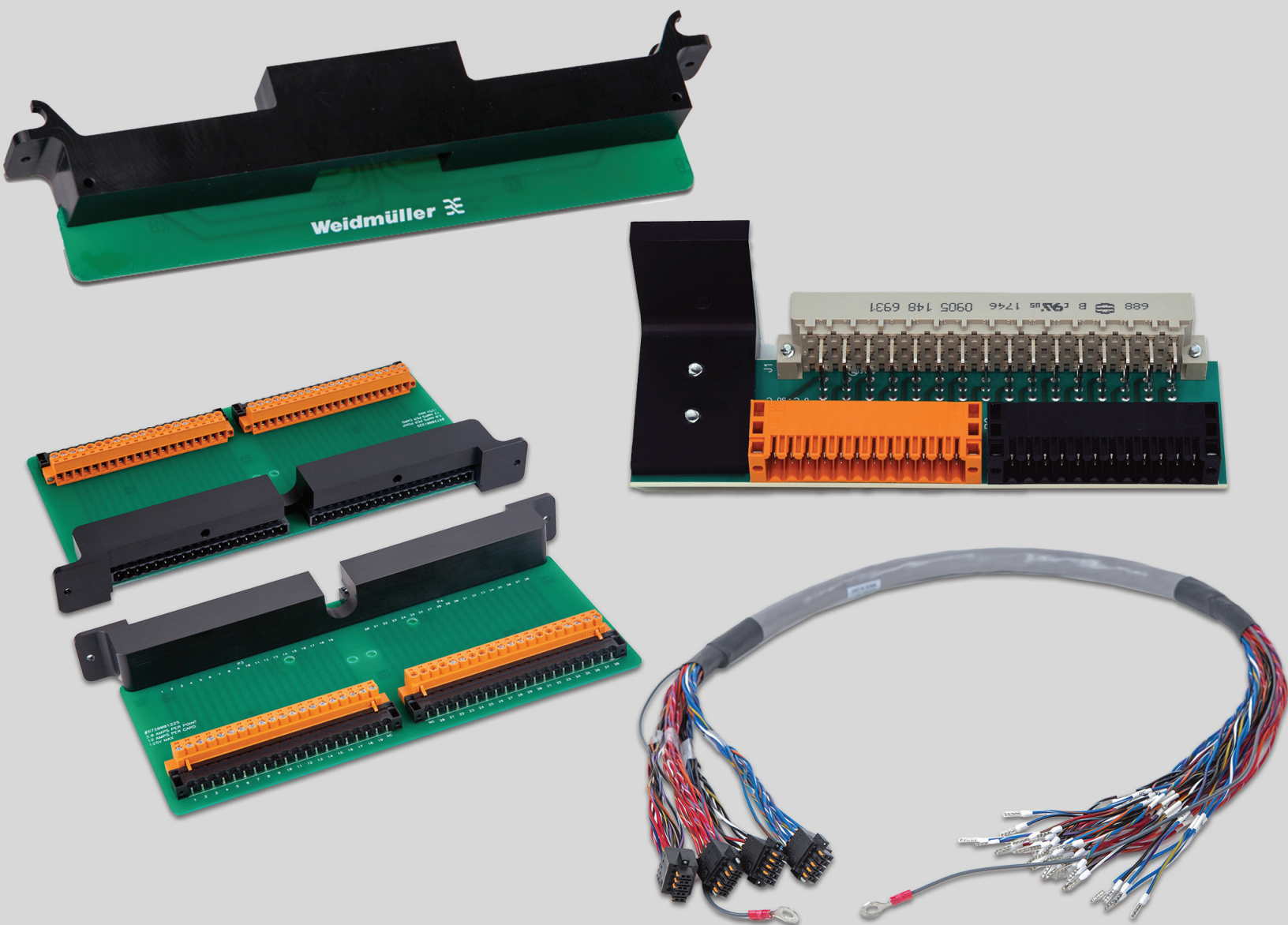


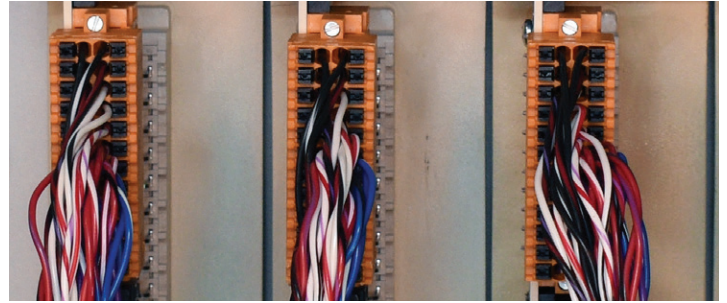
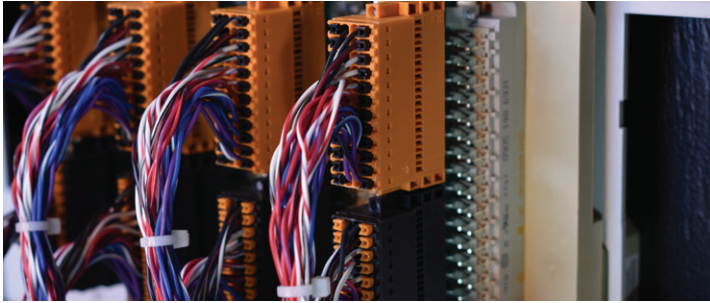
North America

Migration Solutions Catalog



Streamline Your DCS Migration

Weidmüller's universal conversion/migration platform will substantially reduce the time and expense of updating your legacy **Siemens Moore APACS** system to any new DCS.



Global approvals



The card adapter is cURus as well as Class 1 Division 2 approved and the certified cables are UL and CSA listed. In addition, the cables are RoHS and FT4 rated at 300V.

Uniquely designed solution

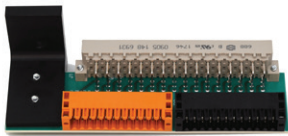
The key to Weidmüller's migration platform is in the design. It permits your existing field wiring to remain in place and undisturbed on the front panel adapter and eliminates the need to wire-trace or ring-out.

Compatibility means flexibility

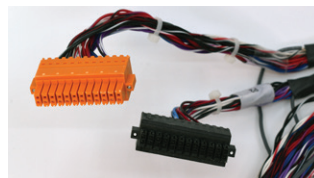
The assembly is a universal conversion/migration system for all legacy Siemens Moore APACS systems, enabling you to seamlessly migrate to any new control system.

Minimal components maximize migration efficiency

Weidmüller's migration solution includes a 48-point card adapter and a standard cable harness. Custom cable options are available on request at www.weidmuller.com/migration.



Card Adapter



Two 24-Pin Connectors



Flying Ferrule Leads



UL & CSA
Approved Cables

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 color coded connectors to eliminate any chance of wiring errors.

Migrate and test in hours, not weeks.

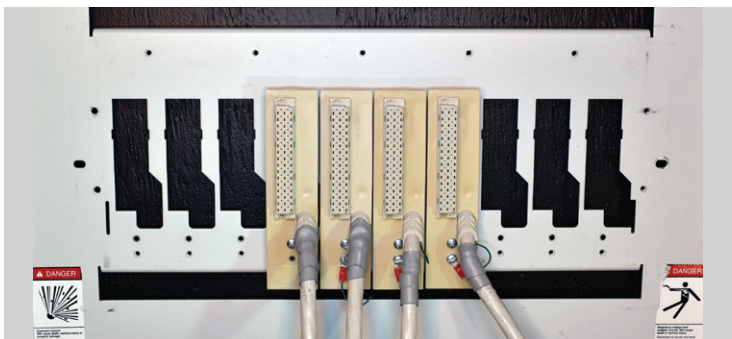
Here's how easy it is to migrate from your current DCS by using Weidmüller's patented migration platform:

Start



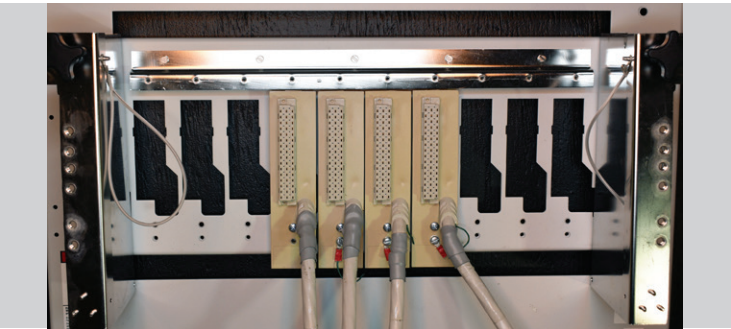
Existing Siemens Moore APACS system

Step 1



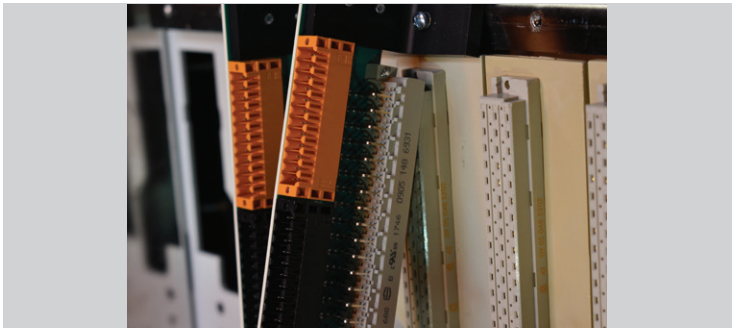
Remove all parts from Modulrac (I/O module, metal frame and MBUS Board) leaving only I/O connectors

Step 2



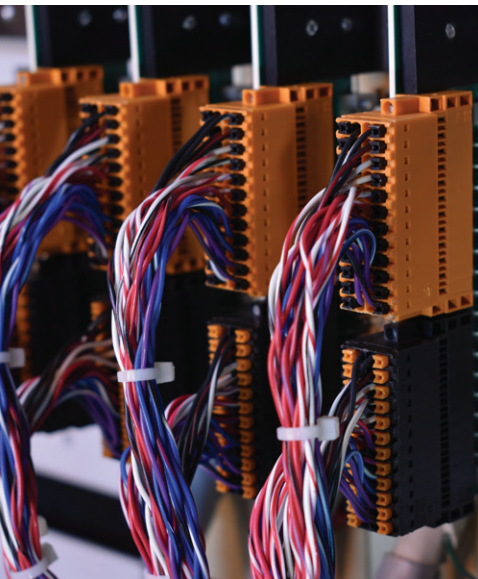
Install Adapter rack

Step 3



Install the Weidmüller Adapters

Step 4



Connect cable with connector to Weidmüller Adapters

Step 5



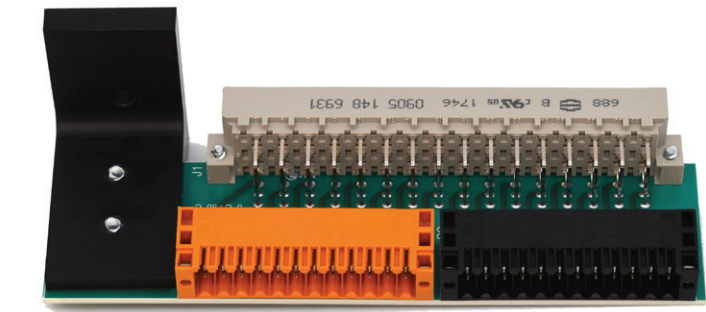
Connect other side of cable to new system

Finished



Completed and migrated DCS system

Siemens Moore APACS Universal Card Adapter



Features

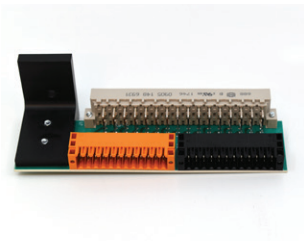
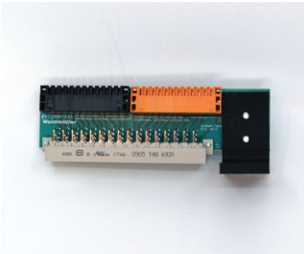
- 48-point cards
- Feed-through connections
- Siemens Moore APACS conversion to pluggable connector

Ordering data

Model	Qty	Order Number
48-point Siemens Moore APACS	1	7940121185

Technical data

Connection data		
Original Field Wire Adapter	DIN 41612 Type E Connector 48 Pin	
Weidmüller Migration Adapter	3.5 pitch S2L headers Two B2CF plugs with PUSH IN connection (Order Number: 1277970000 Black) (Order Number: 1277780000 Orange)	
Rated data		
Rated voltage	125VAC/125VDC max.	
Max. current per channel	Ordinary Locations	Hazardous Locations
	3A per point max. at 12 channels 36 Amps per whole assembly	3A per point max. at 8 channels 24 Amps per whole assembly
Operating temperature	0°C to 50°C	
Storage temperature	-30°C to 70°C	
Approvals		
Standards	cURus (E141197), Class 1 Division 2, Groups A, B, C, D T4A (E324123)	
Physicals		
	Designed to fit in existing I/O chassis	
Note:	Cabling not included	

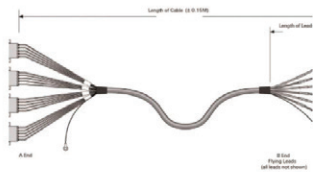


Accessories

Type	Qty	Order Number
Siemens Moore APACS Adapter Rack	1	7508002174

Migration Cables

Select the cable configuration that best fits your application



Migration Cable Configurator

Customize your migration cable options

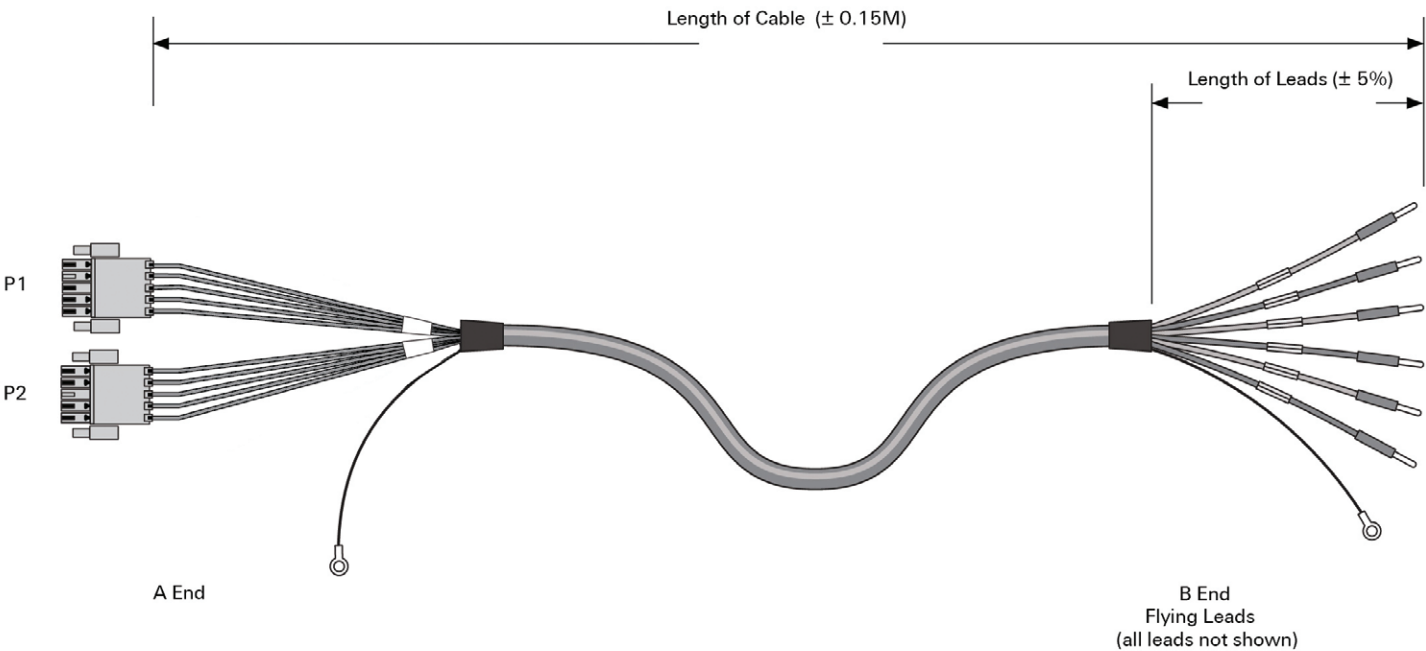
MIGRATION CABLE CONFIGURATOR [↗](#)

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

Weidmüller can provide you with the components and information needed to design your migration bill of materials. To start designing your migration system, visit: www.weidmuller.com/migration

Engineered Cables

Specially engineered cables are designed and built to make the migration of your DCS simple and easy. The Migration Cable Configurator, a handy cable designer utility, is available to make cable design, selection, and cost evaluation straightforward and fast.



Example: SA1 - FFL10 - 22 - 010

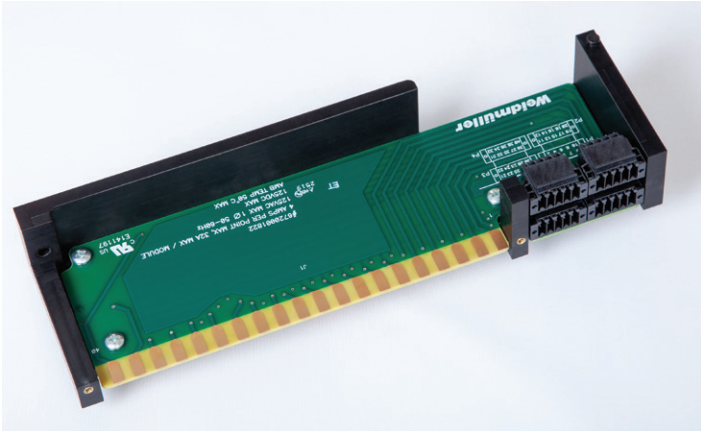
SA1 - FFL 10 - 22 - 010

Marshalling Cable Siemens Moore APACS 48 Terminal Points	Flying Leads Type, B End		Flying Leads Length, B End*		Wire AWG		Length of Cable in Meters*	
	FFL	Ferruled Flying Leads	03	0.3 meters	22	22 AWG	1.5	1.5 meters
	BFL	Blunt-End Flying Leads	10	1.0 meters			005	5.0 meters
	TFL	Tinned Flying Leads	99	9.9 meters			010	10.0 meters
	RFL	Ring Lug Flying Leads					100	100.0 meters

* Notes:

- Lengths are customizable to your needs
- Custom cables are available on request

Schneider Electric Modicon Quantum Universal Card Adapter



Features

- Feed-through connections
- Modicon Quantum conversion to pluggable connector
- 40-point cards

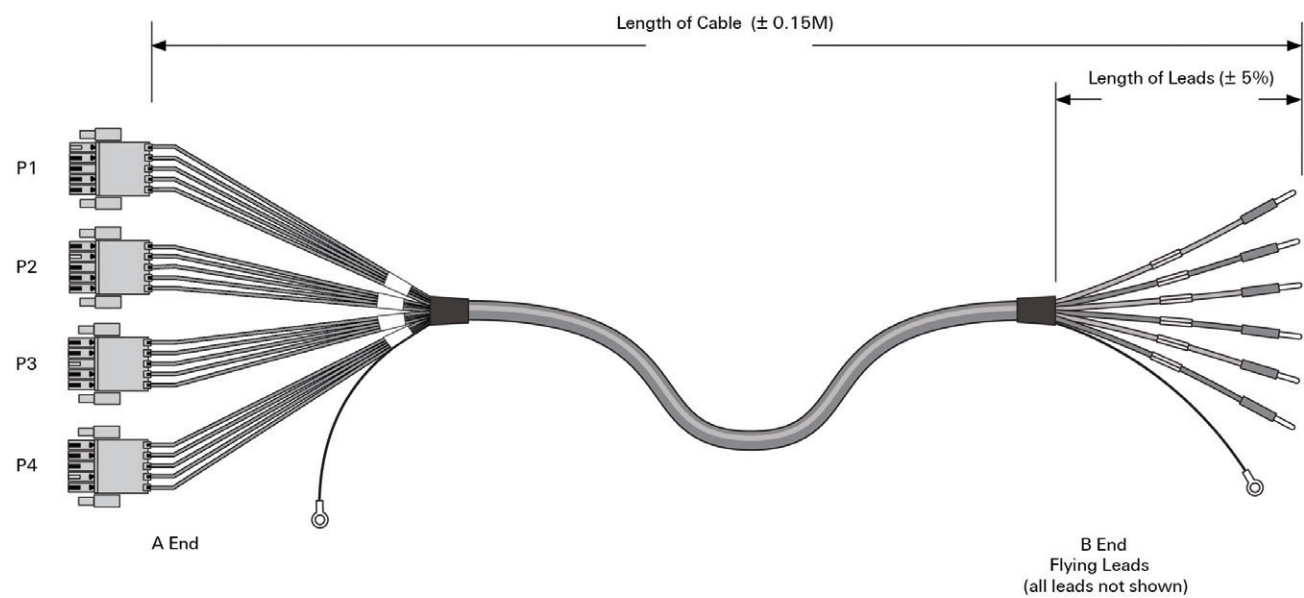
Ordering data

Type	Qty	Order Number
40-point Modicon Quantum	1	6720001822

Technical data

Connection data	
Original Field Wire Adapter	Card edge fingers on PCB for legacy style connectors
Weidmüller Migration Adapter	3.5 pitch S2CD - THR headers Four B2CF plugs with PUSH IN connection (Order Number 1277890000)
Rated data	
Rated voltage	125VAC/125VDC max.
Max. current per channel	4A per point max. 32 Amps per whole assembly
Operating temperature	-20°C to 50°C 0°C to 50°C (UL)
Storage temperature	-30°C to 70°C
Approvals	
Standards	cURus (E141197)
Physicals	
	Designed to fit in existing I/O chassis
Note:	Cabling not included

Modicon Quantum Migration Cables



Example: MQ1 - FFL10 - 18 - 010

MQ1 - FFL 10 - 18 - 010

Marshalling Cable Modicon Quantum 40 Terminal Points

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

Flying Leads Length, B End*	
03	0.3 meters
•	•
10	1.0 meters
•	•
99	9.9 meters

Wire AWG	
22	22 AWG
18	18 AWG

Length of Cable in Meters*	
1.5	1.5 meters
•	•
005	5.0 meters
•	•
010	10.0 meters
•	•
100	100.0 meters

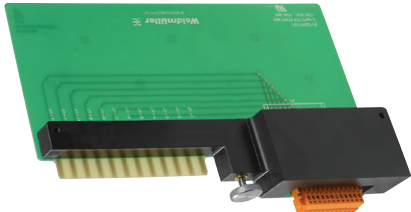
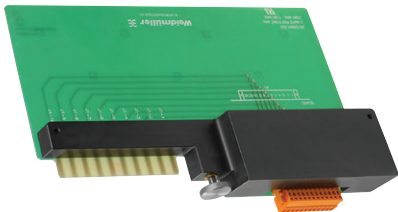
* Notes:

- Lengths are customizable to your needs
- Custom cables are available on request

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

Allen-Bradley PLC 5 1771 Universal Card Adaptors

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

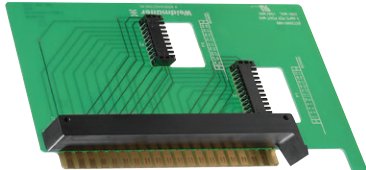
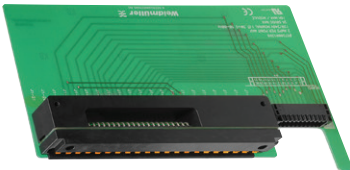


Technical data

Connection data		
Process side	Card edge fingers on PWB for legacy style connectors	Card edge fingers on PWB for legacy style connectors
Type	OEM Connector	OEM Connector
Control side	One 3.5 pitch 12-pin SL header	One 3.5 pitch 12-pin SL header
Type	Screw type connection	Screw type connection
Rated data		
Rated voltage	250V max., 150V max. (UR)	250V max., 150V max. (UR)
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		
Cabling not included		
Note		

Ordering data

Type	Qty	Order Number	Type	Qty	Order Number
10-point PLC 5 1771-WA/WC carrier	1	6720001398	12-point PLC 5 1771-WB/WD carrier	1	6720001397
Note					



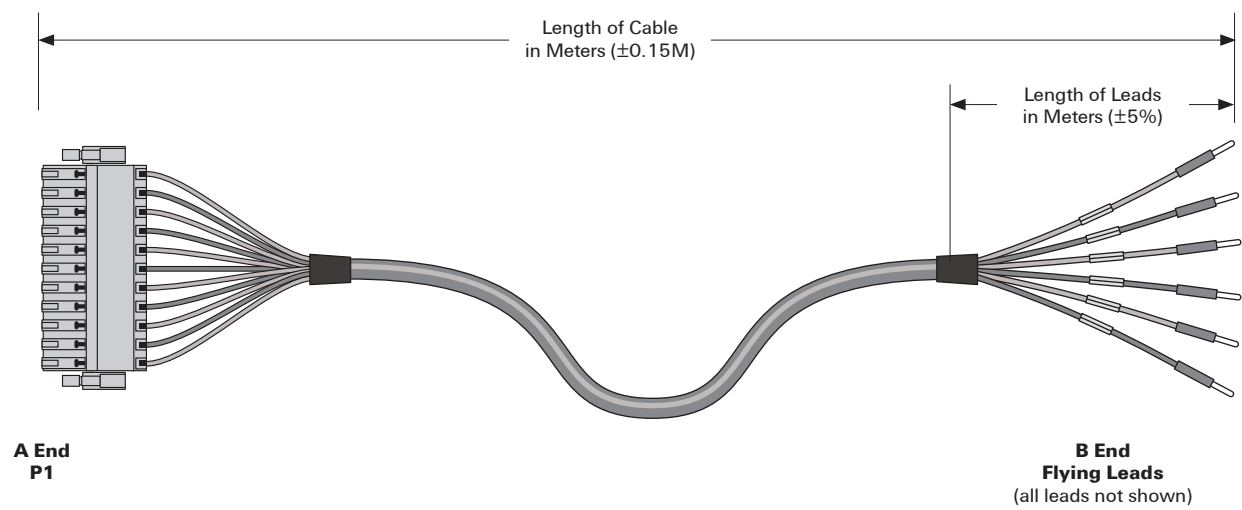
Technical data

Connection data			Connection data		
Process side	Card edge fingers on PWB for legacy style connectors	Card edge fingers on PWB for legacy style connectors	Process side	Card edge fingers on PWB for legacy style connectors	Card edge fingers on PWB for legacy style connectors
Type	OEM Connector	OEM Connector	Type	OEM Connector	OEM Connector
Control side	One 3.5 pitch 22-pin S2L header	One 3.5 pitch 22-pin S2L header	Control side	One 3.5 pitch 22-pin S2L header	One 3.5 pitch 18-pin + 22-pin S2L header
Type	Tension type connection	Tension type connection	Type	Tension type connection	Tension type connection
Rated data			Rated data		
Rated voltage	150V max.	120/240V max. 1Ø3W+G, 50-60Hz	Rated voltage	250V max., 150V max. (UR)	250V max., 150V max. (UR)
Max. current per channel	5A per point max.	3A per point max.	Max. current per channel	5A per point max.	5A per point max.
	10A per whole assembly	16A per whole assembly		10A per assembly	10A per assembly
Operating temperature	0°C to +50°C	0°C to +50°C	Operating temperature	0°C to +50°C	0°C to +50°C
Storage temperature	0°C to +50°C	0°C to +50°C	Storage temperature	0°C to +50°C	0°C to +50°C
Approvals			Approvals		
Standards	cURus (E141197)	cURus (E141197), CE	Standards	cURus (E141197)	cURus (E141197)
Physicals			Physicals		
Designed to fit in existing I/O rack			Designed to fit in existing I/O rack		
Cabling not included			Cabling not included		
Note			Note		

Ordering data

Type	Qty	Order Number	Type	Qty	Order Number	Type	Qty	Order Number
18-point PLC 5 1771-WI carrier	1	6720001399	21-point PLC 5 1771-WG carrier	1	7940125466	40-point PLC 5 1771-WN carrier	1	6720001400
			21-point PLC 5 1771-WH/WHF/WHFB carrier	1	7940125460			
Note								

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		Length of Cable in Meters*	
P51		10 Terminal Points		FFL Ferruled Flying Leads		030.3 meters		2222 AWG		1010 Points		1.51.5 meters	
P52		12 Terminal Points		BFL Blunt-End Flying Leads		0050.5 meters		1818 AWG		1212 Points		0055.0 meters	
P53		18 Terminal Points		TFL Tinned Flying Leads		101.0 meters				1818 Points		01010.0 meters	
P54		21 Terminal Points		RFL Ring Lug Flying Leads		999.9 meters				2121 Points		100100.0 meters	
P55		40 Terminal Points								4040 Points			

*Note: Lengths can be customized to your needs

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

Honeywell IPC 620 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
Type
Control side
Type
Rated data
Rated voltage
Max. current per channel
Operating temperature
Storage temperature
Approvals
Standards
Physicals
Note

Card edge fingers on PWB for legacy style connectors
Tension Clamp, OEM
One 3.5 pitch 12-point S2L connector
Tension type connection
150V max.
5A
0°C to +50°C
0°C to +50°C
cURus (E141197)
Designed to fit in existing I/O rack
Cabling not included

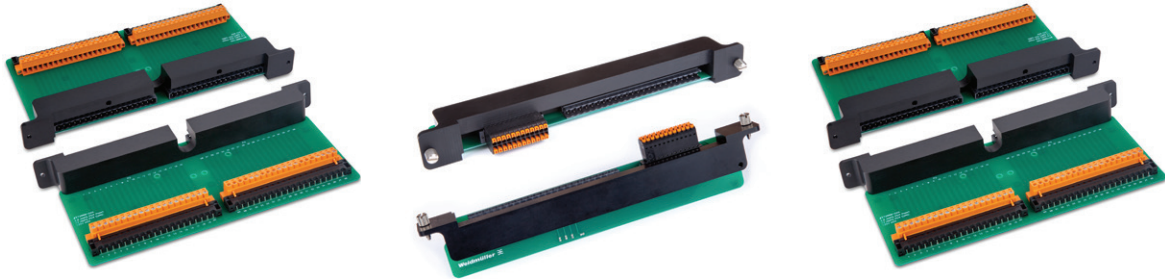
Card edge fingers on PWB for legacy style connectors
Tension Clamp, OEM
One 3.5 pitch 22-point S2L connector
Tension type connection
150V max.
5A
0°C to +50°C
0°C to +50°C
cURus (E141197)
Designed to fit in existing I/O rack
Cabling not included

Ordering data

Note

Type	Qty	Order Number
12-point IPC-620 carrier	1	6720000787
Reference Honeywell Terminal Block 621-9949		

Type	Qty	Order Number
22-point IPC-620 carrier	1	6720000788
Reference Honeywell Terminal Block 621-9950		



Technical data

Connection data
Process side
Type
Control side
Type
Rated data
Rated voltage
Max. current per channel
Operating temperature
Storage temperature
Approvals
Standards
Physicals
Note

Two SL 5.00 pitch headers to mate to legacy connectors (2 x 19 points – 38 points total)
Screw type connection, OEM
Two 5.08 pitch 20-point SL headers
Screw type connection
125V max.
3A per point max.
10A per whole assembly
0°C to +50°C
0°C to +50°C
cURus (E141197)
Designed to fit in existing I/O rack
Cabling not included

One 24-point SL 5.00 pitch header to mate to legacy connectors
Screw type connection, OEM
One 3.5 pitch 24-point S2L header
Tension type connection
50V max.
3A per point max.
10A per whole assembly
0°C to +50°C
0°C to +50°C
cURus (E141197)
Designed to fit in existing I/O rack
Cabling not included

Two SL 5.00 pitch headers to mate to legacy connectors (2 x 17 points – 34 points total)
Screw type connection, OEM
Two 5.08 pitch 20-pin SL headers
Screw type connection
125V max.
5A per point max.
12A per whole assembly
0°C to +50°C
0°C to +50°C
cURus (E141197)
Designed to fit in existing I/O rack
Cabling not included

Ordering data

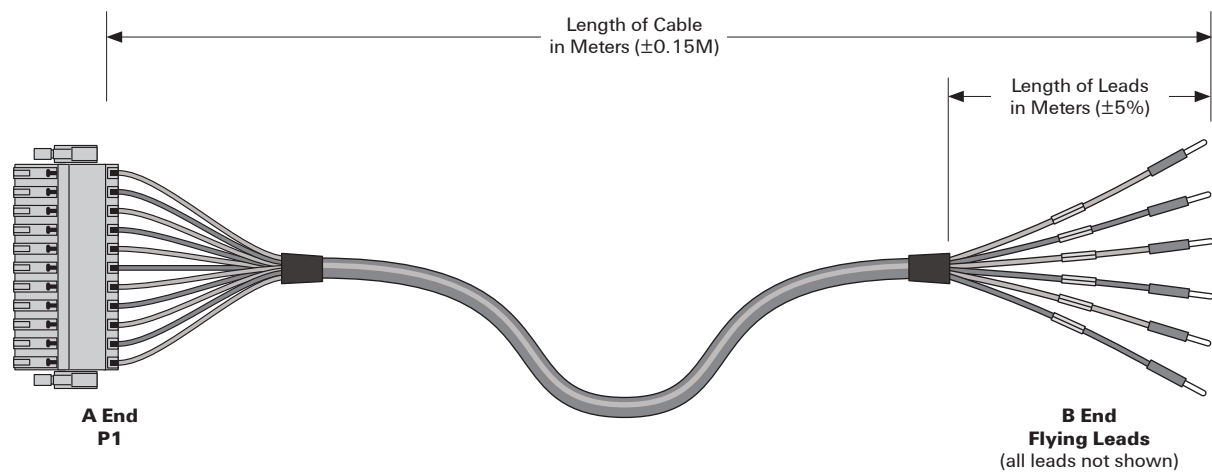
Note

Type	Qty	Order Number
38-point IPC-620 carrier	1	6720001225
Ref. Honeywell Terminal Block 621-9977 or -9976		

Type	Qty	Order Number
24-point IPC-620 carrier	1	6720001226
Ref. Honeywell Terminal Block 621-9954		

Type	Qty	Order Number
34-point IPC-620 carrier	1	6720001328

IPC 620 Migration Cables



Example: **MCB2LFFL101822010**

MC		B2L		FFL		10		18		22		010	
Marshalling Cable IPC 620		Cable Entry, A End		Lead Type, B End		Length of Leads, B End*		Wire AWG		No. of Wires		Length of Cable in Meters*	
B1L		12 Terminal Points		FFL Ferruled Flying Leads		03 0.3 meters		22 22 AWG		12 12 Points		1.5 1.5 meters	
B2L		22 Terminal Points		BFL Blunt-End Flying Leads		05 0.5 meters		18 18 AWG		22 22 Points		005 5.0 meters	
B3L		24 Terminal Points		TFL Tinned Flying Leads		10 1.0 meters				24 24 Points		010 10.0 meters	
B4L		38 Terminal Points		RFL Ring Lug Flying Leads		99 9.9 meters				38 38 Points		100 100.0 meters	
B5L		34 Terminal Points								34 34 Points			

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

Weidmuller – Your partner in Industrial Connectivity

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. 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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