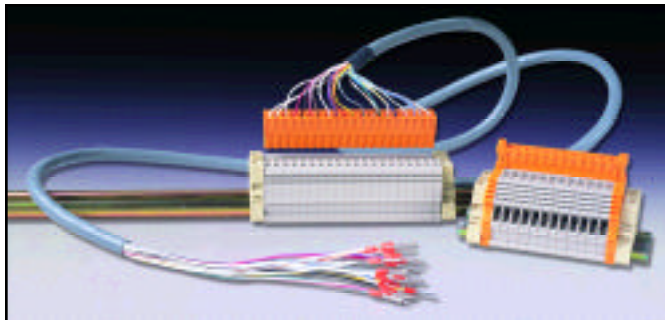
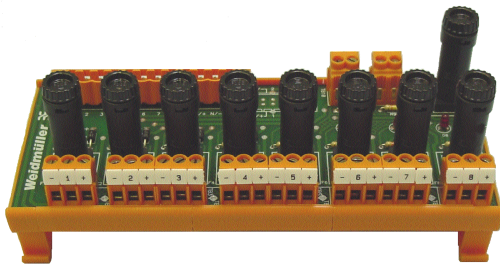


PLC Interface Modules

QuickBlock Universal PLC Interface

NEW



Complete Universal PLC System for wiring up to any PLC. This allows for:

- UL 508A Recognized
- Inventory reduction: field module and cable available kitted under one part number
- Rail space and labor reduction, 8 channels or 16 channels, pre-wired and pre-tested cables and terminals
- Free choice of connection technology: screw clamp or tension clamp
- Free choice of pluggable terminal block or PCB input/output version
- PCB version (8 channels only) has choice of fused individual channels, fused input or output only, or an analog version

United States

Weidmuller Inc.
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

Canada

Weidmuller Ltd.
10 Spy Court
Markham, Ontario L3R-5H6
Telephone: (800) 268-4080
Facsimile: (905) 475-2798
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

Mexico

Weidmuller, S.A. de C.V.
5 Sur No. 4311
Col. Huexotitla
72534 Puebla, Pue. Mexico
Telephone: (22) 37 2549
Facsimile: (22) 43 1981
Email: weidmull@acnet.net

Weidmüller 

Wiring Solutions For Your PLC Applications

10 Customer-Focused Questions to Ask:

- 1. Do you want to reduce your engineering development time or satisfy your design and drawings?**
Calling out multiple terminals, specifying wiring details and preparation, adding jumpers? That adds up to hundreds of parts. Call out just two of Weidmuller's PLC part numbers: a cable pre-wired with front panel adapter, and a Field Interface Module designed specifically for your I/O application and PLC manufacturer.
- 2. Are you looking to reduce component installation time?**
Reduce the wiring time between terminals and PLC I/O card by 6000%! That is a fact: three minutes versus three hours makes a *big* difference. Weidmuller factory pre-wiring is 100% tested and inspected, reducing both your wiring installation and error checking time. Also reduce your wire preparation time and routing with one cable replacing multiple connections. That adds up to fast *and* easy wiring.
- 3. Does your application require signal conditioning, voltage or current switching?**
If you require relay switching, optocoupler isolation, or circuit protection, Weidmuller's PLC Interface products allow for multiple connection formats and consolidate I/O points. Plus, our relays and optocouplers are pluggable, so if there is a failure, replace one in seconds.
- 4. Are you frustrated with troubleshooting standard termination during costly downtime?**
It can take hours testing system hardware for a failure. Options such as blown fuse indication, on-board circuit breakers, and disconnects, reduce troubleshooting and improve maintenance time. Weidmuller PLC Interface Systems reduce downtime and improve overall productivity.
- 5. Do you perceive material costs for PLC Interface systems are higher than standard terminals?**
In most cases, your cost using Weidmuller standard PLC cabling versus using standard terminals is less. A standard fused application can save you over 20% in material costs. Add that to your labor cost savings of 98% over standard termination for an overall savings of over 50% of the total job. It just *looks* expensive.
- 6. Do you still like the idea of PLC interface systems, but still shy from the price?**
Weidmuller's QuickBlock Universal PLC System provides a lower cost alternative to standard passive interface. Terminals, a pre-wired cable with no front panel adapter, and marking tags provide all you need, under one part number. Weidmuller quality screw or tension clamp terminals assure you of safe and secure connections.
- 7. Do you utilize several different manufacturer's PLC's or controllers based on customer requests?**
Try Weidmuller's QuickBlock Universal PLC Interface. Connect to *any* manufacturer's PLC with a choice of screw clamp or tension clamp technology. Reduce inventory maintenance costs by utilizing a universal solution that comes boxed and ready to snap on a rail for *any* control application.
- 8. Do you get compliments on the quality of your panels?**
Consider using organized, pre-wired cables and Field Interface Modules. Get that consistent look and feel at lower material cost, with less labor, and real savings.
- 9. Are you proud of your crisp, professional labeling and marking, but worry about the labor time it adds?**
No matter which Weidmuller PLC Interface solution you choose, we provide I/O point marking printed with the manufacturer's signal designation. Nothing extra to purchase, no need to reference the manufacturer's specifications to label your application. It is ready to snap into place.
- 10. Is what you require in PLC interface systems not available for your process or machine?**
In the future, consider Weidmuller Custom Services. Our capabilities allow you to focus on your strengths, provide innovative solutions to your customers, and are backed by ISO 9001 Quality...and often faster than you thought possible.

SELECTION PROCESS:

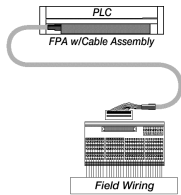
Please fax order form to your nearest Weidmuller Authorized Distributor.

A complete list is available online at www.weidmuller.com or by calling Customer Service at 800-849-9343.

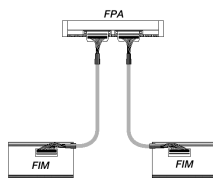
1. PLC Manufacturer: (example, Allen Bradley 1756 or Siemens S7 300. Most PLC's apply.)

2. Application specific I/O Card: (example, Allen Bradley 1756-IN16 or Siemens S7 300)

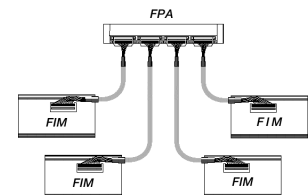
3. Connection Format:



One 8-Channel Connection or One 16 Channel Connection



Two 8-Channel Connections for 16 Channel Applications or Two 16 Channel Connections for 32 Channel Application



Four 8-Channel Connections for 32 Channel Application

- 998852 - 8 channel cable with *FPA wired
- 998853 - 16 channel cable with *FPA wired

Qty _____
Qty _____

*67100924 - Must also order for either cable in order to receive in the FPA exchange credit.

4. Cable Length up to 3 meters:

- 0.5 meters
- 1 meter
- 1.5 meters
- 2 meters
- 2.5 meters
- 3 meters

5. Any special requirements? Simply write out your requirements below (example, jumpering, shielding, etc.). In some cases, your solution may require a custom solution rather than an off-the-shelf product. We can do that too.

6. Is what you require in PLC Interface systems not available for your process or machine?

Consider Weidmuller Custom Services. Our capabilities allow you to focus on your strengths, provide innovative solutions to your customers, are backed by ISO 9001 Quality under our UL 508A in-house program...and often faster than you thought possible.

8 Channel Input/Output Options

Interface

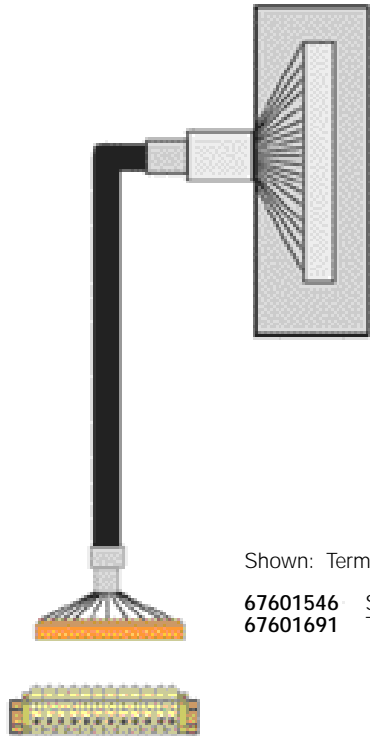
- Terminal block interface or discrete fused or analog PCB version in RS Housing
- Screw clamp or tension clamp terminal block version
- RS housing version: choose discrete or analog and fuse options
- Discrete version with fuse per channel or main fuse only
- Discrete or analog version with shield connection

Cable

- FPA mounting available for up to 3 meters. See order form page 3.
- 2 meters
- Pre-configured with flying leads and ferrules
- Termination choice: Standard cable with BLZ 12-pole for either terminal block assembly or RS housing version with BL header.

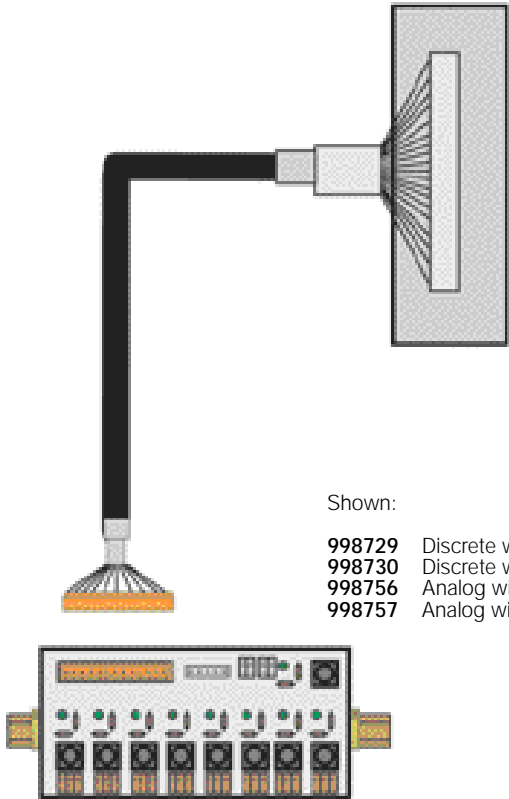
Kit

| BLZ/BL Position | Wire Color Code |
|-----------------|-----------------|
| (Not Marked) | |
| 01 | BLK |
| 02 | BRN |
| 03 | RED |
| 04 | ORG |
| 05 | YEL |
| 06 | GRN |
| 07 | BLU |
| 08 | VIOLET |
| L/+ | GRAY |
| L/+ | WHITE |
| N/- | WHT/BLK |
| N/- | WHT/BRN |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |



FPA & Pre-wired Universal Cable: **998852**
See Order Form Page 3

Shown: Terminal Interface
67601546 Screw Clamp
67601691 Tension Clamp



FPA & Pre-wired Universal Cable: **998852**
See Order Form Page 3

Shown:
998729 Discrete with Fuse per Channel
998730 Discrete with Main Fuse
998756 Analog with Fuse per Channel
998757 Analog with Main Fuse

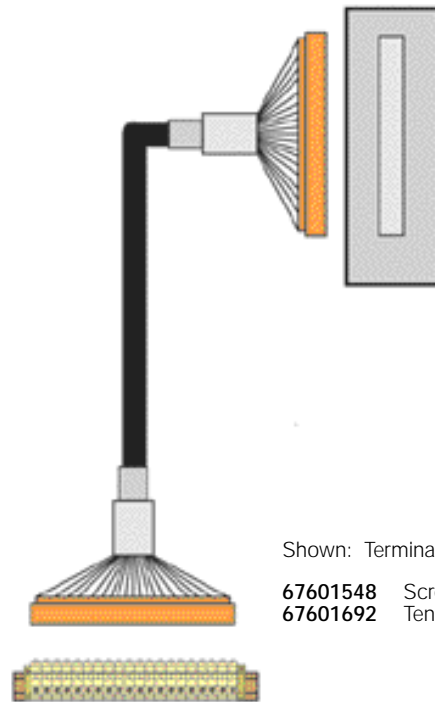
16 Channel Input/Output Options

Interface

- Terminal block interface or 2 discrete fused or analog PCB versions in RS Housing
- Screw clamp or tension clamp terminal block version
- Discrete or analog version with shield connection
- Discrete version with fuse per channel or main fuse only

Cable

- FPA Pre-wired cable for up to 3 meters, see order form page 3
- RS housing version requires 2 8-channel cables
- Standard 2 meters
- Cable pre-configured with flying leads and ferrules
- Termination choice: Standard cable with BLZ for either terminal block assembly or RS housing version with SL header.



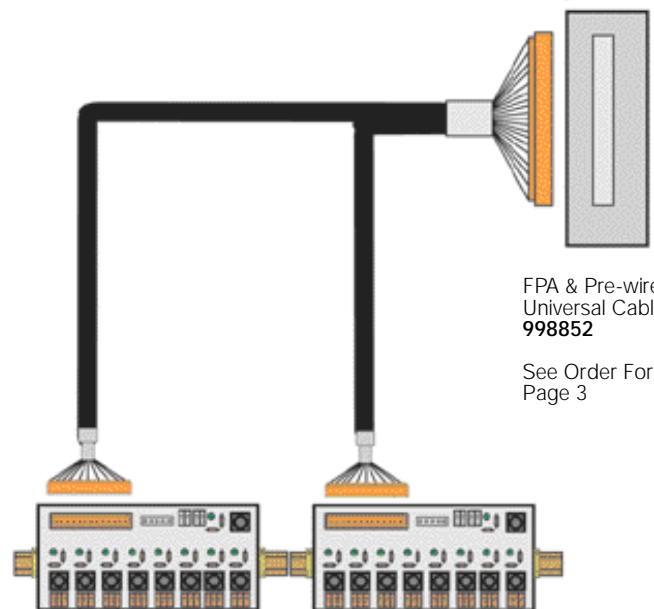
FPA & Pre-wired Universal Cable: **998853**

See Order Form Page 3

Shown: Terminal Interface

- 67601548** Screw Clamp
- 67601692** Tension Clamp

| BLZ/BL Position | Wire Color Code |
|-----------------|-----------------|
| (Not Marked) | |
| 01 | BLK |
| 02 | BRN |
| 03 | RED |
| 04 | ORG |
| 05 | YEL |
| 06 | GRN |
| 07 | BLU |
| 08 | VIOLET |
| 09 | GRAY |
| 10 | WHITE |
| 11 | WHT/BLK |
| 12 | WHT/BRN |
| 13 | WHT/RED |
| 14 | WHT/ORG |
| 15 | WHT/YEL |
| 16 | WHT/GRN |
| L/+ | WHT/BLU |
| L/+ | WHT/VIOLET |
| N/- | WHT/GRAY |
| N/- | WHT/BRN |
| | |
| | |
| | |



FPA & Pre-wired Universal Cable: **998852**

See Order Form Page 3

Shown:

- 998729** Discrete with Fuse per Channel
- 998730** Discrete with Main Fuse
- 998756** Analog with Fuse per Channel
- 998757** Analog with Main Fuse

PLC Interface Modules

Technical data

Cable Specifications

| | |
|-----------------------------|---|
| Length | Pre-wired FPA up to 3M; Version with Flying Leads only 2M |
| UR Type and Style | E-62291-T, AWM, Style 2464, Grey |
| Voltage Rating | 125 V |
| Maximum Ambient Temperature | 50°C (122°F) |
| Conductor Size | 22 AWG Multi-Strand |
| Conductor Current | 3.0 A per conductor |

Field Interface Module (FIM) Specifications

| | |
|---------------------------------------|---|
| Operating Voltage | 3 A (Assumes Cable and Field Interface System) |
| Maximum Current per Circuit | 3 A (Assumes Cable and Field Interface System) |
| Indicator Current ¹ | < 2.0 mA (Assumes Cable and Field Interface System) |
| Terminal Block Wire Size - Field Side | 26...12 AWG |
| Wire Strip Length - Field Side | 7 mm (0.29 in.) |
| Screw Tightening Torque - Field Side | 3.5 - 4.5 lb-in (0.38 - 0.50 Nm) (N/A for Tension Clamp Versions) |
| Operating Temperature | 0°C to 50°C |
| DIN Rail Mount | TS 32 or TS 35 |
| Recommended Fuses ² | |

Ordering data

Type

Kits

| Type | Part Number | Dimensions (in.) | Description |
|---|-------------|------------------|---|
| QuickBloc PLC WDU-8 with Cable, Flying Leads | 67601545 | 3.7 x 2.0 x 1.6 | 8 Screw Clamp Terminals, 2 Power 2 Ground, Cable, End Brackets |
| QuickBloc PLC WDU-16 with Cable, Flying Leads | 67601547 | 5.3 x 2.0 x 1.6 | 16 Screw Clamp Terminals, 2 Power 2 Ground, Cable, End Brackets |
| QuickBloc PLC ZKS-8 with Cable | 67601549 | 3.2 x 2.1 x 1.4 | 8 Tension Clamp Terminals, 2 Power 2 Ground, Cable, End Brackets |
| QuickBloc PLC ZKS-16 with Cable | 67601550 | 4.8 x 2.1 x 1.4 | 16 Tension Clamp Terminals, 2 Power 2 Ground, Cable, End Brackets |

Discrete & Analog Field Modules

| | | | |
|----------------------------------|--------|-----------------|---|
| QuickBloc DIS with SL, F/CH | 998729 | 6.4 x 2.8 x 2.8 | 8 Channel Discrete I/O, Fuse per Channel |
| QuickBloc DIS with SL, Main Fuse | 998730 | 6.4 x 2.8 x 2.8 | 8 Channel Discrete I/O, Fuse On Power Input |
| QuickBloc ANA with SL, F/CH | 998756 | 6.4 x 2.8 x 2.8 | 8 Channel Analog I/O, Fuse per Channel |
| QuickBloc ANA with SL, Main Fuse | 998757 | 6.4 x 2.8 x 2.8 | 8 Channel Analog I/O |

Separate Cable

| | | | |
|--|--------|-------------------|--|
| Cable Universal PLC 20-Pole, Flying Leads | 998741 | 2 M | |
| Cable Universal PLC 12-Pole, Flying Leads | 998740 | 2 M | |
| Cable Universal PLC 20-Pole, Pre-wired FPA | 998853 | Specify up to 3 M | |
| Cable Universal PLC 12-Pole, Pre-wired FPA | 998852 | Specify up to 3 M | |

Terminal Assemblies Only

| | | | |
|---------------------------|----------|-----------------|--|
| Quickbloc PLC WDU-8 only | 67601546 | 3.7 x 2.0 x 1.6 | 8 Screw Clamp Terminals, 2 Power 2 Ground, End Brackets |
| Quickbloc PLC WDU-16 only | 67601548 | 5.3 x 2.0 x 1.6 | 16 Screw Clamp Terminals, 2 Power 2 Ground, End Brackets |
| Quickbloc PLC ZKS-8 only | 67601691 | 3.2 x 2.1 x 1.4 | 8 Tension Clamp Terminals, 2 Power 2 Ground, End Brackets |
| Quickbloc PLC ZKS-16 only | 67601692 | 4.8 x 2.1 x 1.4 | 16 Tension Clamp Terminals, 2 Power 2 Ground, End Brackets |

¹ Indicator LED Current is a typical rating for LED circuits. Not all FIM's are equipped with indicators.

² Replacement fuses are available from Weidmüller. Do not replace fuses with ratings higher than specified.

United States

Weidmuller Inc.
821 Southlake Blvd.
Richmond, Virginia 23236
Telephone: (800) 849-9343
Facsimile: (804) 379-2593
Email: info@weidmuller.com
Website: www.weidmuller.com

Canada

Weidmuller Ltd.
10 Spy Court
Markham, Ontario L3R-5H6
Telephone: (800) 268-4080
Facsimile: (905) 475-2798
Email: info1@weidmuller.ca
Website: www.weidmuller.ca

Mexico

Weidmuller, S.A. de C.V.
5 Sur No. 4311
Col. Huexotitla
72534 Puebla, Pue. Mexico
Telephone: (22) 37 2549
Facsimile: (22) 43 1981
Email: weidmull@acnet.net

