

AutomationDirect Controllers and ZIPLinks



Modules



Feedthrough Connector Modules

Feedthrough modules provide low-cost and compact field wiring screw termination solutions for quickly connecting Link cables with PLCs.



Fused Modules

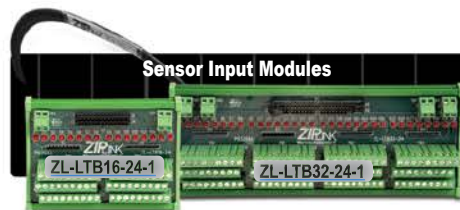
Fuse modules provide a means to add fuse protection to PLC output devices. The 16 and 32 point fuse modules provide easy accessible fuse holders that accept standard 5x20 mm fuses. Fuses not included.



24V DC-Powered Relay Module

ZL-RRL16-24-1 (sink and source models available)

Our DC-powered relay module provides isolation, switches high current (10A) loads, is offered in 16 points, and includes diode protection to prevent voltage spikes at the relay coil from damaging connected PLC I/O



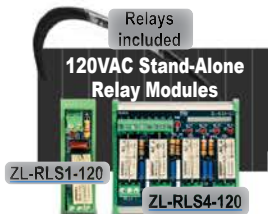
Sensor Input Modules

LED modules provide simple and logical termination for 3-wire sensors or other devices. These modules offer visual LED indication of device input status for quick troubleshooting. The LED/sensor modules are available in 16 and 32-point versions.



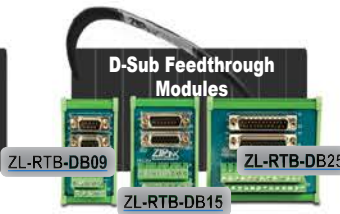
24VDC Stand-Alone Relay Modules

24 VDC stand-alone relay modules use plug-in relays for switching high current (10A) loads.



120VAC Stand-Alone Relay Modules

120 VAC Stand alone relay modules use plug-in relays for switching high current (10A) loads.



D-Sub Feedthrough Modules

These connector modules provide a fast and convenient method of transitioning between D-Sub connectors and field wiring devices.



RJ12 Feedthrough Module

The RJ12 feedthrough module provides convenient break-out of wiring to terminal blocks.



24VDC and 120VAC Transorb Modules

8-channel devices used to suppress counter-electromotive force (CEMF) generated by switching inductive loads which can cause unexpected PLC system shutdown.



Communication Distribution Modules

The RJ12 multi-port distribution modules allow for fast and convenient RS485 multi-drop connections.



Communications Port Adapters

Communication adaptors eliminate the hassle associated with connecting crimp or solder connectors to PLC communication ports.

Modules mount on 35mm DIN rail part # DN-R35S1 or 15mm DIN rail part #DN-R15S1).



See DIN Rail and Accessories earlier in this section

Cables

- Pre-wired • Ready-to-wire • D-Subminiature • and more!

ZIPLink cables are available in a number of pre-wired and ready-to-wire configurations that accommodate the majority of our PLC I/O modules.



ZIPLINK Wiring Solutions

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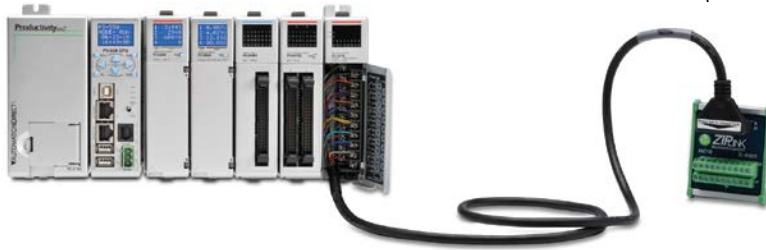
Wiring Solutions using the ZIPLink Wiring System

ZIPLinks eliminate the normally tedious process of wiring between devices by utilizing pre-wired cables and DIN rail mount connector modules. It's as simple as plugging in a cable connector at either end or terminating wires at only one end. Pre-wired cables keep installation clean and efficient, using half the space at a fraction of the cost of standard terminal blocks. There are several wiring solutions available when using the **ZIPLink** System ranging from PLC I/O-to-**ZIPLink** Connector

Modules that are ready for field termination, options for connecting to third party devices, GS, DuraPulse and SureServo Drives, as well as special relay, transorb and communications modules. Pre-printed I/O-specific adhesive label strips for quick marking of **ZIPLink** modules are provided with **ZIPLink** cables. See the following solutions to help determine the best **ZIPLink** system for your application.

Solution 1: Do-more, DirectLOGIC, CLICK and Productivity Series I/O Modules to ZIPLink Connector Modules

When looking for quick and easy I/O-to-field termination, a **ZIPLink** connector module used in conjunction with a prewired **ZIPLink** cable, consisting of an I/O terminal block at one end and a multi-pin connector at the other end, is the best solution.



Using the PLC I/O Modules to **ZIPLink** Connector Modules selector tables located in this section,

1. Locate your I/O module/PLC
2. Select a **ZIPLink** Module
3. Select a corresponding **ZIPLink** Cable.

Solution 2: Do-more, DirectLOGIC, CLICK and Productivity Series I/O Modules to 3rd Party Devices

When wanting to connect I/O to another device within proximity of the I/O modules, no extra terminal blocks are necessary when using the **ZIPLink** Pigtail Cables. **ZIPLink** Pigtail Cables are prewired to an I/O terminal block with color-coded pigtail with soldered-tip wires on the other end.



Using the I/O Modules to 3rd Party Devices selector tables located in this section,

1. Locate your PLC I/O module
2. Select a **ZIPLink** Pigtail Cable that is compatible with your 3rd party device.

Solution 3: GS Series and DuraPulse Drives Communication Cables

Need to communicate via Modbus RTU to a drive or a network of drives?

ZIPLink cables are available in a wide range of configurations for connecting to PLCs and SureServo, SureStep, Stellar Soft Starter and AC drives. Add a **ZIPLink** communications module to quickly and easily set up a multi-device network.

Using the Drives Communication selector tables located in this section,

1. Locate your Drive and type of communications
2. Select a **ZIPLink** cable and other associated hardware.



ZIPLINK[®] Wiring Solutions

AUTOMATIONDIRECT[®]

Solution 4: Serial Communications Cables

ZIPLink offers communications cables for use with DirectLOGIC, CLICK, and Productivity CPUs, that can also be used with other communications devices. Connections include a 6-pin RJ12 or 9-pin, 15-pin and 25-pin D-sub connectors which can be used in conjunction with the RJ12 or D-Sub feedthrough modules.

Using the Serial Communications Cables selector table located in this section,

1. Locate your connector type
2. Select a cable.



Solution 5: Specialty ZIPLink Modules

For additional application solutions, ZIPLink modules are available in a variety of configurations including stand-alone relays, 24VDC and 120VAC transorb modules, D-sub, RJ12 and RJ45 feedthrough modules, communication port adapter and distribution modules, and SureServo 50-pin I/O interface connection.

Using the ZIPLink Specialty Modules selector table located in this section,

1. Locate the type of application
2. Select a ZIPLink module.



Solution 6: ZIPLink Connector Modules to 3rd Party Devices

If you need a way to connect your device to terminal blocks without all that wiring time, then our pigtail cables with color coded soldered tip wires are a good solution. Used in conjunction with any compatible ZIPLink Connector Modules, a pigtail cable keeps wiring clean and easy and reduces troubleshooting time.

Using the Universal Connector Modules and Pigtail Cables table located in this section,

1. Select module type
2. Select the number of pins
3. Select cable.



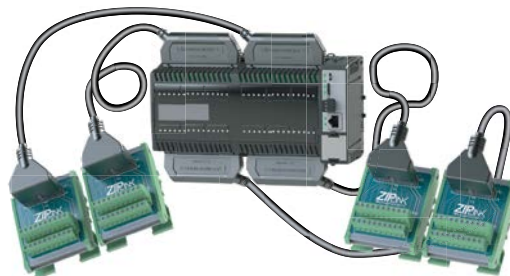


CPU I/O Modules to ZIPLink Connector Modules – BRX MPUs



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

BX 36/36E MPUs ZIPLink Selector			
Part No.	Feedthrough Modules	Cable Part No.*	Max Qty Needed
BX-DM1-36ED1			
BX-DM1-36ED1-D			
BX-DM1-36ED2			
BX-DM1-36ED2-D			
BX-DM1-36ER**			
BX-DM1-36ER-D**			
BX-DM1-36AR**	ZL-RTB20 (Standard)	ZL-BX-CBL15	4
BX-DM1E-36ED13	OR	ZL-BX-CBL15-1	
BX-DM1E-36ED13-D	ZL-RTB20-1 (Compact)	ZL-BX-CBL15-2	
BX-DM1E-36ED23			
BX-DM1E-36ED23-D			
BX-DM1E-36ER3**			
BX-DM1E-36ER3-D**			
BX-DM1E-36AR3**			



* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.
 ** The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

BX 18/18E MPUs ZIPLink Selector			
Part Number	Feedthrough Modules	Cable Part No.*	Max Qty Needed
BX-DM1-18ED1			
BX-DM1-18ED1-D			
BX-DM1-18ED2			
BX-DM1-18ED2-D			
BX-DM1-18ER**			
BX-DM1-18ER-D**			
BX-DM1-18AR**	ZL-RTB20 (Standard)	ZL-BX-CBL15	2
BX-DM1E-18ED13	OR	ZL-BX-CBL15-1	
BX-DM1E-18ED13-D	ZL-RTB20-1 (Compact)	ZL-BX-CBL15-2	
BX-DM1E-18ED23			
BX-DM1E-18ED23-D			
BX-DM1E-18ER3**			
BX-DM1E-18ER3-D**			
BX-DM1E-18AR3**			



* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.
 ** The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

BX 10/10E MPUs ZIPLink Selector			
Part Number	Feedthrough Modules	Cable Part No.*	Max Qty Needed
BX-DM1-10ED1-D			
BX-DM1-10ED2-D			
BX-DM1-10ER-D**			
BX-DM1-10AR-D**	ZL-RTB20 (Standard)	ZL-BX-CBL20	1
BX-DM1E-10ED13-D	OR	ZL-BX-CBL20-1	
BX-DM1E-10ED23-D	ZL-RTB20-1 (Compact)	ZL-BX-CBL20-2	
BX-DM1E-10ER3-D**			
BX-DM1E-10AR3-D**			



* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.
 ** The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.



CPU I/O Modules to ZIPLink Connector Modules - BRX Expansion Modules



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

8-Point BRX Digital Expansion Module ZIPLink Selector			
Expansion Module Part No.	Feedthrough Modules	Cable Part No. *	Qty Needed
BX-08ND3	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BXEM-CBL10 ZL-BXEM-CBL10-1 ZL-BXEM-CBL10-2	1
BX-08NF3			
BX-08NA			
BX-08NB			
BX-08TD1			
BX-08TD2			
BX-08TR**			
BX-08TRZ**			
BX-08TA			
BX-08CD3R**			

* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.
** The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

12- & 5-Point BRX Digital Expansion Module ZIPLink Selector			
Expansion Module Part No.	Feedthrough Modules	Cable Part No. *	Qty Needed
BX-12ND3	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BXEM-CBL15 ZL-BXEM-CBL15-1 ZL-BXEM-CBL15-2	1
BX-12NA			
BX-12NB			
BX-12TD1			
BX-12TD2			
BX-12TR**			
BX-05TRS			
BX-12TA			
BX-12CD3D1			
BX-12CD3D2			

* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.
** The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

BRX 16-Point and 32-Point Discrete Expansion Module ZIPLink selection tables are shown on next page.

8-Point BRX Digital Expansion Module ZIPLink Selector			
Expansion Module Part No.	Feedthrough Modules	Cable Part No. *	Qty Needed
BX-HS104	ZL-RTB40 (Standard) OR ZL-RTB40-1 (Compact)	ZL-BX-CBL40-S ZL-BX-CBL40-1S	1

BRX Analog Expansion Module ZIPLink Selector			
Expansion Module Part No.	Feedthrough Modules	Cable Part No. *	Qty Needed
BX-04ADM-1	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	1
BX-04AD-1			
BX-04AD-2B			
BX-08AD-1		ZL-BXEM-CBL10	
BX-08AD-2B		ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	
BX-08AD-3			
BX-04DA-1			
BX-04DA-2B		ZL-BXEM-CBL10	
BX-08DA-1		ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	
BX-08DA-2B			
BS-08DA-3			
BX-16DA-1		ZL-BXEM-CBL10	
BX-16DA-2B		ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	
BX-2AD2DA-1			
BX-4AD2DA-1			
BX-2AD2DA-2B			
BX-4AD2DA-2B		ZL-BXEM-CBL10	
BX-4AD4DA-3			
BX-04THM			
BX-08THM		Temperature Input modules are not supported by the ZIPLink wiring system.	
BX-06RTD			
BX-08NTC			
BX-4THM4DA-1			
BX-4RTD4DA-1			

* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.



BRX CPU with expansion modules and ZIPLink ZL-RTB20 feedthrough module.

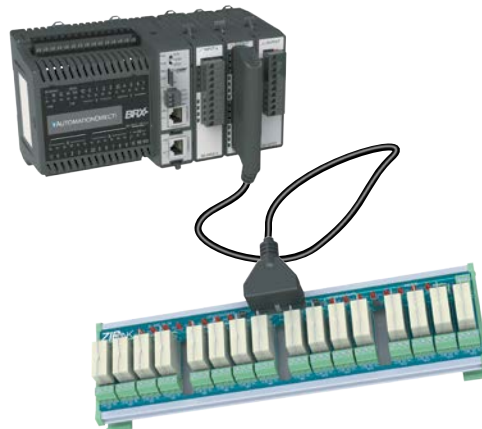


CPU I/O Modules to ZIPLink Connector Modules - BRX Expansion Modules



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

16-Point BRX Expansion Module ZIPLink Selector				
Expansion Module Part	# of Terms	Component	Part No.	Cable Part No. *
BX-16ND3	18	Sensor	ZL-LTB16-24-1	ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2
BX-16NF3		Feedthrough	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	
BX-16NA				
BX-16NB				
BX-16TD1		Relay (Sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1	
BX-16TD2		Feedthrough	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	
		Relay (Sourcing)	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2	
BX-16TF2		Feedthrough	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	
BX-16TR**				
BX-16TRZ**				
BX-16CD3D1				
BX-16CD3D2				
BX-16CF3F2				



BRX CPU with expansion modules and ZIPLink [ZL-RRL16-24-1](#) relay module.

* Cable Length: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

** The relay outputs are derated not to exceed 2A per common when used with the ZIPLink wiring system.

32-Point BRX Expansion Module ZIPLink Selector				
Expansion Module Part No.	Component	Part No.	Cable Part No. *	Qty Needed
BX-32ND3	Sensor	ZL-LTB32-24-1	ZL-D24-CBL40 ZL-D24-CBL40-1 ZL-D24-CBL40-2	1
	Feedthrough	ZL-RTB40 (Standard) OR ZL-RTB40-1 (Compact)		
BX-32TD1	Feedthrough	ZL-RTB40-1 (Compact)		
BX-32TD2			ZL-D24-CBL40-1XP ZL-D24-CBL40-2XP ZL-D24-CBL40-2P	

* Select the cable length: Blank = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

Suffix -X indicates 45° cable connector angle. Non -X indicates 180° cable connector angle.



CPU I/O Modules to ZIPLink Connector Modules – CLICK



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

CLICK CPU Module ZIPLink Selector				
CPU Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
CO-00DD1-D	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2
CO-00DD2-D				
CO-00DR-D				
CO-00AR-D				
CO-01DD1-D				
CO-01DD2-D				
CO-01DR-D				
CO-01AR-D				
Analog CPUs				

CLICK Ethernet CPU Module ZIPLink Selector				
CPU Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
CO-10DD1E-D	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2
CO-10DD2E-D				
CO-10DRE-D				
CO-10ARE-D				
CO-11DD1E-D				
CO-11DD2E-D				
CO-11DRE-D				
CO-11ARE-D				
Analog CPUs				



Note: ZIPLink Connector Module specifications follow the Compatibility Matrix tables. ZIPLink Cable specifications are at the end of this ZIPLink section.





CPU I/O Modules to ZIPLink Connector Modules – CLICK



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

CLICK CPU Discrete Input Module ZIPLink Selector				
I/O Input Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
CO-08ND3	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11
CO-08ND3-1				ZL-C0-CBL11-1
CO-08NE3				ZL-C0-CBL11-2
CO-08NA				
CO-16ND3	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20
		Sensor	ZL-LTB16-24-1	ZL-C0-CBL20-1
CO-16NE3		Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20-2
		Sensor	ZL-LTB16-24-1	

CLICK CPU Combo I/O Module ZIPLink Selector				
I/O Combo Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
CO-16CDD1	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20
CO-16CDD2				ZL-C0-CBL20-1
CO-08CDR	11			ZL-C0-CBL11
				ZL-C0-CBL11-1
				ZL-C0-CBL11-2

CLICK CPU Analog I/O Module ZIPLink Selector				
I/O Analog Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
CO-04AD-1	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11
CO-04AD-2				ZL-C0-CBL11-1
CO-04RTD	20	No ZIPLinks are available for RTD and thermocouple modules.		
CO-04THM	11			
CO-04DA-1	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11
CO-04DA-2				ZL-C0-CBL11-1
CO-4AD2DA-1	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20
CO-4AD2DA-2				ZL-C0-CBL20-1
				ZL-C0-CBL20-2

CLICK CPU Discrete Output Module ZIPLink Selector				
I/O Output Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
CO-08TD1	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11
CO-08TD2				ZL-C0-CBL11-1
CO-08TR				ZL-C0-CBL11-2
CO-08TA				
CO-16TD1	20	Feedthrough		ZL-C0-CBL20
		Fuse	ZL-RFU20 ²	
		Relay (sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1	
CO-16TD2	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20-1
		Fuse	ZL-RFU20 ²	ZL-C0-CBL20-2
CO-04TRS ¹	20	Relay (sourcing)	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2	
		Feedthrough	ZL-RTB20 (-1)	

- ¹ The [CO-04TRS](#) relay output is derated not to exceed 2A per point maximum when used with the ZIPLink wiring system.
- ² Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits. To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. [ZL-RFU20](#) = 2A per circuit.



Note: ZIPLink Connector Module specifications follow the Compatibility Matrix tables. ZIPLink Cable specifications are at the end of this ZIPLink section.





PLC I/O Modules to ZIPLink Connector Modules – DL05/06



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

DL05/06 PLC Input Module ZIPLink Selector				
PLC	ZIPLink			
Input Module	# of Terms	Component	Module Part No.	Cable Part No.
D0-10ND3	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13
D0-10ND3F				
D0-16ND3 †	24	Feedthrough		ZL-D0-CBL24-L
		Sensor	ZL-LTB16-24-1	ZL-D0-CBL24-1L ZL-D0-CBL24-2L
F0-08NA-1	10	Not supported by the ZIPLink wiring system.		

† Select the cable length: L = 0.5m, 1L = 1.0m, or 2L = 2.0m.

DL05/06 PLC Combo In/Out Module ZIPLink Selector				
PLC	ZIPLink			
Combo Module	# of Terms	Component	Module Part No.	Cable Part No.
D0-07CDR	10	Not supported by the ZIPLink wiring system.		
D0-08CDD1	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13

DL05/06 PLC Analog Module ZIPLink Selector				
PLC	ZIPLink			
Analog Module	# of Terms	Component	Module	Cable
F0-04AD-1	8	These modules are not supported by the ZIPLink wiring system.		
F0-04AD-2				
F0-08ADH-1	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13
F0-08ADH-2				
F0-04DAH-1				
F0-08DAH-1				
F0-04DAH-2				
F0-08DAH-2				
F0-2AD2DA-2	8	These modules are not supported by the ZIPLink wiring system.		
F0-4AD2DA-1				
F0-4AD2DA-2				
F0-04RTD	Matched Only	These modules are not supported by the ZIPLink wiring system.		
F0-04THM				



Note: ZIPLink Connector Module specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.

DL05/06 PLC Output Module ZIPLink Selector				
PLC	ZIPLink			
Output Module	# of Terms	Component	Module Part No.	Cable Part No.
D0-10TD1	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13
D0-16TD1	24	Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 2	ZL-D0-CBL24 ZL-D0-CBL24-1
		Relay (sinking)	ZL-RRL16-24-1	ZL-D0-CBL24-2
			ZL-RRL16F-24-1	
D0-10TD2	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13
D0-16TD2	24	Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 2	ZL-D0-CBL24 ZL-D0-CBL24-1 ZL-D0-CBL24-2
		Relay (sourcing)	ZL-RRL16-24-2	
			ZL-RRL16W-24-2 ZL-RRL16F-24-2	
D0-08TR	10	Not supported by the ZIPLink wiring system.		
F0-04TRS¹	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13

DL05/06 PLC Fixed I/O ZIPLink Selector				
PLC	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
DL05	18	Not supported by the ZIPLink wiring system.		
DL06 **	20 (Input side only)	Feedthrough	ZL-RTB20 (-1)	ZL-D06X-CBL20
	20 (Output side only)			ZL-D06Y-CBL20

All Tables Notes:

* Select the cable length by replacing the * with: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

** Input side only connects X0 through X17. X20 thru X23 will have to be hand wired if used. Output side the power and auxiliary power terminals will have to be hand wired.

¹ Caution: The F0-04TRS relay outputs are derated not to exceed 2A per point when used with the ZIPLink wiring system.

² Note: Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits.

To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. [ZL-RFU20](#) = 2A per circuit; [ZL-RFU40](#) = 400mA per circuit.





PLC I/O Modules to ZIPLink Connector Modules – Do-more!/DL205

Do-more / DL205 PLC Input Module ZIPLink Selector				
PLC	ZIPLink			
Input Module	# of Terms	Component	Module Part No.	Cable Part No. †
D2-08ND3	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 *
D2-16ND3-2	19	Feedthrough	ZL-LTB16-24-1	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
		Sensor		
D2-32ND3 †	40	Feedthrough	ZL-RTB40 (-1)	180 deg conn: ZL-D24-CBL40 ZL-D24-CBL40-1 ZL-D24-CBL40-2
		Sensor	ZL-LTB32-24-1	
D2-32ND3-2 †	40	Feedthrough	ZL-RTB40 (-1)	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X
		Sensor	ZL-LTB32-24-1	
D2-08NA-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2
D2-08NA-2	10			
D2-16NA	19			ZL-D2-CBL19 *

† X in the part number represents a 45° angle.

Do-more/DL205 PLC Combo In/Out Module ZIPLink Selector				
PLC	ZIPLink			
Combo Module	# of Terms	Component	Module Part No.	Cable Part No.
D2-08CDR	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 *
H2-CTRIO2	19	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL19 *

Do-more/DL205 PLC Analog Module ZIPLink Selector							
PLC	ZIPLink						
Analog Module	# of Terms	Component	Module	Cable			
F2-04AD-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2			
F2-08AD-1							
F2-04AD-2							
F2-08AD-2							
F2-02DA-1							
F2-02DA-1L							
F2-02DAS-1				ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2			
F2-08DA-1							
F2-02DA-2							
F2-02DA-2L							
F2-02DAS-2					ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2		
F2-08DA-2							
F2-4AD2DA				19			ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
F2-8AD4DA-1							
F2-8AD4DA-2							
F2-04RTD	Matched Only	These modules are not supported by the ZIPLink wiring system					
F2-04THM							

Do-more/ DL205 PLC Output Module ZIPLink Selector				
PLC	ZIPLink			
Output Module	# of Terms	Component	Module Part No.	Cable Part No. †
D2-04TD1 †	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2
D2-08TD1				
D2-08TD2				
D2-16TD1-2	19	Feedthrough	ZL-RFU20 †	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
		Fuse		
D2-16TD2-2	19	Feedthrough	ZL-RFU20 †	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
		Fuse		
		Relay		
F2-16TD1P	19	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
F2-16TD2P				
D2-32TD1 †	40	Feedthrough	ZL-RFU40 (-1)	180 deg conn: ZL-D24-CBL40 ZL-D24-CBL40-1 ZL-D24-CBL40-2
		Fuse		
		Feedthrough		
D2-32TD2 †	40	Fuse	ZL-RFU40 †	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X
D2-08TA	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2
F2-08TA				
D2-12TA	19	Feedthrough	ZL-RFU20 †	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
		Fuse		
D2-04TRS †	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2
D2-08TR				
F2-08TRS †				
F2-08TR †	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL19 *
F2-08TR †	10	Feedthrough		ZL-D2-CBL10 *
D2-12TR	19	Feedthrough	ZL-RFU20 †	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
		Fuse		

† X in the part number represents a 45° angle plug

* Select the cable length by replacing the * with: Blank = 0.5 m, -1 = 1.0 m, or -2 = 2.0 m.

1 To make a custom cable for the 32-point modules, use: Solder-style 180° connector [ZL-D24-CON](#) or Solder-style 45° connector [ZL-D24-CON-X](#)

2 Caution: The [D2-04TD1](#), [D2-04TRS](#), and [F2-08TRS](#) outputs are derated not to exceed module specs 2A per point and 2A per common when used with the ZIPLink wiring system.

3 The [F2-08TR](#) outputs are derated not to exceed 2A per point and 4A per common when used with the ZIPLink wiring system.

4 Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits.

To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. [ZL-RFU20](#)= 2A per circuit; [ZL-RFU40](#) = 400mA per circuit.



Note: ZIPLink Connector Module specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.



PLC I/O Modules to ZIPLink Connector Modules – DL305

DL305 PLC Input Module ZIPLink Selector				
PLC	ZIPLink			
Input Module	# of Terms	Component	Module Part No.	Cable Part No.
D3-08ND2 ¹	10	See Note 1		
D3-16ND2-1	18	These modules are not supported by the ZIPLink wiring system		
F3-16ND3F				
D3-08NA-1 ¹	10	See Note 1		
D3-08NA-2 ¹				
D3-16NA	18	Not supported by the ZIPLink wiring system		
D3-08NE3 ¹	10	See Note 1		
D3-16NE3	18	Not supported by the ZIPLink wiring system		

DL305 PLC Output Module ZIPLink Selector				
PLC	ZIPLink			
Output Module	# of Terms	Component	Module Part No.	Cable Part No.
D3-04TD1 ¹	10	See Note 1		
D3-08TD1 ¹				
D3-08TD2 ¹				
D3-16TD1-1	18	These modules are not supported by the ZIPLink wiring system		
D3-16TD2				
D3-04TAS ¹	10	See Note 1		
F3-08TAS-1	18	These modules are not supported by the ZIPLink wiring system		
D3-08TA-2 ¹	10	See Note 1		
F3-16TA-2	18	These modules are not supported by the ZIPLink wiring system		
D3-16TA-2				
D3-08TR ¹	10	See Note 1		
D3-16TR	18	These modules are not supported by the ZIPLink wiring system		
F3-08TRS-1				
F3-08TRS-2				

DL305 PLC Analog Module ZIPLink Selector				
PLC	ZIPLink			
Analog Module	# of Terms	Component	Module	Cable
F3-04ADS	18	These modules are not supported by the ZIPLink wiring system		
F3-08AD-1				
F3-16AD				
F3-04DA-1				
F3-08THM-J	T/C Wire Only			
F3-08THM-K				

All Tables Footnotes:

¹ These I/O modules have non-removable terminal blocks which can be terminated using the [ZL-CBL24-1P](#) or [2P](#) pigtail cable and the [ZL-RTB20](#) module of the ZIPLink wiring system.



Note: ZIPLink Connector Modules specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.





PLC I/O Modules to ZIPLink Connector Modules - DL405

DL405 PLC Input Module ZIPLink Selector				
PLC	ZIPLink			
Input Module	# of Terms	Component	Module Part No.	Cable Part No.
D4-08ND3S	20	See Note 3		
D4-16ND2				
D4-16ND2F				
D4-32ND3-1 ²	40	Feedthrough	ZL-RTB40 (-1)	straight conn: ZL-D24-CBL40 ZL-D24-CBL40-1 ZL-D24-CBL40-2
D4-64ND2 ^{1,2}		Sensor	ZL-LTB32-24-1	
		Feedthrough	ZL-RTB40 (-1)	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X
	Sensor	ZL-LTB32-24-1		
D4-08NA	11	See Note 3		
D4-16NA	20			
D4-16NA-1				
D4-16NE3				
F4-08NE3S				

DL405 PLC Output Module ZIPLink Selector					
PLC	ZIPLink				
Output Module	# of Terms	Component	Module Part No.	Cable Part No.	
F4-08TD1S	20	See Note 3			
D4-16TD1	20				
D4-16TD2					
D4-32TD1 ²	40	Feedthrough	Feedthrough ZL-RTB40 (-1)	straight conn: ZL-D24-CBL40 ZL-D24-CBL40-1 ZL-D24-CBL40-2	
D4-32TD1-1 ²		Fuse			
		Feedthrough			Fused ZL-RFU40 ⁴
D4-32TD2 ²		Fuse			
		Feedthrough			
D4-64TD1 ^{1,2}		Fuse			
D4-08TA	11	See Note 3			
D4-16TA	20				
D4-08TR	11				
F4-08TRS-1	20				
F4-08TRS-2					
D4-16TR					

DL405 PLC Analog Module ZIPLink Selector				
PLC	ZIPLink			
Analog Module	# of Terms	Component	Module	Cable
F4-04AD	20	See Note 3		
F4-04ADS				
F4-08AD				
F4-16AD-1				
F4-16AD-2				
F4-04DA-1				
F4-04DA-2				
F4-08DA-1				
F4-16DA-1				
F4-08DA-2				
F4-16DA-2				
F4-04DAS-1				
F4-04DAS-2				
F4-08THM ³	T/C Wire Only			
F4-08THM-n ³				
F4-08RTD ³	Matched Only			

Tables Footnotes:

- The [D4-64ND2](#) and [D4-64TD1](#) modules have two 32-point connectors and require two ZIPLink cables and two ZIPLink connector modules.
- To make a custom cable for the 32 or 64-point modules, use: Solder-style 180° connector [ZL-D24-CON](#) or Solder-style 45° connector [ZL-D24-CON-X](#)
- These modules are not supported by the ZIPLink wiring system.
- Note: Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits. To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. [ZL-RFU20](#) = 2A per circuit; [ZL-RFU40](#) = 400mA per circuit.



Note: ZIPLink Connector Module specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.



CPU I/O Modules to ZIPLink Connector Modules - Productivity[®]1000



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

Productivity1000 Input Module ZIPLink Selector				
Module	ZIPLink			
Input Module	# of Terms	Component	Part No.	Cable Part No.
P1-08ND3	10	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL10
P1-08NE3				ZL-P1-CBL10-1
P1-16ND3	18			ZL-P1-CBL18
P1-16NE3				ZL-P1-CBL18-1
P1-08NA	10			ZL-P1-CBL10
P1-08SIM				ZL-P1-CBL10-1
		ZL-P1-CBL10-2		
			See Note 1	

Productivity1000 Output Module ZIPLink Selector				
Module	ZIPLink			
Output Module	# of Terms	Component	Part No.	Cable Part No.
P1-08TD1	10	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL10
P1-08TD2				ZL-P1-CBL10-1
P1-15TD1	18			ZL-P1-CBL18
P1-15TD2	18			ZL-P1-CBL18-1
P1-08TA	10			ZL-P1-CBL10
P1-08TRS²				ZL-P1-CBL10-1
P1-16TR³	18	ZL-P1-CBL18		
		ZL-P1-CBL18-1		
		ZL-P1-CBL18-2		

Productivity1000 Combo Module ZIPLink Selector				
I/O Module	ZIPLink			
Output Module	# of Terms	Component	Part No.	Cable Part No.
P1-15CDD1	18	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL18
P1-15CDD2				ZL-P1-CBL18-1
P1-16CDR				ZL-P1-CBL18-2

Productivity1000 Analog Output Module ZIPLink Selector				
Module	ZIPLink			
Analog Module	# of Terms	Component	Part No.	Cable Part No.
P1-04DAL-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL10
P1-04DAL-2				ZL-P1-CBL10-1
P1-08DAL-1				ZL-P1-CBL10-2
P1-08DAL-2				

Productivity1000 Analog Input Module ZIPLink Selector				
I/O Module	ZIPLink			
Analog Module	# of Terms	Component	Part No.	Cable Part No.
P1-04AD	18	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL18
P1-04ADL-1	10			ZL-P1-CBL18-1
P1-04ADL-2				ZL-P1-CBL18-2
P1-08ADL-1				ZL-P1-CBL10
P1-08ADL-2				ZL-P1-CBL10-1
P1-04THM	T/C Wire Only			
P1-04RTD	Matched Only		See Note 1	
P1-04NTC	Copper Conductors		See Note 1	

Productivity1000 Analog Input/Output Module ZIPLink Selector				
I/O Module	ZIPLink			
Analog Module	# of Terms	Component	Part No.	Cable Part No.
P1-4ADL2DAL-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL10
P1-4ADL2DAL-2				ZL-P1-CBL10-1
				ZL-P1-CBL10-2

Table Footnotes:

1. These modules are not supported by the ZIPLink wiring system.
2. The [P1-08TRS](#) output module is derated not to exceed 2A per point maximum when used with the ZIPLink wiring system.
3. The [P1-16TR](#) output module is derated not to exceed 2A per point and 4 amps per common maximum when used with the ZIPLink wiring system.



Note: ZIPLink Connector Modules specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.





CPU I/O Modules to ZIPLink Connector Modules - Productivity[®]2000



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

Productivity2000 Input Module ZIPLink Selector				
I/O Module	ZIPLink			
Input Module	# of Terms	Component	Part No.	Cable Part No.
P2-08ND3-1	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
P2-16ND3-1		Sensor/LED	ZL-LTB16-24-1	
P2-08NE3		Feedthrough	ZL-RTB20 (-1)	
P2-16NE3		Sensor/LED	ZL-LTB16-24-1	
P2-32ND3-1	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40 ZL-CBL40-1 ZL-CBL40-2
		Sensor/LED	ZL-LTB32-24-1	
P2-32NE3		Feedthrough	ZL-RTB40 (-1)	
		Sensor/LED	ZL-LTB32-24-1	
P2-08NAS	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
P2-16NA				

Productivity2000 Output Module ZIPLink Selector						
I/O Module	ZIPLink					
Output Module	# of Terms	Component	Part No.	Cable Part No.		
P2-08TD1S	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2		
P2-08TD2S						
P2-15TD1						
P2-15TD2						
P2-08TD1P						
P2-08TD2P						
P2-08TRS						
P2-08TAS						
P2-16TA					Fuse	ZL-RFU20²
P2-16TD1P					Feedthrough	ZL-RTB20 (-1)
					Relay (Sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1
					Feedthrough	ZL-RTB20 (-1)
P2-16TD2P					Relay (Sourcing)	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2
					Feedthrough	ZL-RTB40 (-1)
P2-32TD1P	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40 ZL-CBL40-1 ZL-CBL40-2		
P2-32TD2P	Feedthrough	ZL-RTB40 (-1)				
P2-16TR	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2		
		Fuse	ZL-RTB20²			

Productivity2000 Specialty & Motion Modules ZIPLink Selector				
I/O Module	ZIPLink			
Input Module	# of Terms	Component	Module Part No.	Cable Part No.
P2-HSI	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40-S ZL-CBL40-1S ZL-CBL40-2S
P2-HSO				
P2-08SIM	See Note 1			
P2-SCM	See Note 1			

Tables Footnotes:

- 1 These modules are not supported by the ZIPLink wiring system
- 2 Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits.
- To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. [ZL-RFU20](#) = 2A per circuit; [ZL-RFU40](#) = 400mA per circuit.



Note: ZIPLink Connector Modules specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.



CPU I/O Modules to ZIPLink Connector Modules - Productivity[®] 2000



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

Productivity2000 Analog Input Module ZIPLink Selector				
I/O Module	ZIPLink			
Analog Module	# of Terms	Component	Part No.	Cable Part No.
<u>P2-04AD</u>	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
<u>P2-08AD-1</u>				
<u>P2-08AD-2</u>				
<u>P2-08ADL-1</u>				
<u>P2-08ADL-2</u>				
<u>P2-16AD-1</u>	24			ZL-P2-CBL24 ZL-P2-CBL24-1 ZL-P2-CBL24-2
<u>P2-16AD-2</u>				
<u>P2-16ADL-1</u>				
<u>P2-16ADL-2</u>				
<u>P2-06RTD</u>	Matched Only		See Note 1	
<u>P2-08THM</u>	T/C Wire Only		See Note 1	
<u>P2-08NTC</u>	Copper Conductors		See Note 1	



1 These modules are not supported by the ZIPLink wiring system

Productivity2000 Analog Output Module ZIPLink Selector				
I/O Module	ZIPLink			
Analog Module	# of Terms	Component	Part No.	Cable Part No.
<u>P2-04DA</u>	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
<u>P2-04DAL-1</u>				
<u>P2-04DAL-2</u>				
<u>P2-08DA-1</u>				
<u>P2-08DA-2</u>				
<u>P2-08DAL-1</u>	24			ZL-P2-CBL24 ZL-P2-CBL24-1 ZL-P2-CBL24-2
<u>P2-16DA-1</u>				
<u>P2-16DA-2</u>				
<u>P2-16DAL-1</u>				
<u>P2-16DAL-2</u>	18			ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
<u>P2-8AD4DA-1</u>				
<u>P2-8AD4DA-2</u>				



Note: ZIPLink Connector Modules specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.



CPU I/O Modules to ZIPLink Connector Modules - Productivity3000®



Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

Productivity3000 CPU Input Module ZIPLink Selector				
I/O Module		ZIPLink		
Input Module	# of Terms	Component	Module Part No.	Cable Part No.
P3-08NAS	20	Feedthrough	ZL-RTB20 (-1)	ZL-P3-CBL20
P3-08ND3S				ZL-P3-CBL20-1
P3-16NA		ZL-P3-CBL20-L		
P3-16ND3		ZL-P3-CBL20-1L		
P3-32ND3	40	Sensor	ZL-LTB16-24-1	ZL-P3-CBL20-2L
		Feedthrough	ZL-RTB40 (-1)	ZL-CBL40 ZL-CBL40-1 ZL-CBL40-2
		Sensor	ZL-LTB32-24-1	
		Feedthrough	ZL-RTB40 (-1)	
P3-64ND3 ¹	Sensor	ZL-LTB32-24-1		

Productivity3000 CPU Output Module ZIPLink Selector				
I/O Module		ZIPLink		
Output Module	# of Terms	Component	Module Part No.	Cable Part No.
P3-08TAS	20	Feedthrough	ZL-RTB20 (-1)	ZL-P3-CBL20 *
P3-08TD1S				ZL-P3-CBL20-L
P3-08TD2S				ZL-P3-CBL20-1L
P3-08TRS				ZL-P3-CBL20-2L
P3-16TA	20	Feedthrough		ZL-P3-CBL20 ZL-P3-CBL20-1 ZL-P3-CBL20-2
P3-16TD1		Fuse	ZL-RFU20 ⁴	
		Feedthrough	ZL-RTB20 (-1)	
P3-16TD2		Fuse	ZL-RFU20 ⁴	
		Relay (sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1	
P3-16TR		Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ⁴	
P3-08TRS-1 3		Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ⁴	
P3-32TD1		40	Feedthrough	
P3-32TD2	Fuse		ZL-RFU40 ⁴	
	Feedthrough		ZL-RTB40 (-1)	
P3-64TD1 1	Fuse		ZL-RFU40 ⁴	
	Feedthrough		ZL-RTB40 (-1)	
P3-64TD2 1	Fuse		ZL-RFU40 ⁴	
	Feedthrough		ZL-RTB40 (-1)	
P3-16TD3P	Feedthrough		ZL-RTB40 (-1)	

Productivity3000 CPU Analog In Module ZIPLink Selector				
I/O Module		ZIPLink		
Analog Module	# of Terms	Component	Module	Cable*
P3-04ADS	20	Feedthrough	ZL-RTB20 (-1)	ZL-P3-CBL20-L
P3-08AD				ZL-P3-CBL20-1L
P3-16AD-1				ZL-P3-CBL20-2L
P3-16AD-2				
P3-08RTD	Matched Only	See Note 2		
P3-08THM	T/C Wire Only			
P3-04DA	20	Feedthrough	ZL-RTB20 (-1)	ZL-P3-CBL20-L
P3-08DA-1				ZL-P3-CBL20-1L
P3-08DA-2				ZL-P3-CBL20-2L
P3-06DAS-1				
P3-06DAS-2				
P3-16DA-1				
P3-16DA-2				
P3-8AD4DA-1				
P3-8AD4DA-2				

Productivity3000 CPU Specialty Module ZIPLink Selector				
I/O Module		ZIPLink		
Input Module	# of Terms	Component	Module Part No.	Cable Part No.
P3-HSI	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40-S
P3-HSO				ZL-CBL40-1S ZL-CBL40-2S

Table Footnotes:

- * Select the cable length: L = 0.5 m, 1L = 1.0 m, or 2L = 2.0 m.
 - ¹ The P3-64ND3, P3-64TD1 and P3-64TD2 modules have two 32-point connectors and require two ZIPLink cables and two ZIPLink connector modules.
 - ² These modules are not supported by the ZIPLink wiring system.
 - ³ The P3-08TRS-1 output module is derated not to exceed 2A per point maximum when used with the ZIPLink wiring system.
 - ⁴ Fuses (5 x 20 mm) are not included. See Edison Electronic Fuse section for (5 x 20 mm) fuse. S500 and GMA electronic circuit protection for fast-acting maximum protection. S506 and GMC electronic circuit protection for time-delay performance. Ideal for inductive circuits.
- To ensure proper operation, do not exceed the voltage and current rating of ZIPLink module. ZL-RFU20 = 2A per circuit; ZL-RFU40 = 400mA per circuit.



Note: ZIPLink Connector Modules specifications follow the Compatibility Matrix tables. ZIPLink Cables specifications are at the end of this ZIPLink section.





PLC I/O to 3rd Party Devices

PLC I/O to 3rd Party Devices ZIPLink Cable Selector				
PLC		ZIPLink		
PLC Family	# of Terms	Number of Wires	Pigtail Cable Part No. †	Length
BRX MPUs	15	18	ZL-BX-CBL15-1P or -2P	"-1P" = 1 meter, "-2P" = 2 meters
	20	24	ZL-BX-CBL20-1P or -2P	
BRX Expansion Modules	10	24	ZL-BXEM-CBL10-1P or -2P	
	15	18	ZL-BXEM-CBL15-1P or -2P	
	20	24	ZL-BXEM-CBL20-1P or -2P	
CLICK I/O Modules	11	11	ZL-C0-CBL11-1P	
	20	20	ZL-C0-CBL20-1P	
DL05 PLC Fixed I/O	22	22	ZL-D05-CBL22-1P	
DL06 PLC Fixed I/O	24	24	ZL-D06-CBL24-1P	
DL05 & DL06 I/O Modules	8	8	ZL-D0-CBL8-1P	
	10	10	ZL-D0-CBL10-1P	
	13	13	ZL-D0-CBL13-1P	
	24	24	ZL-D0-CBL24-1P or -2P	
DL205 I/O Modules †	10	10	ZL-D0-CBL10-1P or -2P	
	19	19	ZL-D2-CBL19-1P or -2P	
	40	40	ZL-D24-CBL40-1P or -2P	
			ZL-D24-CBL40-1XP or -2XP	
DL405 I/O Modules †	40	40	ZL-D24-CBL40-1XP or -2XP	
			ZL-D24-CBL40-1P or -2P	
Productivity®1000 I/O Modules	10	20	ZL-P1-CBL10-1P or -2P	
	18	20	ZL-P1-CBL18-1P or -2P	
Productivity®2000 I/O Modules	20	20	ZL-P2-CBL18-1P or -2P	
	24	24	ZL-P2-CBL24-1P or -2P	
	40	40	ZL-P3-CBL40-1P or -2P	
Productivity3000® I/O Modules	20	20	ZL-P3-CBL20-1P or -2P	
	40	40	ZL-P3-CBL40-1P or -2P	

† X = 45° cable connector, all other cables have 180° cable connector





Motor Controller Communication

Drive / Motor Controller (GS/DuraPulse/SureServo/SureStep/Stellar) ZIPLink Selector									
Drive / Motor Controller		Communications			ZIPLink Cable				
Controller	Comm Port Type	Network/Protocol	Connects to	Comm Port Type	Cable (2 meter length)	Cable Connectors	Other Hardware Required		
GS1	RJ12	RS-485 Modbus RTU	BRX MPUs	RS-485, 3-Pin	ZL-RJ12-CBL-2P	RJ12 to pigtail	N/A		
			P2-550						
			P3-530						
			P3-550						
			P3-550E						
			P2-SCM	RS-485, 4-Pin					
			P3-SCM						
			DL06 PLCs	Port 2 (HD15)				GS-485HD15-CBL-2	RJ12 to HD15
			D2-262 CPU						
			GS-EDRV100	RJ12				GS-EDRV-CBL-2	RJ12 to RJ12
ZL-CDM-RJ12Xxx *	RJ12	GS-485RJ12-CBL-2							
FA-ISOCON	5-pin Connector	GS-ISOCON-CBL-2	RJ12 to 5-pin plug						
GS2	RJ12	RS-232 Modbus RTU	BRX MPUs	RS-232/485, 3-Pin	ZL-RJ12-CBL-2P	RJ12 to pigtail	N/A		
			P2-550	RS-485, 4-Pin					
			P3-530						
			P3-550						
			P3-550E						
			P2-SCM	Ports 1, 2 & 3					
			P3-SCM	Ports 1 to 4					
			CLICK PLCs	Port 2 (RJ12)				GS-RJ12-CBL-2	RJ12 to RJ12
			DL05 PLCs						
			DL06 PLCs	Port 2 (HD15)					
		D2-262 CPU							
		D4-454 CPU	Port 3 (25-pin)	FA-CABKIT					
		RS-485 Modbus RTU	BRX MPUs	RS-232/485, 3-Pin	ZL-RJ12-CBL-2P	RJ12 to pigtail	N/A		
			P2-550	RS-485, 3-Pin					
			P3-530						
			P3-550						
			P3-550E						
			P2-SCM	RS-485, 4-Pin					
			P3-SCM						
			DL06 PLCs	Port 2 (HD15)				GS-485HD15-CBL-2	RJ12 to HD15
			D2-262 CPU						
GS-EDRV100	RJ12		GS-EDRV-CBL-2	RJ12 to RJ12					
ZL-CDM-RJ12Xxx *	RJ12	GS-485RJ12-CBL-2							
FA-ISOCON	5-pin Connector	GS-ISOCON-CBL-2	RJ12 to 5-pin plug						
Stellar (Soft Starter) SR44 Series	RJ45 **	RS-485 Modbus RTU	DL06 PLCs	Port 2 (HD15)	SR44-485HD15-CBL-2	RJ45 to HD15	SR44-RS485		
			D2-262 CPU						
			ZL-CDM-RJ12Xxx *	RJ12					

* When using the ZL-CDM-RJ12Xxx ZIPLink Communication Distribution Module, replace the lowercase xx with the number of RJ12 ports, i.e. 4 for four ports or 10 for ten ports. (ex: ZL-CDM-RJ12X4 or ZL-CDM-RJ12X10)

** The [SR44-RS485](#) Communications Adapter must be installed for RS-485 communications with the Stellar soft starters.



Motor Controller Communication

Drive / Motor Controller (GS/DuraPulse/SureServo/SureStep/Stellar) ZIPLink Selector									
Drive / Motor Controller		Communications			ZIPLink Cable				
Controller	Comm Port Type	Network/Protocol	Connects to	Comm Port Type	Cable (2 meter length)	Cable Connectors	Other Hardware Required		
DuraPulse (GS3)	RJ12	RS-485 Modbus RTU	BRX MPUs	RS-485, 3-Pin	ZL-RJ12-CBL-2P	RJ12 to pigtail	N/A		
			P2-550	RS-485, 3-Pin					
			P3-530						
			P3-550						
			P3-550E	RS-485, 4-Pin					
			P2-SCM						
			P3-SCM	Port 2 (HD15)	GS-485HD15-CBL-2	RJ12 to HD15			
			DL06 PLCs		GS-EDRV-CBL-2	RJ12 to RJ12			
			D2-262 CPU	RJ12	GS-485RJ12-CBL-2				
			GS-EDRV100	RJ12	GS-ISOCON-CBL-2	RJ12 to 5-pin plug			
ZL-CDM-RJ12Xxx *	5-pin Connector								
SureServo	IEEE1394 (CN3)	RS-232 Modbus RTU	CLICK PLCs	Port 2 (RJ12)	SVC-232RJ12-CBL-2	6-pin IEEE to RJ12	N/A		
			DL05 PLCs	Port 2 (HD15)			SVC-232RJ12-CBL-2	6-pin IEEE to RJ12	FA-15HD
			DL06 PLCs						
			D2-262 CPU						
			P2-550	RS232					
			P3-530						
			P3-550						
			P3-550E						
		P2-SCM	Ports 1, 2 & 3						
		P3-SCM							
		RS-485 Modbus RTU	DL06 PLCs	Port 2 (HD15)	SVC-485HD15-CBL-2	6-pin IEEE to HD15	N/A		
			D2-262 CPU	RJ12	SVC-485RJ12-CBL-2	6-pin IEEE to RJ12			
			ZL-CDM-RJ12Xxx *		SVC-485CFG-CBL-2	6-pin IEEE to RJ45			
			USB-485M	RJ45					
SureStep	RJ12		RS-232 ASCII	BRX MPUs	3-Pin	ZL-RJ12-CBL-2P		RJ12 to pigtail	N/A
				P2-550	RS-485, 3-Pin				
		P3-530							
		P3-550							
		P3-550E		RS-485, 4-Pin					
		P2-SCM							
		P3-SCM		Port 2 (HD15)	STP-232HD15-CBL-2	HD15-pin to RJ12			
		DL06 PLCs			RJ12	STP-232RJ12-CBL-2	RJ12 to RJ12		
		D2-262 CPU (Port2)							
		DL05 PLCs							
CLICK PLCs									

* When using the ZL-CDM-RJ12Xxx ZIPLink Communication Distribution Module, replace the lowercase xx with the number of RJ12 ports, i.e. 4 for four ports or 10 for ten ports. (ex: ZL-CDM-RJ12X4or ZL-CDM-RJ12X10)
 ** The SR44-RS485 Communications Adapter must be installed for RS-485 communications with the Stellar soft starters.

ZIPLINK[®] Serial Communication

AUTOMATIONDIRECT[®]

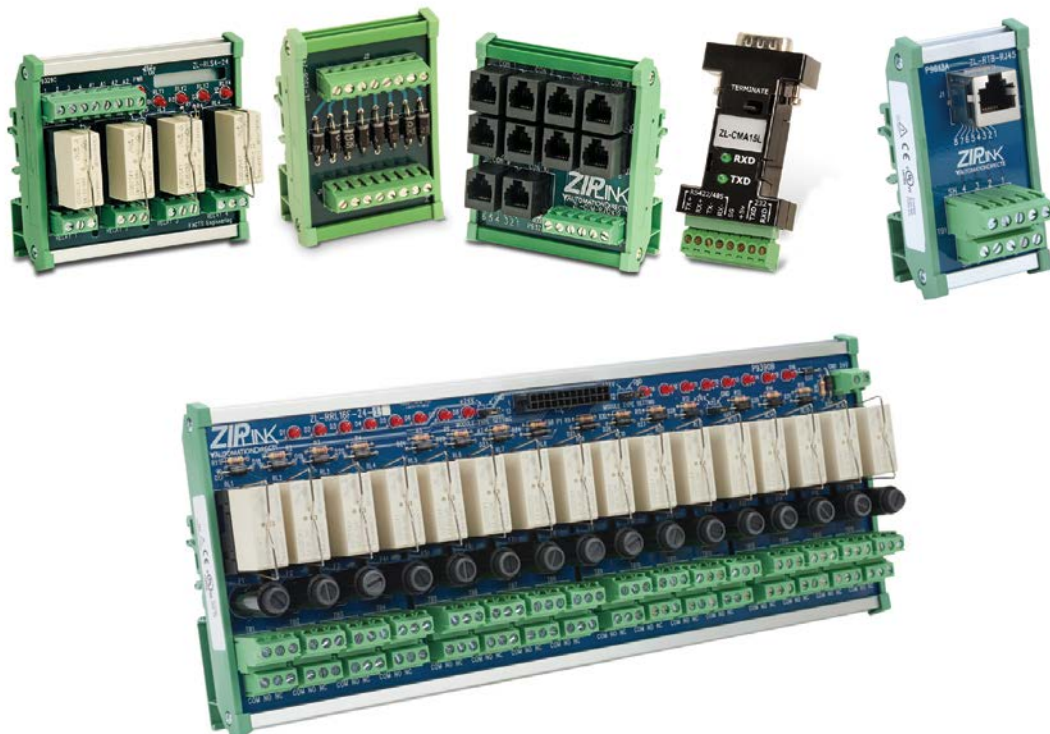
ZIPLink Serial Communication Cable Selector					
PLC			ZIPLink		
PLCs and Comm Modules	Port No.	Comm Port Type	Cable Connector Type	Cable Part No. (2 meter length)	D-Sub and RJ12 Feedthrough Module Part No. (optional)
BRX MPUs	RS232	POM (RJ12)	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
CLICK (Basic, Standard and Analog)	1	RJ12			
	2				
CLICK Ethernet (Basic, Standard)	2				
DL05	1				
	2				
DL06	1				
D0-DCM	1				
D2-262	1				
D2-DCM	1		25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2
D3-DCM	1	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
D4-454	0	15-pin D-sub, Female	15-pin Male D-sub to Female D-sub	ZL-DB15-CBL-2	ZL-RTB-DB15
	1 & 3	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
	2	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D4-DCM	1	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
P1-540	RS232	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
P2-550					
P3-530					
P3-550					



Specialty Modules

ZIPLink Specialty Modules Selector			
ZIPLink			
Module	Type	Module Part No.	Cable Part No. (optional)
24VDC Stand-Alone Relay	Single-Socket Relay	ZL-RLS1-24	N/A
	Four Socket-Relay	ZL-RLS4-24	
120VAC Stand-Alone Relay	Single-Socket Relay	ZL-RLS1-120	
	Four-Socket Relay	ZL-RLS4-120	
250V AC/DC Max.	16-point, Fused Block	ZL-FUSE-16	
24VDC Transorb	8-Channel	ZL-TSD8-24	
120VAC Transorb	8-Channel	ZL-TSD8-120	
240V AC/DC Max.	40-Point Power/Common	ZL-RTB-COM	
D-Sub Feedthrough	9-pin Male & Female D-Subs to Terminal Blocks	ZL-RTB-DB09	ZL-DB9-CBL-2
	15-pin Male & Female D-Subs to Terminal Blocks	ZL-RTB-DB15	ZL-DB15-CBL-2
	25-pin Male & Female D-Subs to Terminal Blocks	ZL-RTB-DB25	ZL-DB25-CBL-2
RJ12 Feedthrough	6-pin RJ12 to Terminal Block	ZL-RTB-RJ12	ZL-RJ12-CBL-2
RJ45 Feedthrough	8-pin RJ45 to Terminal Block	ZL-RTB-RJ45	N/A
Comm Port Adapters	15-pin HD D-Sub to Terminal Block	ZL-CMA15	
	15-pin HD D-Sub to Terminal Block with LED Indicators	ZL-CMA15L	
Comm Distribution	4-Port RJ12 to Terminal Block	ZL-CDM-RJ12X4	
	10-Port RJ12 to Terminal Block	ZL-CDM-RJ12X10	
Feedthrough Module (SureServo I/O)	50-pin to Terminal Blocks	ZL-RTB50	ZL-SVC-50CBL *

* Select the cable length by replacing the * with: Blank = 0.5m, -1 = 1.0m, or -2 = 2.0m





Connector Modules to 3rd Party Devices

ZIPLink Connector Modules to 3rd Party Devices Selector			
ZIPLink			
Module	Type	Module Part No.	Pigtail Cable Part No. (optional)
Feedthrough Connector	24-pin to Terminal Blocks	ZL-RTB20 ZL-RTB20-1	ZL-CBL24-1P ZL-CBL24-2P
	40-pin to Terminal Blocks	ZL-RTB40 ZL-RTB40-1	ZL-CBL40-1P ZL-CBL40-2P
	50-pin to Terminal Blocks	ZL-RTB50	ZL-CBL50-1P ZL-CBL50-2P
Fuse	16-Fuse, 24-pin	ZL-RFU20	ZL-CBL24-1P ZL-CBL24-2P
	32-Fuse, 40-pin	ZL-RFU40	ZL-CBL40-1P ZL-CBL40-2P
24VDC Powered Relay	16-Relay, Sinking, 24-pin	ZL-RRL16-24-1 ZL-RRL16F-24-1 ZL-RRL16W-24-1	ZL-CBL24-1P ZL-CBL24-2P
	16-Relay, Sourcing, 24-pin	ZL-RRL16-24-2 ZL-RRL16F-24-2 ZL-RRL16W-24-2	ZL-CBL24-1P ZL-CBL24-2P
Sensor Input	16-Point with LEDs	ZL-LTB16-24-1	ZL-CBL24-1P ZL-CBL24-2P
	32-Point with LEDs	ZL-LTB32-24-1	ZL-CBL40-1P ZL-CBL40-2P
D-Sub Feedthrough	9-pin D-Sub to Terminal Block	ZL-RTB-DB09	ZL-DB9F-CBL-2P
			ZL-DB9F-CBL-5P

