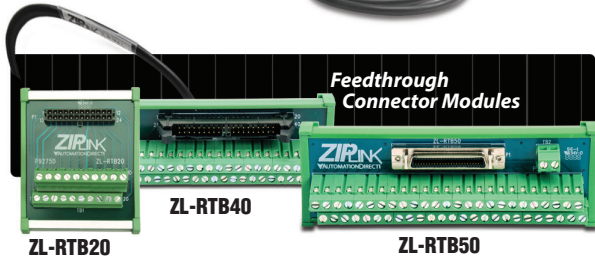


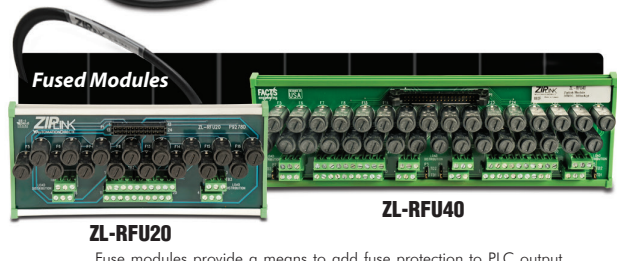
AutomationDirect Controllers and ZIPLinks



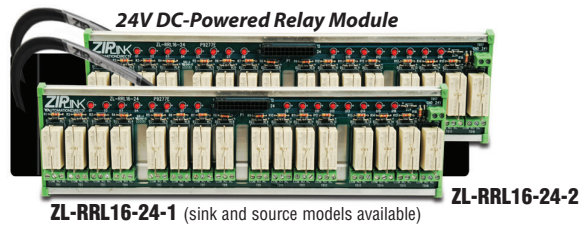
Modules



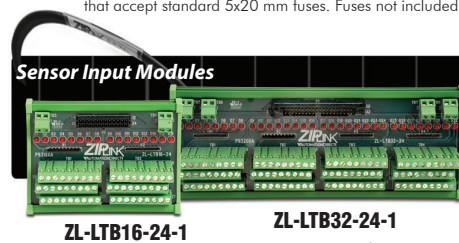
Feedthrough modules provide low-cost and compact field wiring screw termination solutions for quickly connecting Link cables with PLCs.



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.



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



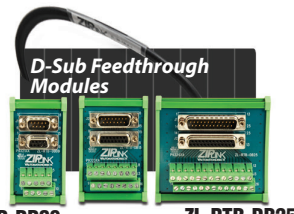
LED modules provide simple and logical termination for 3-wire sensors or other devices. These modules offer visual LED indication of device input status for quick troubleshooting. The LED/sensor modules are available in 16 and 32-point versions.



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



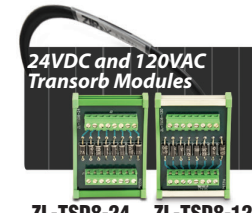
120 VAC Stand alone relay modules use plug-in relays for switching high current (10A) loads.



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



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



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



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



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.



ZIP LINK™ Wiring Solutions

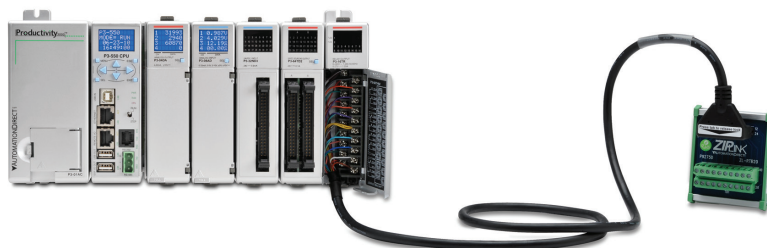
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Wiring Solutions using the ZIPLink Wiring System

ZIPLinks eliminate the normally tedious process of wiring between devices by utilizing prewired 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. Prewired 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.



ZIP LINK™ 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.

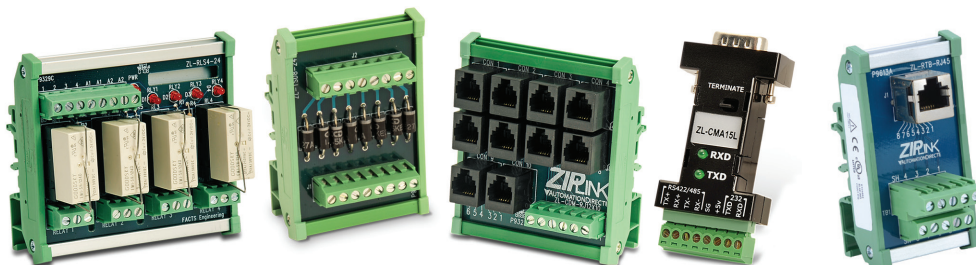


Solution 5: Specialty ZIPLink Modules

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	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BX-CBL15 ZL-BX-CBL15-1 ZL-BX-CBL15-2	4
BX-DM1-36ED1-D			
BX-DM1-36ED2			
BX-DM1-36ED2-D			
BX-DM1-36ER**			
BX-DM1-36ER-D**			
BX-DM1-36AR**			
BX-DM1E-36ED13			
BX-DM1E-36ED13-D			
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	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BX-CBL15 ZL-BX-CBL15-1 ZL-BX-CBL15-2	2
BX-DM1-18ED1-D			
BX-DM1-18ED2			
BX-DM1-18ED2-D			
BX-DM1-18ER**			
BX-DM1-18ER-D**			
BX-DM1-18AR**			
BX-DM1E-18ED13			
BX-DM1E-18ED13-D			
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	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BX-CBL20 ZL-BX-CBL20-1 ZL-BX-CBL20-2	1
BX-DM1-10ED2-D			
BX-DM1-10ER-D**			
BX-DM1-10AR-D**			
BX-DM1E-10ED13-D			
BX-DM1E-10ED23-D			
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-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.

BRX Analog Expansion Module Z/PLink 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			
BX-08AD-2B			
BX-04DA-1			
BX-04DA-2B			
BX-08DA-1			
BX-08DA-2B			
BX-16DA-1			
BX-16DA-2B			
BX-2AD2DA-1			
BX-4AD2DA-1			
BX-2AD2DA-2B			
BX-4AD2DA-2B			
BX-04THM	Temperature Input modules are not supported by the Z/PLink wiring system.		
BX-08THM			
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.

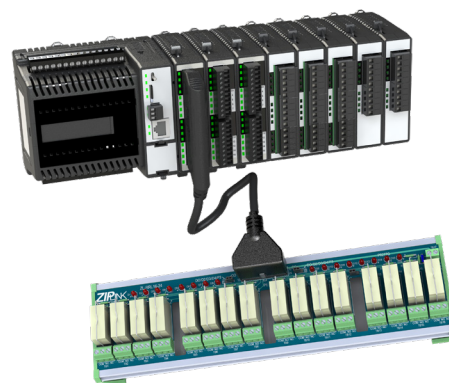


CPU I/O Modules to ZIPLink Connector Modules - BRX Expansion Modules



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 ZI/Link 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-16NA		Feedthrough	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	
BX-16NB			Feedthrough	
BX-16TD1		Relay (Sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1 ZL-RRL16HDF-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 ZL-RRL16HDF-24-2	
BX-16TR**		Relay	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	
BX-16CD3D1		Feedthrough		
BX-16CD3D2				



BRX CPU with expansion modules and ZIPLink ZL-RLL16-24 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				
BX-32TD2					

* 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.
C0-00DD1-D	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20
C0-00DD2-D				ZL-C0-CBL20-1
C0-00DR-D				ZL-C0-CBL20-2
C0-00AR-D				
C0-01DD1-D				
C0-01DD2-D				
C0-01DR-D				
C0-01AR-D				
Analog CPUs	No ZIPLinks are available for analog CPU modules.			

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



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.
C0-08ND3	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11
C0-08ND3-1				ZL-C0-CBL11-1
C0-08NE3				ZL-C0-CBL11-2
C0-08NA				
C0-16ND3	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2
		Sensor	ZL-LTB16-24-1	
C0-16NE3		Feedthrough	ZL-RTB20 (-1)	
		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.
C0-16CDD1	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2
C0-16CDD2				
C0-08CDR	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.	
C0-04AD-1	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11	
C0-04AD-2				ZL-C0-CBL11-1 ZL-C0-CBL11-2	
C0-04RTD	20	No ZIPLinks are available for RTD and thermocouple modules.			
C0-04THM	11				
C0-04DA-1	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11	
C0-04DA-2				ZL-C0-CBL11-1 ZL-C0-CBL11-2	
C0-4AD2DA-1	20			ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2	
C0-4AD2DA-2					

CLICK CPU Discrete Output Module ZIPLink Selector				
I/O Output Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
C0-08TD1	11	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL11 ZL-C0-CBL11-1 ZL-C0-CBL11-2
C0-08TD2				
C0-08TR				
C0-08TA				
C0-16TD1	20	Feedthrough		ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2
		Fuse	ZL-RFU20 ²	
		Relay (sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1 ZL-RRL16HDF-24-1	
C0-16TD2		Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ²	
		Relay (sourcing)	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2 ZL-RRL16HDF-24-2	
C0-04TRS ¹	Feedthrough	ZL-RTB20 (-1)		

¹ The C0-04TRS 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-LTB16-24-1	ZL-D0-CBL24-L ZL-D0-CBL24-1L
		Sensor		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)	ZL-D0-CBL24 ZL-D0-CBL24-1 ZL-D0-CBL24-2
		Fuse	ZL-RFU20 ²	
		Relay (sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1 ZL-RRL16HDF-24-1	
D0-10TD2	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13
D0-16TD2	24	Feedthrough		ZL-D0-CBL24 ZL-D0-CBL24-1 ZL-D0-CBL24-2
		Fuse	ZL-RFU20 ²	
		Relay (sourcing)	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2 ZL-RRL16HDF-24-2	
D0-08TR	10	Not supported by the ZIPLink wiring system.		
F0-04TRS ¹	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-D2-CBL19
		Sensor	ZL-LTB16-24-1	ZL-D2-CBL19-1 ZL-D2-CBL19-2
D2-32ND3 ¹	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 ¹	40	Feedthrough	ZL-RTB40 (-1)	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X ZL-D24-CBL40-2X
		Sensor	ZL-LTB32-24-1	
D2-08NA-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10
D2-08NA-2	10			ZL-D2-CBL10-1 ZL-D2-CBL10-2
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 *

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	
F2-04AD-1L					
F2-08AD-1					
F2-04AD-2					
F2-04AD-2L					
F2-08AD-2					
F2-02DA-1				ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2	
F2-02DA-1L					
F2-02DAS-1					
F2-08DA-1					
F2-02DA-2				ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2	
F2-02DA-2L					
F2-02DAS-2					
F2-08DA-2					
F2-4AD2DA	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 ²	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10
D2-08TD1				ZL-D2-CBL10-1
D2-08TD2				ZL-D2-CBL10-2
D2-16TD1-2	19	Feedthrough	ZL-RFU20 ⁴	ZL-D2-CBL19 ZL-D2-CBL19-1 ZL-D2-CBL19-2
		Fuse		
Feedthrough		ZL-RTB20 (-1)		
Fuse		ZL-RFU20 ⁴		
D2-16TD2-2		Relay	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2 ZL-RRL16HDF-24-2	
		Feedthrough	ZL-RTB20 (-1)	
F2-16TD1P				
F2-16TD2P				
D2-32TD1 ¹	40	Feedthrough	ZL-RTB40 (-1)	180 deg conn: ZL-D24-CBL40 ZL-D24-CBL40-1 ZL-D24-CBL40-2
		Fuse	ZL-RFU40 ⁴	
Feedthrough		ZL-RTB40 (-1)	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X ZL-D24-CBL40-2X	
Fuse		ZL-RFU40 ⁴		
D2-08TA	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10
F2-08TA				ZL-D2-CBL10-1
D2-12TA	19	Feedthrough	ZL-RFU20 ⁴	ZL-D2-CBL19
		Fuse		ZL-D2-CBL19-1
D2-04TRS ²	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10
D2-08TR				ZL-D2-CBL10-1
F2-08TRS ²	19	Feedthrough		ZL-D2-CBL19 *
F2-08TR ³	10	Feedthrough		ZL-D2-CBL10 *
D2-12TR	19	Feedthrough	ZL-RFU20 ⁴	ZL-D2-CBL19
		Fuse		ZL-D2-CBL19-1
				ZL-D2-CBL19-2

† 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: Ribbon-style Connector ZL-D24-CON-R, 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		
D3-16ND2F				
D3-16ND3F				
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 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				
F3-04DAS				
F3-08THM-J	T/C Wire Only			
F3-08THM-K				



NOTE: ZIPLINK CONNECTOR MODULES SPECIFICATIONS FOLLOW THE COMPATIBILITY MATRIX TABLES. ZIPLINK CABLES SPECIFICATIONS ARE AT THE END OF THIS ZIPLINK SECTION.

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-1				
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 ²	18	These modules are not supported by the ZIPLink wiring system		
F3-08TRS-1 ²				
F3-08TRS-2 ²				

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.





PLC I/O Modules to ZIPLink Connector Modules - DL405

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

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			

NOTE: ZIPLINK CONNECTOR MODULE SPECIFICATIONS FOLLOW THE COMPATIBILITY MATRIX TABLES. ZIPLINK CABLES SPECIFICATIONS ARE AT THE END OF THIS ZIPLINK SECTION.

DL405 PLC Output Module ZIPLink Selector				
PLC	ZIPLink			
Output Module	# of Terms	Component	Module Part No.	Cable Part No.
D4-08TD1+	11	See Note 3		
F4-08TD1S	20			
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
Fuse				
Feedthrough				
Fuse				
D4-32TD1-1 ²		Feedthrough	Fused ZL-RFU40 ⁴	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X ZL-D24-CBL40-2X
Fuse				
Feedthrough				
Fuse				
Feedthrough				
Fuse				
D4-64TD1 ¹²	See Note 3			
D4-08TA				11
D4-16TA				20
D4-08TR				11
F4-08TRS-1				20
F4-08TRS-2				
D4-16TR				

Tables Footnotes:

- ¹ The D4-64ND2 and D4-64TD1 modules have two 32-point connectors and require two ZIPLink cables and two ZIPLink connector modules.
- ² To make a custom cable for the 32 or 64-point modules, use: Ribbon-style Connector ZL-D24-CON-R, Solder-style 180° connector ZL-D24-CON or Solder-style 45° connector ZL-D24-CON-X
- ³ These modules are not supported by the ZIPLink wiring system.
- ⁴ 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.





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-CBL10-2
P1-08SIM				See Note 1

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 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 ZL-P1-CBL18-1 ZL-P1-CBL18-2
P1-04ADL-1	10			ZL-P1-CBL10 ZL-P1-CBL10-1 ZL-P1-CBL10-2
P1-04ADL-2				
P1-08ADL-1				
P1-08ADL-2				
P1-04THM	T/C Wire Only			See Note 1
P1-04RTD	Matched Only	See Note 1		
P1-04NTC	Copper Conductors	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 ZL-P1-CBL10-2
P1-15TD1	18			ZL-P1-CBL18
P1-15TD2	18			ZL-P1-CBL18-1 ZL-P1-CBL18-2
P1-08TA	10			ZL-P1-CBL10 ZL-P1-CBL10-1 ZL-P1-CBL10-2
P1-08TRS ²	18			ZL-P1-CBL18 ZL-P1-CBL18-1 ZL-P1-CBL18-2
P1-16TR ³				

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-CBL18-2
P1-08DAL-2				

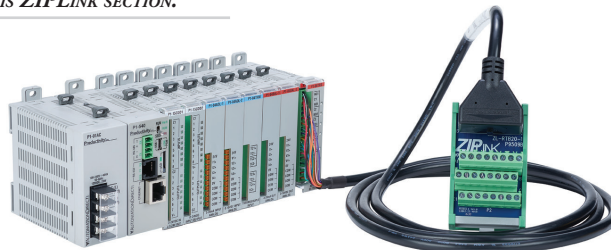
Productivity1000 Analog Input/Output Module ZIPLink Selector				
I/O Module	ZIPLink			
Analog Module	# of Terms	Component	Part No.	Cable Part No.
P1-04ADL2DAL-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-P1-CBL10
P1-04ADL2DAL-2				ZL-P1-CBL10-1
				ZL-P1-CBL18-2

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-RFU20 ²	
		Feedthrough	ZL-RTB20 (-1)	
P2-16TD1P		Relay (Sinking)	ZL-RR16-24-1 ZL-RR16W-24-1 ZL-RR16F-24-1 ZL-RR16HDF-24-1	
P2-16TD2P		Relay (Sourcing)	ZL-RR16-24-2 ZL-RR16W-24-2 ZL-RR16F-24-2 ZL-RR16HDF-24-2	
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-RFU20 ²	

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
P2-HSO				ZL-CBL40-1S
	ZL-CBL40-2S			
P2-08SIM	See Note 1			
P2-SCM				

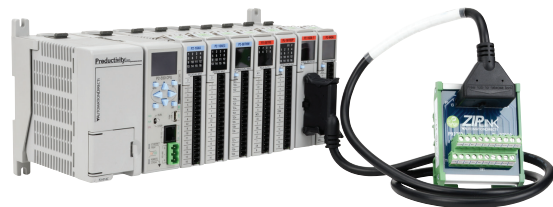
Tables Footnotes:

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.		
P2-04AD	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2		
P2-08AD-1						
P2-08AD-2						
P2-08ADL-1						
P2-08ADL-2						
P2-16AD-1	24			Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL24 ZL-P2-CBL24-1 ZL-P2-CBL24-2
P2-16AD-2						
P2-16ADL-1						
P2-16ADL-2						
P2-06RTD	Matched Only	See Note 1				
P2-08THM	T/C Wire Only	See Note 1				
P2-08NTC	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.
P2-04DA	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
P2-04DAL-1				
P2-04DAL-2				
P2-08DA-1				
P2-08DA-2				
P2-08DAL-1	24	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL24 ZL-P2-CBL24-1 ZL-P2-CBL24-2
P2-08DAL-2				
P2-16DA-1				
P2-16DA-2				
P2-16DAL-1	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1 ZL-P2-CBL18-2
P2-16DAL-2				
P2-8AD4DA-1				
P2-8AD4DA-2				



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-CBL20-2
P3-16ND3		Sensor		ZL-P3-CBL20-L ZL-P3-CBL20-1L ZL-P3-CBL20-2L
P3-32ND3	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40 ZL-CBL40-1 ZL-CBL40-2
		Sensor	ZL-LTB32-24-1	
P3-64ND3 ¹		Feedthrough	ZL-RTB40 (-1)	
		Sensor	ZL-LTB32-24-1	

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 ZL-P3-CBL20-1L ZL-P3-CBL20-2L
P3-08AD				
P3-16AD-1				
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 ZL-P3-CBL20-1L ZL-P3-CBL20-2L
P3-08DA-1				
P3-08DA-2				
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



NOTE: ZIPLINK CONNECTOR MODULES SPECIFICATIONS FOLLOW THE COMPATIBILITY MATRIX TABLES. ZIPLINK CABLES SPECIFICATIONS ARE AT THE END OF THIS ZIPLINK SECTION.

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		Feedthrough		ZL-P3-CBL20-2L
P3-16TA		Feedthrough		
		Fuse	ZL-RFU20 ⁴	
P3-16TD1		Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ⁴	
		Relay (sinking)	ZL-RR16-24-1 ZL-RR16W-24-1 ZL-RR16F-24-1 ZL-RR16HDF-24-1	ZL-P3-CBL20 ZL-P3-CBL20-1 ZL-P3-CBL20-2
P3-16TD2		Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ⁴	
		Relay (sourcing)	ZL-RR16-24-2 ZL-RR16W-24-2 ZL-RR16F-24-2 ZL-RR16HDF-24-2	
P3-16TR	40	Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ⁴	
P3-08TRS-1 ³		Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 ⁴	
P3-32TD1		Feedthrough	ZL-RTB40 (-1)	
		Fuse	ZL-RFU40 ⁴	
P3-32TD2		Feedthrough	ZL-RTB40 (-1)	
		Fuse	ZL-RFU40 ⁴	
P3-64TD1 ¹		Feedthrough	ZL-RTB40 (-1)	
		Fuse	ZL-RFU40 ⁴	
P3-64TD2 ¹		Feedthrough	ZL-RTB40 (-1)	
		Fuse	ZL-RFU40 ⁴	
P3-16TD3P		Feedthrough	ZL-RTB40 (-1)	

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.

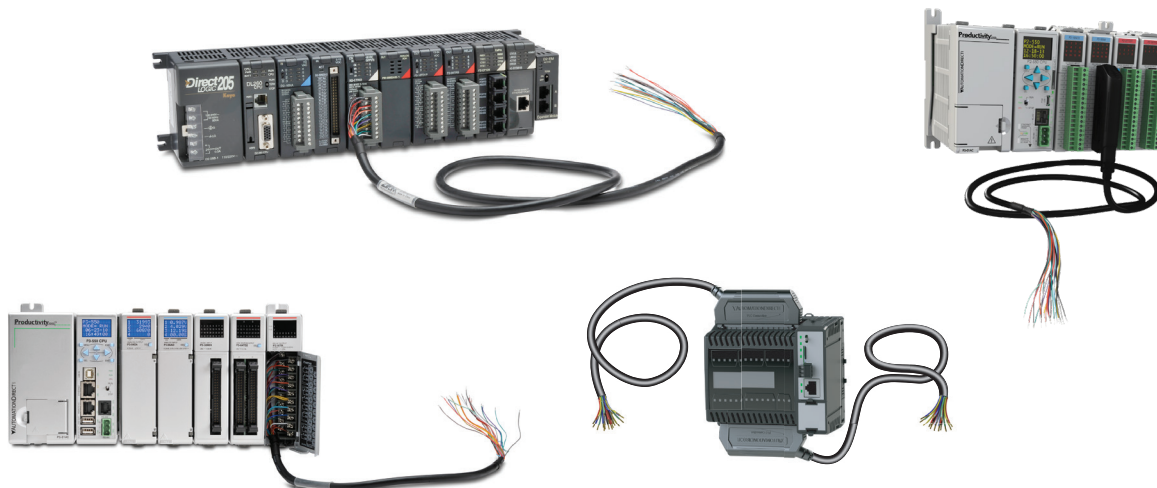




PLC I/O to 3rd Party Devices

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 or -2P	
	20	20	ZL-C0-CBL20-1P or -2P	
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-D2-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 †	20	20	(discontinued)	
	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						
			D2-260, 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				ZL-RJ12-CBL-2P	RJ12 to pigtail			
			P3-530									
			P3-550									
			P3-550E									
			P2-SCM	Ports 1, 2 & 3	ZL-RJ12-CBL-2P	RJ12 to pigtail						
			P3-SCM	Ports 1 to 4								
			CLICK PLCs	Port 2 (RJ12)				GS-RJ12-CBL-2	RJ12 to RJ12	FA-15HD		
			DL05 PLCs									
			DL06 PLCs									
			D2-250-1 CPU	Port 2 (HD15)	GS-RJ12-CBL-2	RJ12 to RJ12					FA-15HD	
			D2-260, D2-262 CPU									
			D4-450, 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	ZL-RJ12-CBL-2P	RJ12 to pigtail						
		P3-SCM										
		DL06 PLCs		Port 2 (HD15)			GS-485HD15-CBL-2	RJ12 to HD15				
		D2-260, 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		
						D2-250-1 CPU						
						D2-260, D2-262 CPU						
			ZL-CDM-RJ12Xxx *			RJ12	SR44-485RJ45-CBL-2	RJ45 to 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.												

* 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					
			P2-SCM	RS-485, 4-Pin	GS-485HD15-CBL-2	RJ12 to HD15		
			P3-SCM					
			DL06 PLCs	Port 2 (HD15)	GS-EDRV-CBL-2	RJ12 to RJ12		
			D2-260, D2-262 CPU	RJ12				GS-485RJ12-CBL-2
			GS-EDRV100	RJ12	GS-ISOCOM-CBL-2	RJ12 to 5-pin plug		
			ZL-CDM-RJ12Xxx *	RJ12				
FA-ISOCOM	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)			FA-15HD	
			DL06 PLCs					
			D2-250-1 CPU					
			D2-260, D2-262 CPU					
			D4-450 CPU	Port 3 (25-pin)	SVC-485RJ12-CBL-2	6-pin IEEE to RJ12	FA-CABKIT	
			P2-550	RS232	SVC-232RJ12-CBL-2	6-pin IEEE to RJ12	N/A	
			P3-530					
			P3-550					
		P3-550E						
		P2-SCM	Ports 1, 2 & 3	SVC-485HD15-CBL-2	6-pin IEEE to HD15			
		P3-SCM						
		DL06 PLCs	Port 2 (HD15)	SVC-485RJ12-CBL-2	6-pin IEEE to RJ12			
		D2-260, D2-262 CPU	RJ12	SVC-485CFG-CBL-2	6-pin IEEE to RJ45			
		ZL-CDM-RJ12Xxx *	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					
			P2-SCM	RS-485, 4-Pin	STP-232HD15-CBL-2	HD15-pin to RJ12		
			P3-SCM					
			DL06 PLCs	Port 2 (HD15)	STP-232RJ12-CBL-2	RJ12 to RJ12		
			D2-250-1 CPU	RJ12				
			D2-260, 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-RJ12X4 or ZL-CDM-RJ12X10)

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

* 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.



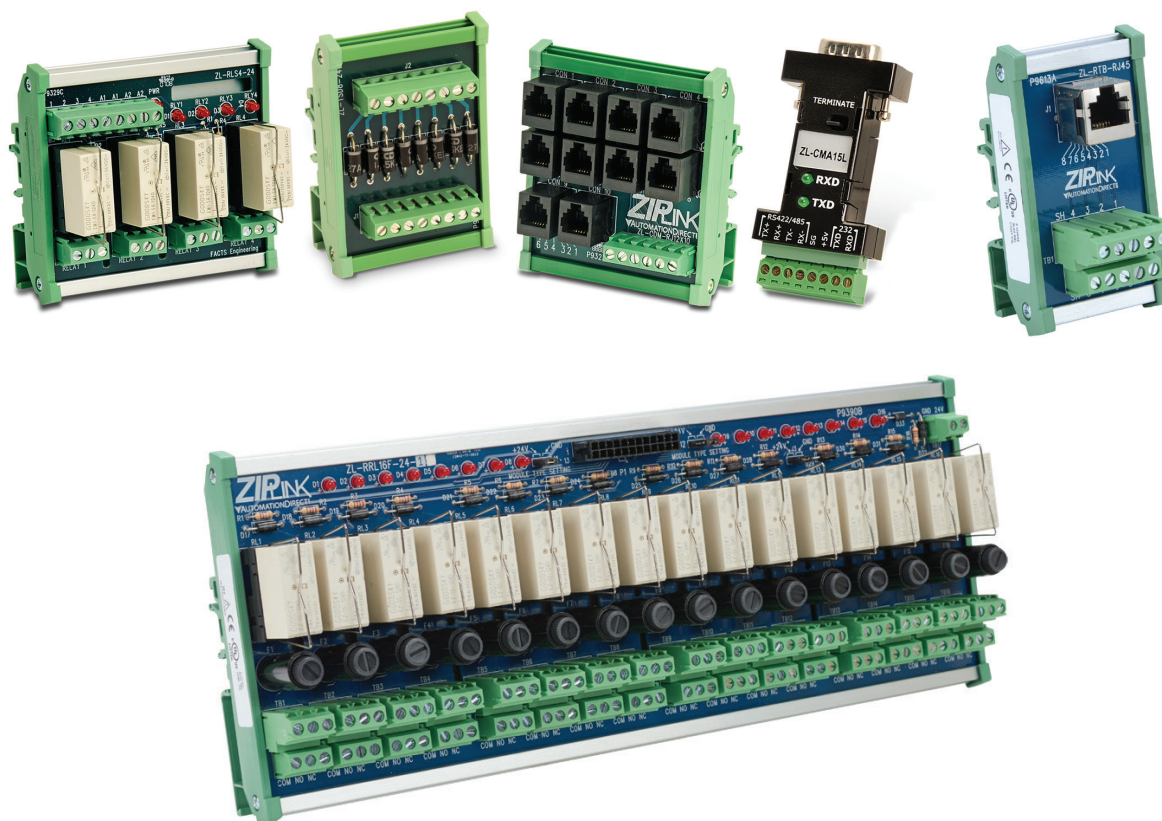
Serial Communication

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				
D2-230	1				
D2-240	1				
	2				
D2-250-1	1				
D2-260, D2-262	1				
D2-DCM	1		25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2
D3-350	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
	2	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
D3-DCM	1	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
D4-430	1	15-pin D-sub, Female	15-pin Male D-sub to Female D-sub	ZL-DB15-CBL-2	ZL-RTB-DB15
	2	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
D4-440	1	15-pin D-sub, Female	15-pin Male D-sub to Female D-sub	ZL-DB15-CBL-2	ZL-RTB-DB15
	2	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
D4-450, 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-TSD8-24	ZL-DB9-CBL-2
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	
	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-RRL16HDF-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-RRL16HDF-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

