

AutomationDirect Controllers and ZIPLinks



Modules



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

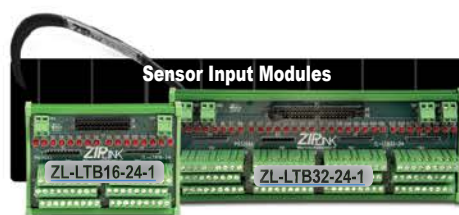


Fuse modules provide a means to add fuse protection to PLC output devices. The 16 and 32 point fuse modules provide easy accessible fuse holders that accept standard 5x20 mm fuses. Fuses not included.



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

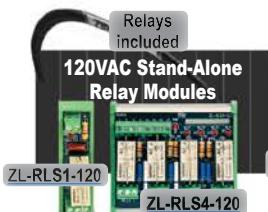
Our DC-powered relay module provides isolation, switches high current (10A) loads, is offered in 16 points, and includes diode protection to prevent voltage spikes at the relay coil from damaging connected PLC I/O



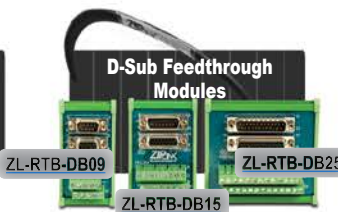
LED modules provide simple and logical termination for 3-wire sensors or other devices. These modules offer visual LED indication of device input status for quick troubleshooting. The LED/sensor modules are available in 16 and 32-point versions.



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.





Wiring Solutions

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.



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

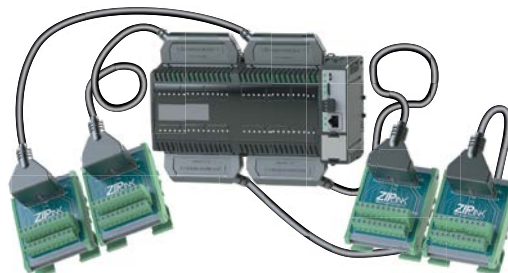


Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

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
<i>BX-08ND3</i>	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BXEM-CBL10 ZL-BXEM-CBL10-1 ZL-BXEM-CBL10-2	1
<i>BX-08NF3</i>			
<i>BX-08NA</i>			
<i>BX-08NB</i>			
<i>BX-08TD1</i>			
<i>BX-08TD2</i>			
<i>BX-08TR**</i>			
<i>BX-08TRZ**</i>			
<i>BX-08TA</i>			
<i>BX-08CD3R**</i>			

* 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
<i>BX-12ND3</i>	ZL-RTB20 (Standard) OR ZL-RTB20-1 (Compact)	ZL-BXEM-CBL15 ZL-BXEM-CBL15-1 ZL-BXEM-CBL15-2	1
<i>BX-12NA</i>			
<i>BX-12NB</i>			
<i>BX-12TD1</i>			
<i>BX-12TD2</i>			
<i>BX-12TR**</i>			
<i>BX-05TRS</i>			
<i>BX-12TA</i>			
<i>BX-12CD3D1</i>			
<i>BX-12CD3D2</i>			

* 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
<i>BX-HS104</i>	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
<i>BX-04ADM-1</i>	<u>ZL-RTB20</u> (Standard) OR <u>ZL-RTB20-1</u> (Compact)	ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	1
<i>BX-04AD-1</i>			
<i>BX-04AD-2B</i>			
<i>BX-08AD-1</i>			
<i>BX-08AD-2B</i>			
<i>BX-08AD-3</i>		<u>ZL-BXEM-CBL10</u>	
<i>BX-04DA-1</i>		ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	
<i>BX-04DA-2B</i>			
<i>BX-08DA-1</i>			
<i>BX-08DA-2B</i>			
<i>BS-08DA-3</i>		<u>ZL-BXEM-CBL10</u>	
<i>BX-16DA-1</i>		ZL-BXEM-CBL20 ZL-BXEM-CBL20-1 ZL-BXEM-CBL20-2	
<i>BX-16DA-2B</i>			
<i>BX-2AD2DA-1</i>			
<i>BX-4AD2DA-1</i>			
<i>BX-2AD2DA-2B</i>			
<i>BX-4AD2DA-2B</i>	<u>ZL-BXEM-CBL10</u>		
<i><u>BX-4AD4DA-3</u></i>			
<i>BX-04THM</i>	Temperature Input modules are not supported by the ZIPLink wiring system.		
<i>BX-08THM</i>			
<i>BX-06RTD</i>			
<i>BX-08NTC</i>			
<i>BX-4THM4DA-1</i>			
<i>BX-4RTD4DA-1</i>			

* 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

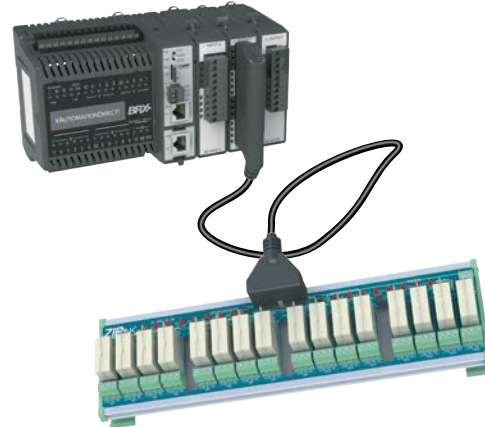


Note: In each table below select the length of cable as follows: (Blank) = 0.5 m, -1 = 1.0 m, -2 = 2.0 m.

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		Feedthrough		
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				

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

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	1
	Feedthrough	ZL-RTB40	ZL-D24-CBL40-1	
BX-32TD1	Feedthrough	(Standard)	ZL-D24-CBL40-2	
BX-32TD2		OR ZL-RTB40-1 (Compact)	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.
C0-00DD1-D	20	Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20 ZL-C0-CBL20-1 ZL-C0-CBL20-2
C0-00DD2-D				
C0-00DR-D				
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.
<u>C0-10DD1E-D</u>	20	Feedthrough	<u>ZL-RTB20</u> (-1)	<u>ZL-C0-CBL20</u> <u>ZL-C0-CBL20-1</u> <u>ZL-C0-CBL20-2</u>
<u>C0-10DD2E-D</u>				
<u>C0-10DRE-D</u>				
<u>C0-10ARE-D</u>				
<u>C0-11DD1E-D</u>				
<u>C0-11DD2E-D</u>				
<u>C0-11DRE-D</u>				
<u>C0-11ARE-D</u>				
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
		Sensor	ZL-LTB16-24-1	ZL-C0-CBL20-1
		Feedthrough	ZL-RTB20 (-1)	ZL-C0-CBL20-2
C0-16NE3		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
C0-16CDD2				ZL-C0-CBL20-1
				ZL-C0-CBL20-2
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.
<i>C0-04AD-1</i>	11	Feedthrough	<i>ZL-RTB20</i> (-1)	<i>ZL-C0-CBL11</i>
<i>C0-04AD-2</i>				<i>ZL-C0-CBL11-1</i> <i>ZL-C0-CBL11-2</i>
<i>C0-04RTD</i>	20	No ZIPLinks are available for RTD and thermocouple modules.		
<i>C0-04THM</i>	11			
<i>C0-04DA-1</i>	11	Feedthrough	<i>ZL-RTB20</i> (-1)	<i>ZL-C0-CBL11</i>
<i>C0-04DA-2</i>				<i>ZL-C0-CBL11-1</i> <i>ZL-C0-CBL11-2</i>
<i>C0-4AD2DA-1</i>	20			<i>ZL-C0-CBL20</i> <i>ZL-C0-CBL20-1</i> <i>ZL-C0-CBL20-2</i>
<i>C0-4AD2DA-2</i>				

CLICK CPU Discrete Output Module ZIPLink Selector				
I/O Output Module	ZIPLink			
	# of Terms	Component	Module Part No.	Cable Part No.
<u>C0-08TD1</u>	11	Feedthrough	<u>ZL-RTB20</u> (-1)	<u>ZL-C0-CBL11</u>
<u>C0-08TD2</u>				<u>ZL-C0-CBL11-1</u>
<u>C0-08TR</u>				<u>ZL-C0-CBL11-2</u>
<u>C0-08TA</u>				
<u>C0-16TD1</u>	20	Feedthrough		<u>ZL-C0-CBL20</u> <u>ZL-C0-CBL20-1</u> <u>ZL-C0-CBL20-2</u>
		Fuse	<u>ZL-RFU20</u> ²	
		Relay (sinking)	<u>ZL-RRL16-24-1</u> <u>ZL-RRL16W-24-1</u> <u>ZL-RRL16F-24-1</u>	
Feedthrough		<u>ZL-RTB20</u> (-1)		
Fuse		<u>ZL-RFU20</u> ²		
<u>C0-16TD2</u>		Relay (sourcing)	<u>ZL-RRL16-24-2</u> <u>ZL-RRL16W-24-2</u> <u>ZL-RRL16F-24-2</u>	
		Feedthrough	<u>ZL-RTB20</u> (-1)	
<u>C0-04TRS</u> 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-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
<u>F0-04AD-1</u>	8	These modules are not supported by the ZIPLink wiring system.		
<u>F0-04AD-2</u>				
<u>F0-08ADH-1</u>	13	Feedthrough	<u>ZL-RTB20</u> (-1)	<u>ZL-D0-CBL13</u>
<u>F0-08ADH-2</u>				
<u>F0-04DAH-1</u>				
<u>F0-08DAH-1</u>				
<u>F0-04DAH-2</u>				
<u>F0-08DAH-2</u>				
<u>F0-2AD2DA-2</u>	8	These modules are not supported by the ZIPLink wiring system.		
<u>F0-4AD2DA-1</u>				
<u>F0-4AD2DA-2</u>				
<u>F0-04RTD</u>	Matched Only	These modules are not supported by the ZIPLink wiring system.		
<u>F0-04THM</u>				

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
		Relay (sinking)	ZL-RRL16-24-1	ZL-D0-CBL24-1
			ZL-RRL16F-24-1	ZL-D0-CBL24-2
D0-10TD2	13	Feedthrough	ZL-RTB20 (-1)	ZL-D0-CBL13
D0-16TD2	24	Feedthrough	ZL-RTB20 (-1)	
		Fuse	ZL-RFU20 2	ZL-D0-CBL24
		Relay (sourcing)	ZL-RRL16-24-2	ZL-D0-CBL24-1
			ZL-RRL16W-24-2 ZL-RRL16F-24-2	ZL-D0-CBL24-2
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.



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 – 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-RTB20 (-1)	ZL-D2-CBL19 ZL-D2-CBL10-1 ZL-D2-CBL10-2
		Sensor	ZL-LTB16-24-1	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	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X
D2-32ND3-2 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	45 deg conn: ZL-D24-CBL40-X ZL-D24-CBL40-1X
D2-08NA-1	10	Feedthrough	ZL-RTB20 (-1)	ZL-D2-CBL10 ZL-D2-CBL10-1 ZL-D2-CBL10-2
D2-08NA-2	10			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 *
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
<u>F2-04AD-1</u>	10	Feedthrough	<u>ZL-RTB20</u> (-1)	<u>ZL-D2-CBL10</u> <u>ZL-D2-CBL10-1</u> <u>ZL-D2-CBL10-2</u>
<u>F2-08AD-1</u>				
<u>F2-04AD-2</u>				
<u>F2-08AD-2</u>				
<u>F2-02DA-1</u>				
<u>F2-02DA-1L</u>				<u>ZL-D2-CBL19</u> <u>ZL-D2-CBL19-1</u> <u>ZL-D2-CBL19-2</u>
<u>F2-02DAS-1</u>				
<u>F2-08DA-1</u>				
<u>F2-02DA-2</u>				
<u>F2-02DA-2L</u>				
<u>F2-02DAS-2</u>				<u>ZL-D2-CBL10</u> <u>ZL-D2-CBL10-1</u> <u>ZL-D2-CBL10-2</u>
<u>F2-08DA-2</u>				
<u>F2-4AD2DA</u>				
<u>F2-8AD4DA-1</u>				
<u>F2-8AD4DA-2</u>				
	19			<u>ZL-D2-CBL19</u> <u>ZL-D2-CBL19-1</u> <u>ZL-D2-CBL19-2</u>
<u>F2-04RTD</u>	Matched Only	These modules are not supported by the ZIPLink wiring system		
<u>F2-04THM</u>				



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

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				

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.
<u>D4-08ND3S</u>	20	See Note 3		
<u>D4-16ND2</u>				
<u>D4-16ND2F</u>				
<u>D4-32ND3-1</u> ²	40	Feedthrough	<u>ZL-RTB40</u> (-1)	straight conn: <u>ZL-D24-CBL40</u> <u>ZL-D24-CBL40-1</u> <u>ZL-D24-CBL40-2</u>
		Sensor	<u>ZL-LTB32-24-1</u>	
<u>D4-64ND2</u> ^{1,2}		Feedthrough	<u>ZL-RTB40</u> (-1)	45 deg conn: <u>ZL-D24-CBL40-X</u> <u>ZL-D24-CBL40-1X</u>
		Sensor	<u>ZL-LTB32-24-1</u>	
<u>D4-08NA</u>	11	See Note 3		
<u>D4-16NA</u>	20			
<u>D4-16NA-1</u>				
<u>D4-16NE3</u>				
<u>F4-08NE3S</u>				

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	See Note 3		
F4-08THM-n ³				
F4-08RTD ³	Matched Only			

DL405 PLC Output Module ZIPLink Selector				
PLC	ZIPLink			
Output Module	# of Terms	Component	Module Part No.	Cable Part No.
<u>F4-08TD1S</u>	20	See Note 3		
<u>D4-16TD1</u>	20			
<u>D4-16TD2</u>				
<u>D4-32TD1</u> ²	40	Feedthrough	<u>Feedthrough</u> <u>ZL-RTB40</u> (-1)	straight conn: <u>ZL-D24-CBL40</u> <u>ZL-D24-CBL40-1</u> <u>ZL-D24-CBL40-2</u>
<u>D4-32TD1-1</u> ²		Fuse		
		Feedthrough		
<u>D4-32TD2</u> ²		Fuse		
		Feedthrough	<u>Fused</u> <u>ZL-RFU40</u> ⁴	<u>45 deg conn:</u> <u>ZL-D24-CBL40-X</u> <u>ZL-D24-CBL40-1X</u>
<u>D4-64TD1</u> ^{1,2}		Fuse		
		Fuse		
<u>D4-08TA</u>	11	See Note 3		
<u>D4-16TA</u>	20			
<u>D4-08TR</u>	11			
<u>F4-08TRS-1</u>	20			
<u>F4-08TRS-2</u>				
<u>D4-16TR</u>				

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: 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.



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 ZL-P1-CBL10-2
P1-16ND3	18			ZL-P1-CBL18
P1-16NE3				ZL-P1-CBL18-1 ZL-P1-CBL18-2
P1-08NA	10			ZL-P1-CBL10
				ZL-P1-CBL10-1 ZL-P1-CBL10-2
P1-08SIM	See Note 1			

Productivity1000 Output Module ZIPLink Selector				
Module	ZIPLink			
Output Module	# of Terms	Component	Part No.	Cable Part No.
<u>P1-08TD1</u>	10	Feedthrough	<u>ZL-RTB20</u> (-1)	<u>ZL-P1-CBL10</u>
<u>P1-08TD2</u>				<u>ZL-P1-CBL10-1</u> <u>ZL-P1-CBL10-2</u>
<u>P1-15TD1</u>	18			<u>ZL-P1-CBL18</u>
<u>P1-15TD2</u>	18			<u>ZL-P1-CBL18-1</u> <u>ZL-P1-CBL18-2</u>
<u>P1-08TA</u>	10			<u>ZL-P1-CBL10</u> <u>ZL-P1-CBL10-1</u> <u>ZL-P1-CBL10-2</u>
<u>P1-08TRS</u> ²	18			<u>ZL-P1-CBL18</u>
<u>P1-16TR</u> ³				<u>ZL-P1-CBL18-1</u> <u>ZL-P1-CBL18-2</u>

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				
P1-08DAL-1				
P1-08DAL-2				

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

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	
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	
P2-32TD1P	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40 ZL-CBL40-1
P2-32TD2P		Feedthrough	ZL-RTB40 (-1)	ZL-CBL40-2
P2-16TR	18	Feedthrough	ZL-RTB20 (-1)	ZL-P2-CBL18 ZL-P2-CBL18-1
		Fuse	ZL-RTB20 ²	ZL-P2-CBL18-2

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

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	<u>ZL-RTB20</u> (-1)	<u>ZL-P2-CBL18</u> <u>ZL-P2-CBL18-1</u> <u>ZL-P2-CBL18-2</u>
<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			<u>ZL-P2-CBL24</u> <u>ZL-P2-CBL24-1</u> <u>ZL-P2-CBL24-2</u>
<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	<u>ZL-RTB20</u> (-1)	<u>ZL-P2-CBL18</u> <u>ZL-P2-CBL18-1</u> <u>ZL-P2-CBL18-2</u>
<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			<u>ZL-P2-CBL24</u> <u>ZL-P2-CBL24-1</u> <u>ZL-P2-CBL24-2</u>
<u>P2-08DAL-2</u>				
<u>P2-16DA-1</u>				
<u>P2-16DA-2</u>				
<u>P2-16DAL-1</u>	18			<u>ZL-P2-CBL18</u> <u>ZL-P2-CBL18-1</u> <u>ZL-P2-CBL18-2</u>
<u>P2-16DAL-2</u>				
<u>P2-8AD4DA-1</u>	18			<u>ZL-P2-CBL18</u> <u>ZL-P2-CBL18-1</u> <u>ZL-P2-CBL18-2</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-CBL20-2
P3-16ND3		Sensor	ZL-LTB16-24-1	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
P3-32ND3		Sensor	ZL-LTB32-24-1	
P3-64ND3 ¹		Feedthrough	ZL-RTB40 (-1)	
P3-64ND3 ¹		Sensor	ZL-LTB32-24-1	

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

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 ZL-P3-CBL20-2L	
P3-08TRS		Feedthrough		ZL-P3-CBL20 ZL-P3-CBL20-1 ZL-P3-CBL20-2	
P3-16TA		Feedthrough			
P3-16TD1		Fuse	ZL-RFU20 ⁴		
		Feedthrough	ZL-RTB20 (-1)		
		Fuse	ZL-RFU20 ⁴		
		Relay (sinking)	ZL-RRL16-24-1 ZL-RRL16W-24-1 ZL-RRL16F-24-1		
P3-16TD2		Feedthrough	ZL-RTB20 (-1)		ZL-P3-CBL20 ZL-P3-CBL20-1 ZL-P3-CBL20-2
		Fuse	ZL-RFU20 ⁴		
		Relay (sourcing)	ZL-RRL16-24-2 ZL-RRL16W-24-2 ZL-RRL16F-24-2		
		Feedthrough	ZL-RTB20 (-1)		
P3-16TR		Fuse	ZL-RFU20 ⁴		
P3-08TRS-1 3		Feedthrough	ZL-RTB20 (-1)		
	Fuse	ZL-RFU20 ⁴			
P3-32TD1	40	Feedthrough	ZL-RTB40 (-1)	ZL-CBL40 ZL-CBL40-1 ZL-CBL40-2	
		Fuse	ZL-RFU40 ⁴		
		Feedthrough	ZL-RTB40 (-1)		
		Fuse	ZL-RFU40 ⁴		
		Feedthrough	ZL-RTB40 (-1)		
		Fuse	ZL-RFU40 ⁴		
		Feedthrough	ZL-RTB40 (-1)		
		Fuse	ZL-RFU40 ⁴		
		P3-64TD1 1	Feedthrough		ZL-RTB40 (-1)
		P3-64TD2 1	Feedthrough		ZL-RTB40 (-1)
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	
	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	RS-485, 4-Pin					
			P2-SCM						
			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	GS-RJ12-CBL-2	RJ12 to RJ12			
			P3-SCM	Ports 1 to 4					
			CLICK PLCs	Port 2 (RJ12)					
			DL05 PLCs						
			DL06 PLCs						
			D2-262 CPU	Port 2 (HD15)					FA-15HD
			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
			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	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.									



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-EDRV100	RJ12	GS-EDRV-CBL-2	RJ12 to RJ12
			D2-262 CPU								
			ZL-CDM-RJ12Xxx *	RJ12				GS-485RJ12-CBL-2			
			FA-ISOCON	5-pin Connector	GS-ISOCON-CBL-2	RJ12 to 5-pin plug					
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								
			DL06 PLCs	Port 2 (HD15)			SVC-232RJ12-CBL-2	6-pin IEEE to RJ12	FA-15HD		
			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					
			D2-262 CPU		SVC-485RJ12-CBL-2	6-pin IEEE to RJ12					
			ZL-CDM-RJ12Xxx *	RJ12	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											
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			
D2-262 CPU (Port2)											
DL05 PLCs	RJ12	STP-232RJ12-CBL-2									
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.											

* 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.

ZIP^{LINK} Serial Communication

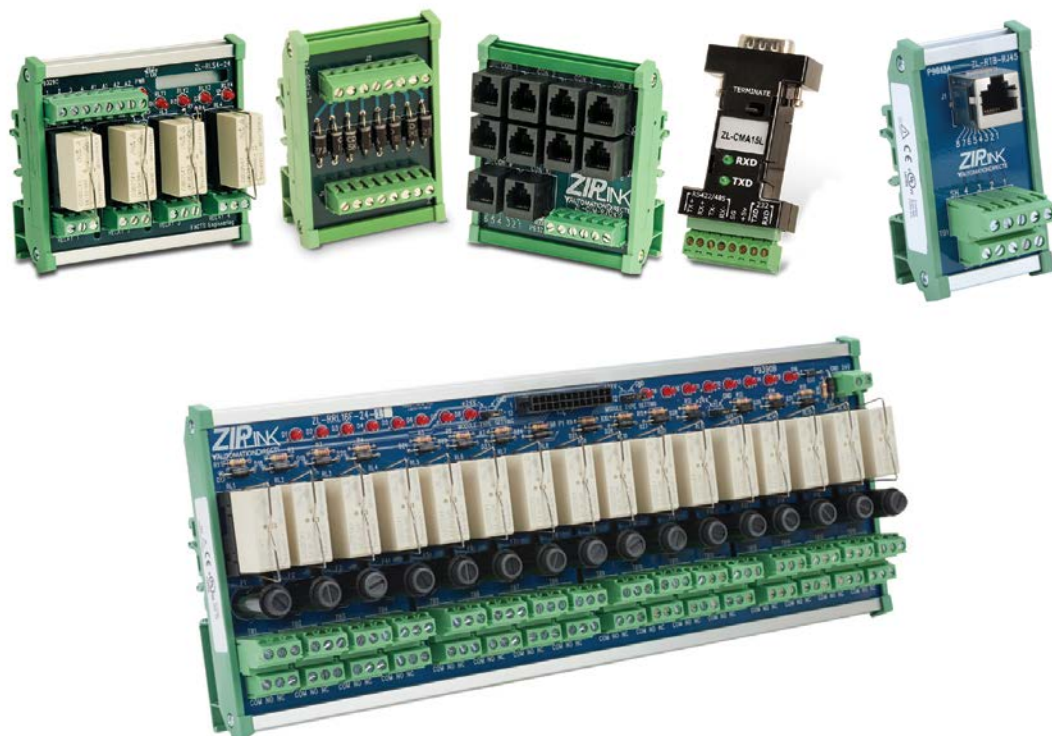
ZIPLink Serial Communication Cable Selector					
PLC			ZIPLink		
PLCs and Comm Modules	Port No.	Comm Port Type	Cable Connector Type	Cable Part No. (2 meter length)	D-Sub and RJ12 Feedthrough Module Part No. (optional)
BRX MPUs	RS232	POM (RJ12)	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
CLICK (Basic, Standard and Analog)	1	RJ12			
	2				
CLICK Ethernet (Basic, Standard)	2				
DL05	1				
	2				
DL06	1				
D0-DCM	1				
D2-262	1				
D2-DCM	1	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
D4-454	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

