

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

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	ZL-D0-CBL13*
D0-10ND3F	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
D0-16ND3	24	Feedthrough	ZL-RTB20	ZL-D0-CBL24*L
		Sensor	ZL-LTB16-24	ZL-D0-CBL24*L
F0-08NA-1	10	Feedthrough	ZL-RTB20	ZL-D0-CBL10*

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	Feedthrough	ZL-RTB20	ZL-D0-CBL10*
D0-08CDD1	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*

DL05/06 PLC Analog Module ZIPLink Selector				
PLC		ZIPLink		
Analog Module	# of Terms	Component	Module	Cable
F0-04AD-1	8	Feedthrough	ZL-RTB20	ZL-D0-CBL8*
F0-04AD-2	8	Feedthrough	ZL-RTB20	ZL-D0-CBL8*
F0-08ADH-1	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
F0-08ADH-2	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
F0-04DAH-1	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
F0-08DAH-1	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
F0-04DAH-2	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
F0-08DAH-2	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
F0-2AD2DA-2	8	Feedthrough	ZL-RTB20	ZL-D0-CBL8*
F0-4AD2DA-1	8	Feedthrough	ZL-RTB20	ZL-D0-CBL8*
F0-4AD2DA-2	8	Feedthrough	ZL-RTB20	ZL-D0-CBL8*
F0-04RTD ²	Matched Only		See Note 2	
F0-04THM ²	Matched Only		See Note 2	



NOTE: ZIPLINK CONNECTOR MODULES 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	ZL-D0-CBL13*
D0-16TD1	24	Feedthrough	ZL-RTB20	ZL-D0-CBL24*
		Fuse	ZL-RFU20 ³	ZL-D0-CBL24*
		Relay (sinking)	ZL-RRL16-24-1	ZL-D0-CBL24*
D0-10TD2	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*
D0-16TD2	24	Feedthrough	ZL-RTB20	ZL-D0-CBL24*
		Fuse	ZL-RFU20 ³	ZL-D0-CBL24*
		Relay (sourcing)	ZL-RRL16-24-2	ZL-D0-CBL24*
D0-08TR	10	Feedthrough	ZL-RTB20	ZL-D0-CBL10*
F0-04TRS ¹	13	Feedthrough	ZL-RTB20	ZL-D0-CBL13*

DL05/06 PLC Fixed I/O ZIPLink Selector				
PLC		ZIPLink		
PLC	# of Terms	Component	Module Part No.	Cable Part No.
DL05	18	Feedthrough	ZL-RTB20	ZL-D05-CBL18*
DL06**	20 (Input side only)	Feedthrough	ZL-RTB20	ZL-D06X-CBL20*
	20 (Output side only)	Feedthrough	ZL-RTB20	ZL-D06Y-CBL20*

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

** Inputs 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 These modules are not supported by the ZIPLink wiring system.

3 **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 = 400 mA per circuit.



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, and specialty 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: DirectLOGIC, CLICK and Productivity3000 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: DirectLOGIC, CLICK and Productivity3000 I/O Modules to 3rd Party Devices

When wanting to connect I/O to another device within close 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.



Solution 4: Serial Communications Cables

ZIPLink offers communications cables for use with *Direct*LOGIC, CLICK, and Productivity3000 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 and RJ12 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.



PLC I/O to 3rd Party Devices ZIPLink Cable Selector				
PLC		ZIPLink		
PLC Family	# of Terms	Number of Wires	Pigtail Cable Part No. †	Length (Replace * with number)
CLICK I/O Modules	11	11	ZL-C0-CBL11-*P	1 = 1 meter, 2 = 2 meters
	20	20	ZL-C0-CBL20*P	
DL05 PLC Fixed I/O	22	22	ZL-D05-CBL22-*P	
DL06 PLC Fixed I/O	24	24	ZL-D06-CBL24*P	
DL05 & DL06 I/O Modules	8	8	ZL-D0-CBL8-*P	
	10	10	ZL-D0-CBL10-*P	
	13	13	ZL-D0-CBL13-*P	
	24	24	ZL-D0-CBL24*P	
DL205 I/O Modules	10	10	ZL-D2-CBL10-*P	
	19	19	ZL-D2-CBL19*P	
	40	40	ZL-D24-CBL40*P	
			ZL-D24-CBL40*XP	
DL405 I/O Modules	20	20	ZL-D4-CBL20-*P	
	40	40	ZL-D24-CBL40*XP	
			ZL-D24-CBL40*P	
Productivity3000 I/O Modules	20	20	ZL-P3-CBL20*P	
	40	40	ZL-P3-CBL40*P	

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



ZPLink Serial Communication Cable Selector					
PLC			ZPLink		
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)
CLICK	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
	2		6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
DL05	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
	2		6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
DL06	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D0-DCM	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D2-230	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D2-240	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
	2		6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D2-250-1	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D2-260	1	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12
D2-DCM	1	25-pin D-sub, Female	25-pin Male D-sub to Female D-sub	ZL-DB25-CBL-2	ZL-RTB-DB25
D3-350	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	15-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	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
P3-550	RS232	RJ12	6-pin RJ12 to RJ12 Crossover	ZL-RJ12-CBL-2	ZL-RTB-RJ12



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	N/A
	Four-Socket Relay	ZL-RLS4-120	
24VDC Transorb	8-Channel	ZL-TSD8-24	N/A
120VAC Transorb	8-Channel	ZL-TSD8-24	N/A
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
Comm Port Adapters	15-pin HD D-Sub to Terminal Block	ZL-CMA15	N/A
	15-pin HD D-Sub to Terminal Block with LED Indicators	ZL-CMA15L	N/A
Comm Distribution	4-Port RJ12 to Terminal Block	ZL-CDM-RJ12X4	N/A
	10-Port RJ12 to Terminal Block	ZL-CDM-RJ12X10	N/A
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



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-CBL24-1P
			ZL-CBL24-2P
	40-pin to Terminal Blocks	ZL-RTB40	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-CBL24-1P
			ZL-CBL24-2P
	16-Relay, Sourcing, 24-pin	ZL-RRL16-24-2	ZL-CBL24-1P
			ZL-CBL24-2P
Sensor Input	16-Point with LEDs	ZL-LTB16-24	ZL-CBL24-1P
			ZL-CBL24-2P
	32-Point with LEDs	ZL-LTB32-24	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

