

Communication between 1756-L62 and 5069-SERIAL

Contents

L62 controller side	1
Compactlogix 5069-SERIAL side	6

L62 controller side



Slot 2

Firmware: 20.019

Programm: L62_mapeado.ACD

Controller Properties - L62

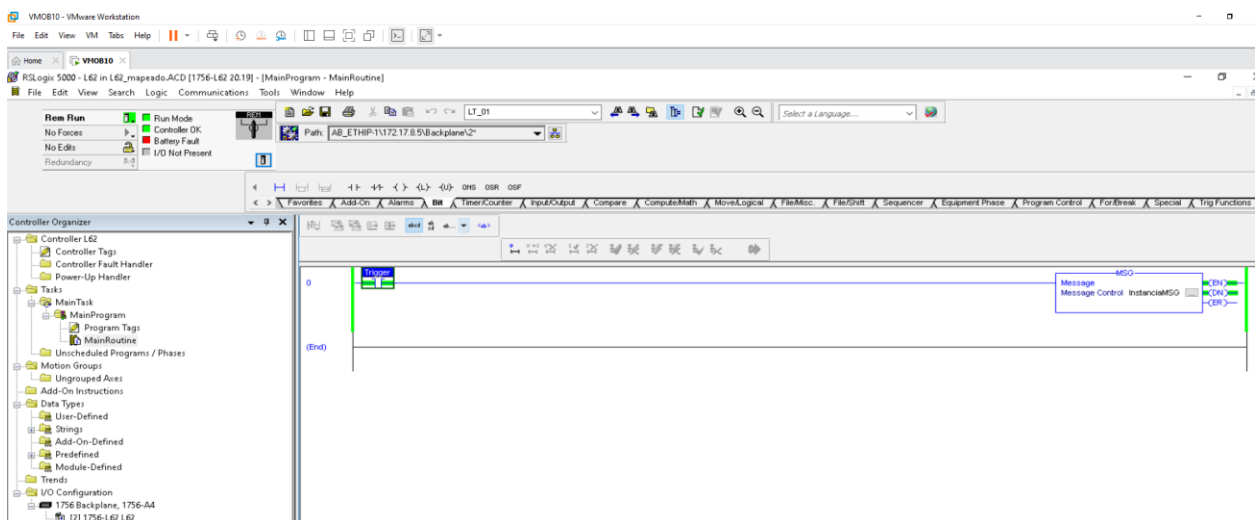
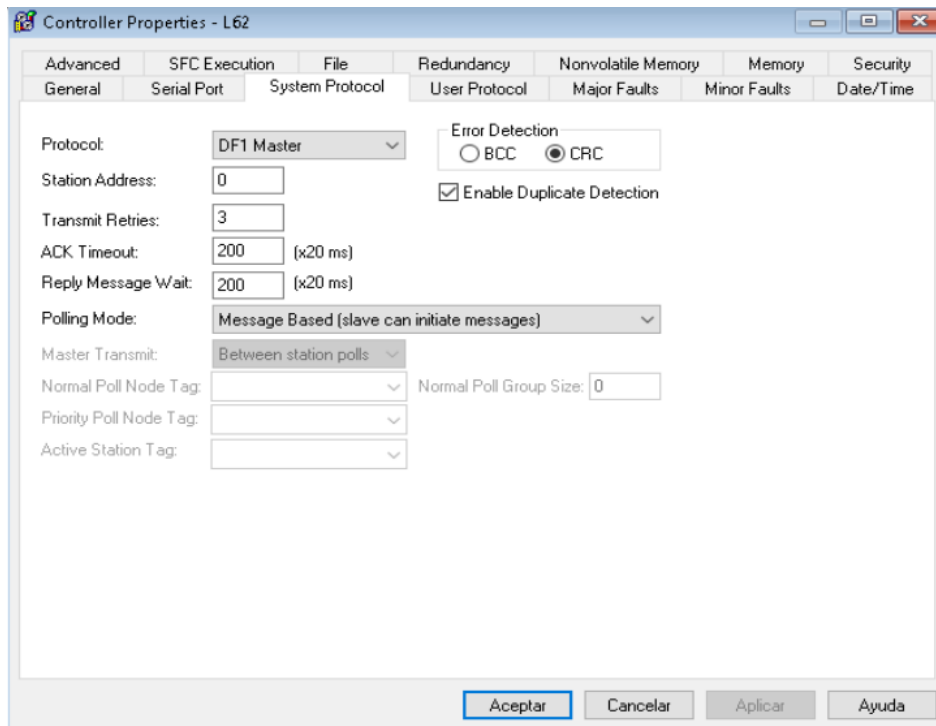
Advanced	SFC Execution	File	Redundancy	Nonvolatile Memory	Memory	Security
General	Serial Port	System Protocol	User Protocol	Major Faults	Minor Faults	Date/Time
Vendor: Rockwell Automation/Allen-Bradley						
Type: 1756-L62 ControlLogix5562 Controller Change Controller...						
Revision: 20.19						
Name: L62						
Description: <div></div>						
Chassis Type: 1756-A4 4-Slot ControlLogix Chassis						
Slot: 2						

Aceptar Cancelar Aplicar Ayuda

Controller Properties - L62

Advanced	SFC Execution	File	Redundancy	Nonvolatile Memory	Memory	Security
General	Serial Port	System Protocol	User Protocol	Major Faults	Minor Faults	Date/Time
Mode: System Show Offline Values						
Baud Rate: 2400						
Data Bits: 8						
Parity: None						
Stop Bits: 1						
Control Line: No Handshake						
<input type="checkbox"/> Continuous Carrier						
RTS Send Delay: 0 (x20 ms)						
RTS Off Delay: 0 (x20 ms)						
DCD Wait Delay: 0 (x1 sec)						

Aceptar Cancelar Aplicar Ayuda



Message Configuration - InstanciaMSG

Configuration Communication Tag

Message Type: PLC5 Typed Read

Source Element: N7:0

Number Of Elements: 10

Destination Element: Serial_data_control[0]

New Tag...

☒ Enable ☐ Enable Waiting ☐ Start ☒ Done Done Length: 10

☐ Error Code: Extended Error Code: ☐ Timed Out

Error Path:

Error Text:

Aceptar Cancelar Aplicar Ayuda

Path, salida por Puerto frontal RS232=2, estación 3

Message Configuration - InstanciaMSG

Configuration Communication Tag

☒ Path:

2, 3

☐ Broadcast:

Communication Method

☒ CIP ☐ DH+ Channel: Destination Link:

☐ CIP With Source ID Source Link: Destination Node: (Octal)

☐ Connected ☒ Cache Connections ☐ Large Connection

☒ Enable ☐ Enable Waiting ☐ Start ☒ Done Done Length: 10

☐ Error Code: Extended Error Code: ☐ Timed Out

Error Path:

Error Text:

Compactlogix 5069-SERIAL side



Programm: Test_serial_compact_mapeado

Logix Designer - Sistec_test_serial_compact in Sistec_test_serial_compact_mapeado.ACD [5069-L320ERMS2 36.11]

File Edit View Search Logic Communications Tools Window Help

Run Mode Controller OK Energy Storage OK I/O OK Path: AB_ETHIP-1[172.17.8.33*]

Rem Run No Forces No Edits Safety Unlocked Favorites Add-On Alarms Bit Timer/Counter Input/Output

Controller Organizer

- Controller Sistec_test_serial_compact
 - Controller Tags
 - Controller Fault Handler
 - Power-Up Handler
 - Tasks
 - MainTask
 - MainProgram
 - Parameters and Local Tags
 - MainRoutine
 - SafetyTask (20 ms)
 - SafetyProgram
 - Unscheduled
 - Motion Groups
 - Alarm Manager
 - Assets
 - Logical Model
 - I/O Configuration
 - 5069 Backplane
 - [0] 5069-L320ERMS2 Sistec_test_serial_compact
 - [1] 5069-OB16F/B Sortides
 - [2] 5069-IB16F/A Entrades
 - [3] 5069-IY4/A Entrades_analogiques
 - [4] 5069-SERIAL/A Serial
 - A1/A2, Ethernet
 - 5069-L320ERMS2 Sistec_test_serial_compact

Safety ID <none>

Safety Updated <none>

Controller Tags - Sistec_test_serial_compact(controller)

Scope: Sistec_test_serial Show: All Tags

Name	Value	Force Mask	Style	Data Type	Class
Local1:C	(...)	(...)	(...)	AB:5000_DO16...	Standard
Local1:I	(...)	(...)	(...)	AB:5000_DO16...	Standard
Local1:O	(...)	(...)	(...)	AB:5000_DO16...	Standard
Local2:C	(...)	(...)	(...)	AB:5000_DI16:C:0	Standard
Local2:I	(...)	(...)	(...)	AB:5000_DI16:I:0	Standard
Local3:C	(...)	(...)	(...)	AB:5000_AI4C:I:0	Standard
Local3:I	(...)	(...)	(...)	AB:5000_AI4C:I:0	Standard
Local3:O	(...)	(...)	(...)	AB:5000_AI4:O:0	Standard
Serial_data_compact	(...)	(...)	Decimal	INT[10]	Standard
Serial_data_compact[0]	10		Decimal	INT	Standard
Serial_data_compact[1]	2		Decimal	INT	Standard
Serial_data_compact[2]	3		Decimal	INT	Standard
Serial_data_compact[3]	4		Decimal	INT	Standard
Serial_data_compact[4]	4		Decimal	INT	Standard
Serial_data_compact[5]	4		Decimal	INT	Standard
Serial_data_compact[6]	5		Decimal	INT	Standard
Serial_data_compact[7]	6		Decimal	INT	Standard
Serial_data_compact[8]	7		Decimal	INT	Standard
Serial_data_compact[9]	8		Decimal	INT	Standard
Local4:I1	(...)	(...)	(...)	AB:5000_DF1:I:0	Standard

Logix Designer - Sistec_test_serial_compact in Sistec_test_serial_compact_mapeado.ACD [5069-L320ERMS2 36.11]

File Edit View Search Logic Communications Tools Window Help

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 - [0] 5069-L320ERMS2 Sistec_test_serial_compact
 - [1] 5069-OB16F/B Sortides
 - [2] 5069-IB16F/A Entrades
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 - [4] 5069-SERIAL/A Serial
 - A1/A2, Ethernet
 - 5069-L320ERMS2 Sistec_test_serial_compact

Module Properties: Local:4 (5069-SERIAL 2.012)

General

Type: 5069-SERIAL 2 Channel Serial Interface

Vendor: Rockwell Automation/Allen-Bradley

Parent: Local

Name: Serial Slot: 4

Description:

Module Definition

Series: A

Revision: 2.012

Electronic Keying: Compatible Module

Connection: Data

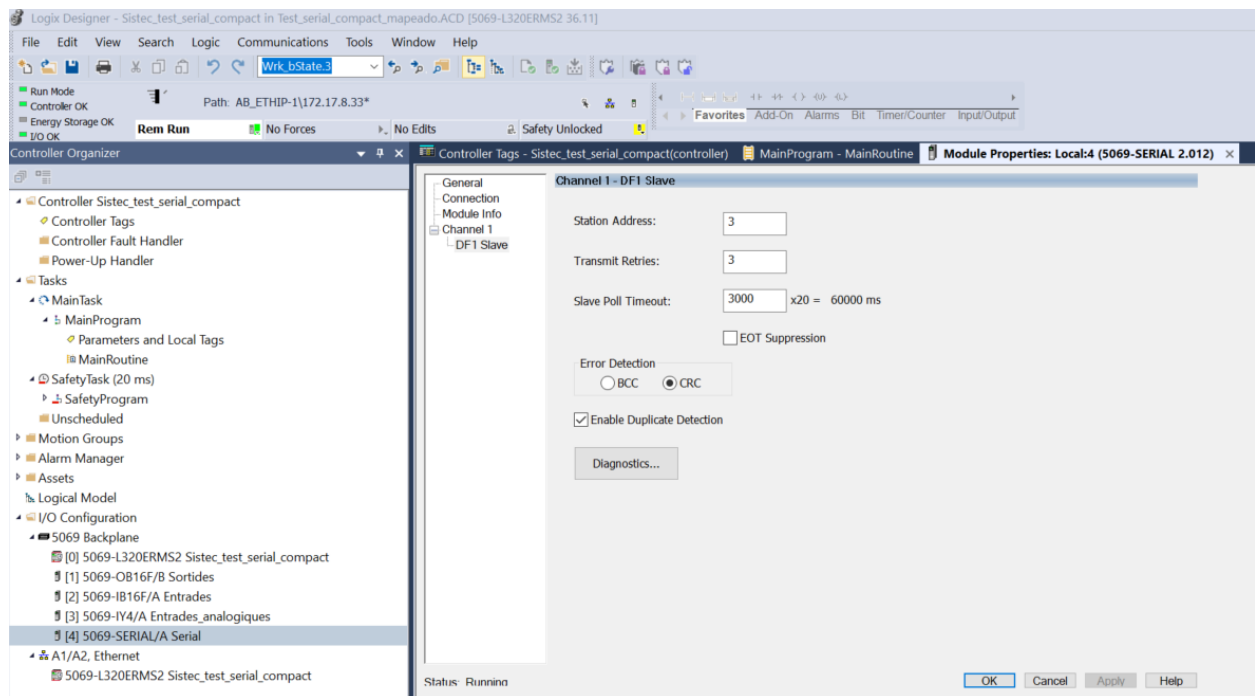
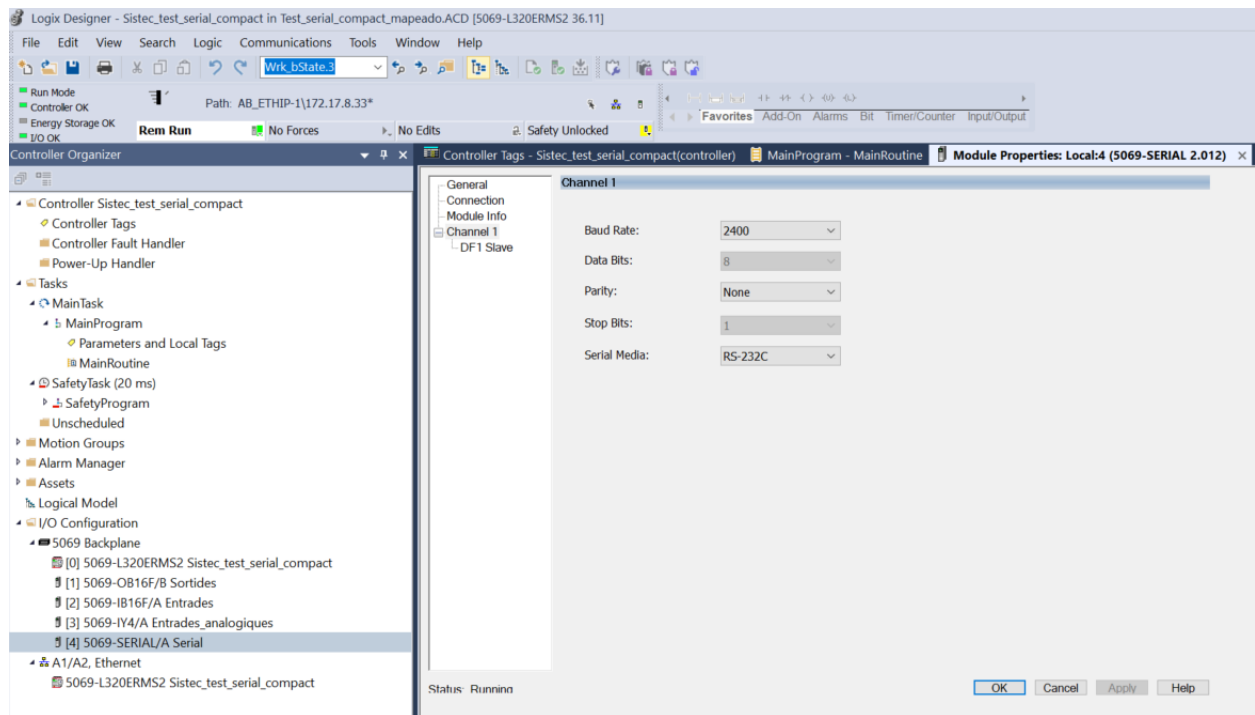
Channel 0: Disabled

Channel 1: DF1 Slave

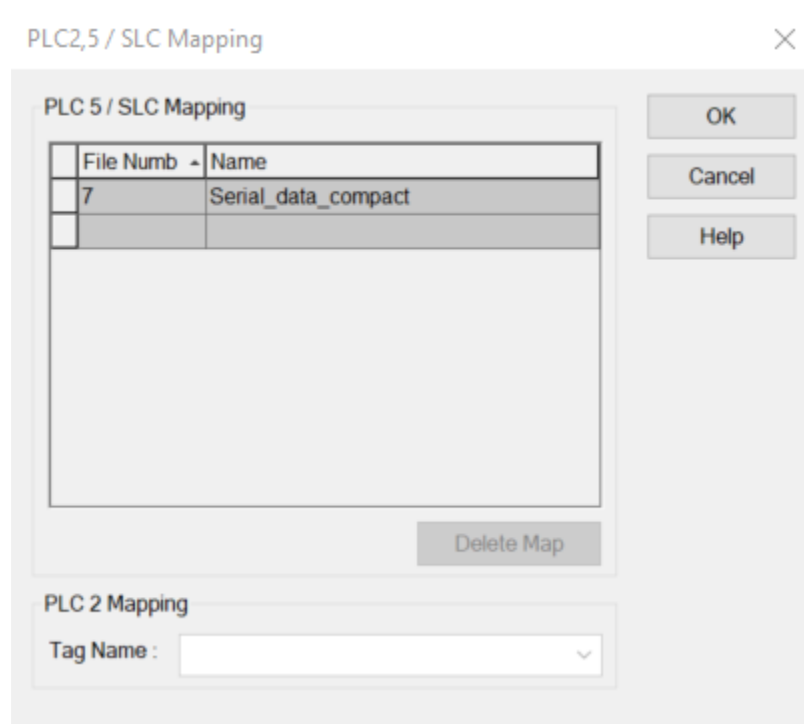
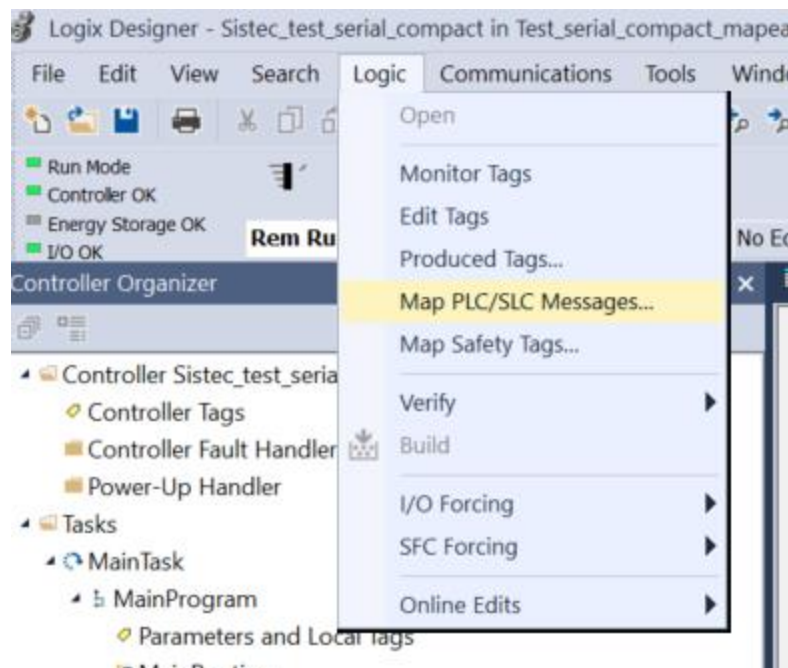
Change ...

Status: Running

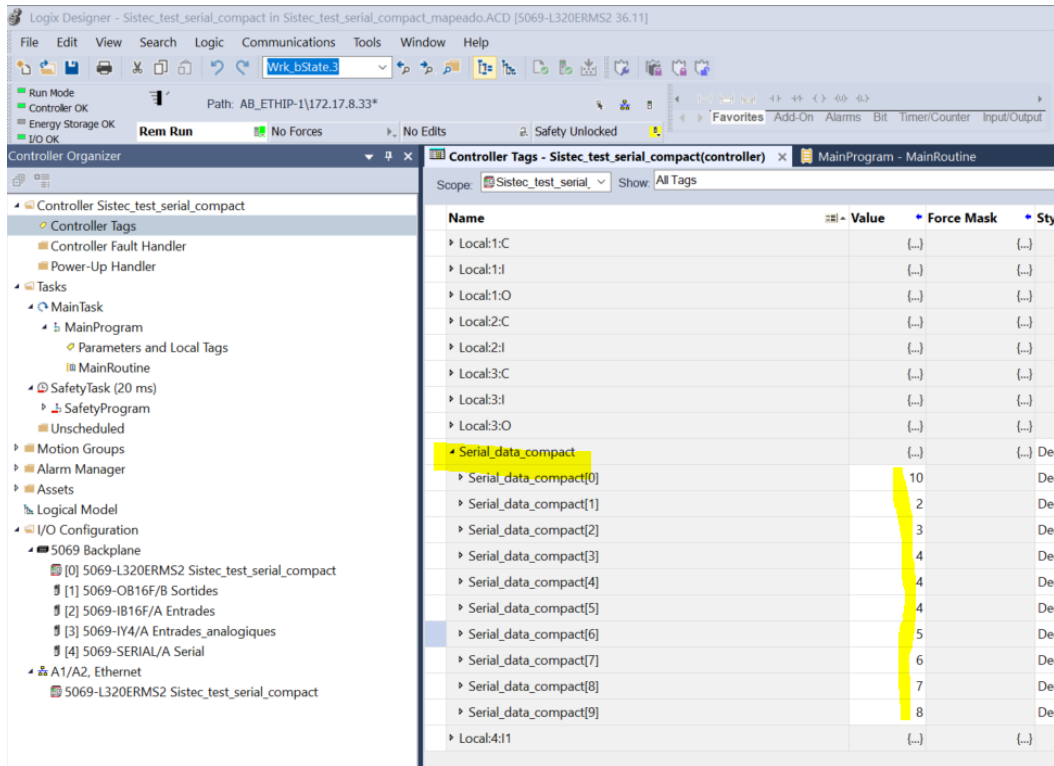
OK Cancel Apply Help



Memory Mapping to N7:0

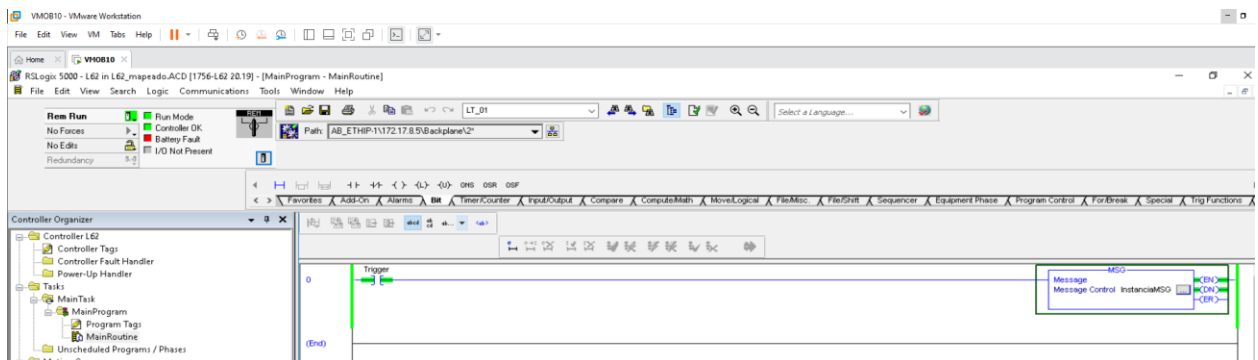


Voilà



Toggle bit

And wait until done



VMOB10 - VMware Workstation

File Edit View VM Tabs Help

Home Home VMOB10

RSLogix 5000 - L62 in L62_mapeado.ACD [1756-L62 20.19] - [Controller Tags - L62(controller)]

File Edit View Search Logic Communications Tools Window Help

Run Run Run Mode
No Forces Controller OK
No Edits Battery Fault
Redundancy I/O Not Present

Path: AB_ETHIP-1\172.17.8.5\Backplane\2

Scope: L62 Show: All Tags

Name	Value	Force Mask	Style	Data Type
+ InstanciaMSG	(...)	(...)		MESSAGE
- Serial_data_control	(...)	(...)	Decimal	INT[10]
+ Serial_data_control[0]	10		Decimal	INT
+ Serial_data_control[1]	2		Decimal	INT
+ Serial_data_control[2]	3		Decimal	INT
+ Serial_data_control[3]	4		Decimal	INT
+ Serial_data_control[4]	4		Decimal	INT
+ Serial_data_control[5]	4		Decimal	INT
+ Serial_data_control[6]	5		Decimal	INT
+ Serial_data_control[7]	6		Decimal	INT
+ Serial_data_control[8]	7		Decimal	INT
+ Serial_data_control[9]	8		Decimal	INT

Controller Organizer

- Controller L62
 - Controller Tags
 - Controller Fault Handler
 - Power-Up Handler
- Tasks
 - MainTask
 - MainProgram
 - Program Tags
 - MainRoutine
 - Unscheduled Programs / Phases
- Motion Groups
 - Ungrouped Axes
- Add-On Instructions
 - Data Types
 - User-Defined
 - Strings
 - Add-On-Defined
 - Predefined
 - Module-Defined
 - Trends
- I/O Configuration
 - 1756 Backplane, 1756-A4
 - [2] 1756-L62 L62