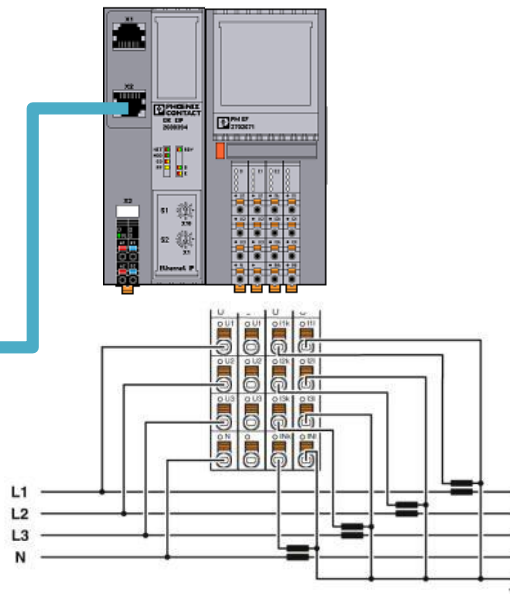


# Guia de Configuração

## CLP L35E e Remota AXL EIP + Cartão de Energia



EtherNet/IP

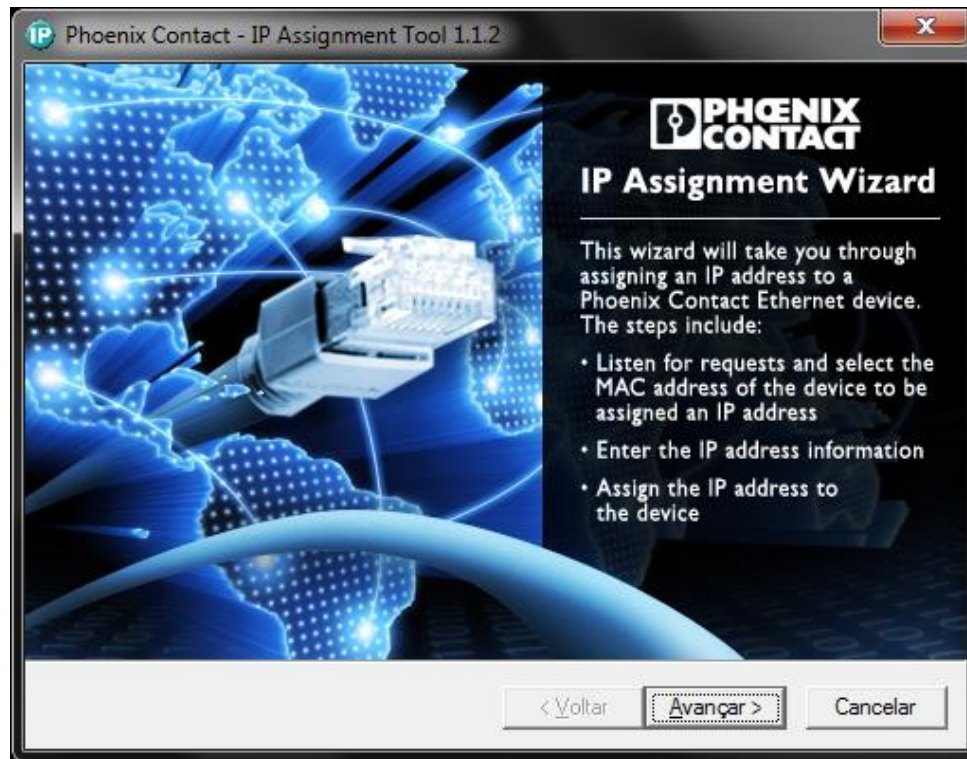


# Procedimento para restar configuração e IP e ativar o modo BootP

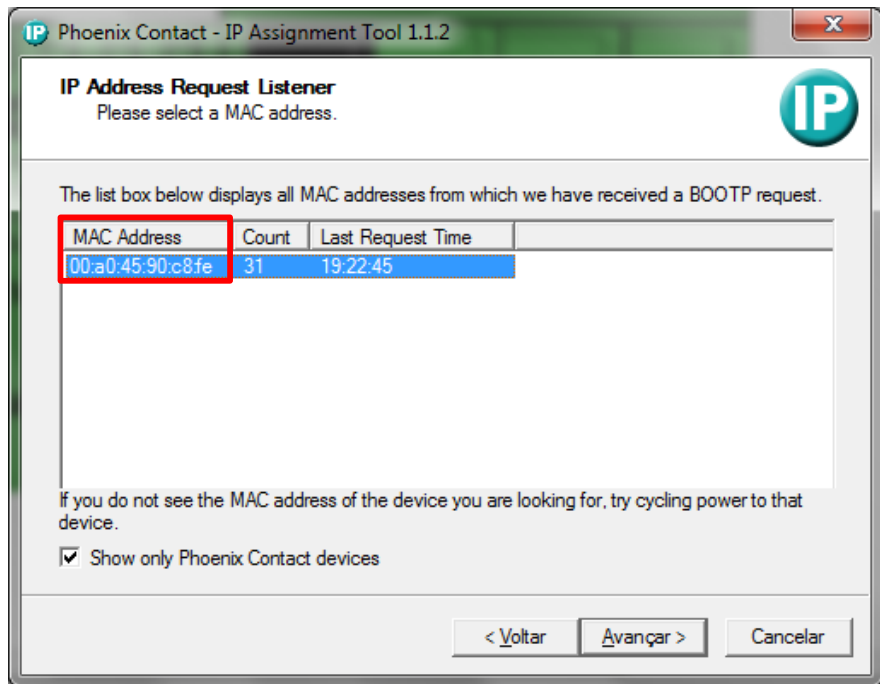


1. Energize o dispositivo com 24VDC;
2. Utilize um objeto pontiagudo ex: clips;
3. Com o dispositivo energizado, pressione o botão de reset durante 6s;
4. Ainda mantendo o botão pressionado, desligue e sem seguida ligue novamente o dispositivo;
5. Mantenha pressionado ainda por mais 6s e posteriormente solte;
6. Pronto, abra o software de BootP e atribua o IP desejado;

# Configuração do IP da REMOTA via software IP Assignment Tool



# Configuração do IP da REMOTA via software IP Assignment Tool



# Configuração do IP da REMOTA via software IP Assignment Tool

IP Phoenix Contact - IP Assignment Tool 1.1.2

**Set IP Address**  
Please specify an IP address to use.

This PC's IP address: 192.168.15.5

Please specify the IP address to be used below.

Selected MAC address: 00:a0:45:90:c8:fe

IP address: 192 . 168 . 0 . 5

Subnet mask: 255 . 255 . 255 . 0

Default gateway: 0 . 0 . 0 . 0

WARNING: this address is in a different Subnet.  
Once you have entered a valid IP address, click Next.

< Voltar Avançar > Cancelar

IP Phoenix Contact - IP Assignment Tool 1.1.2

**Congratulations**  
The wizard has assigned the IP address to the device.

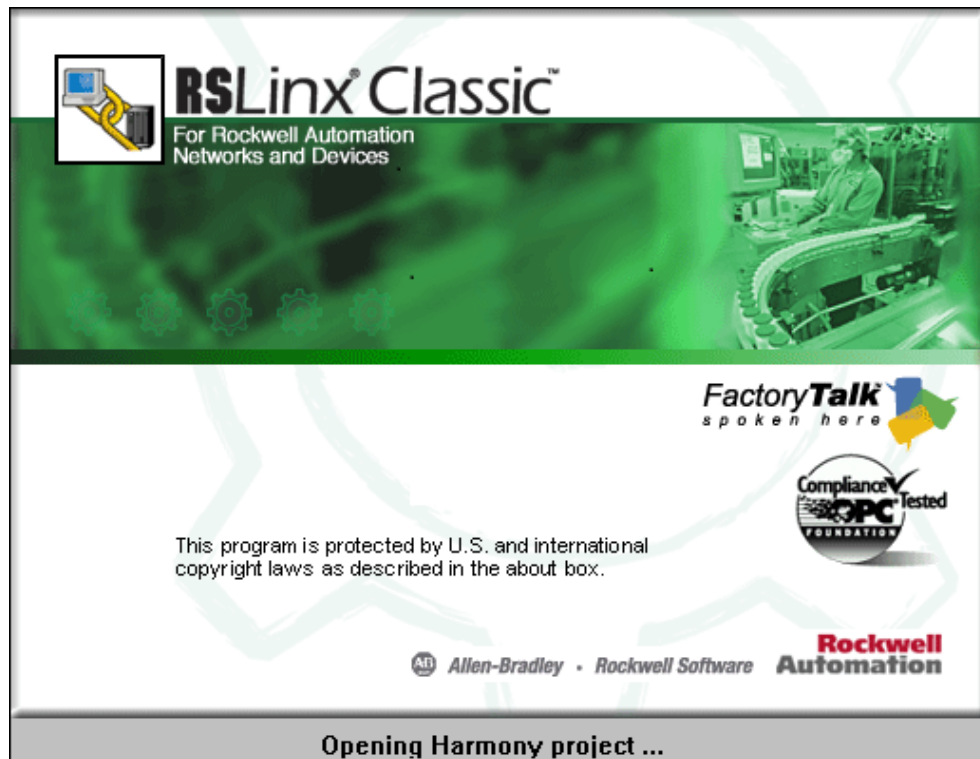
Successfully assigned MAC address:  
00:a0:45:90:c8:fe

the following:  
IP address: 192.168. 0 . 5  
Subnet mask: 255.255.255.0  
Default gateway: 0.0.0.0

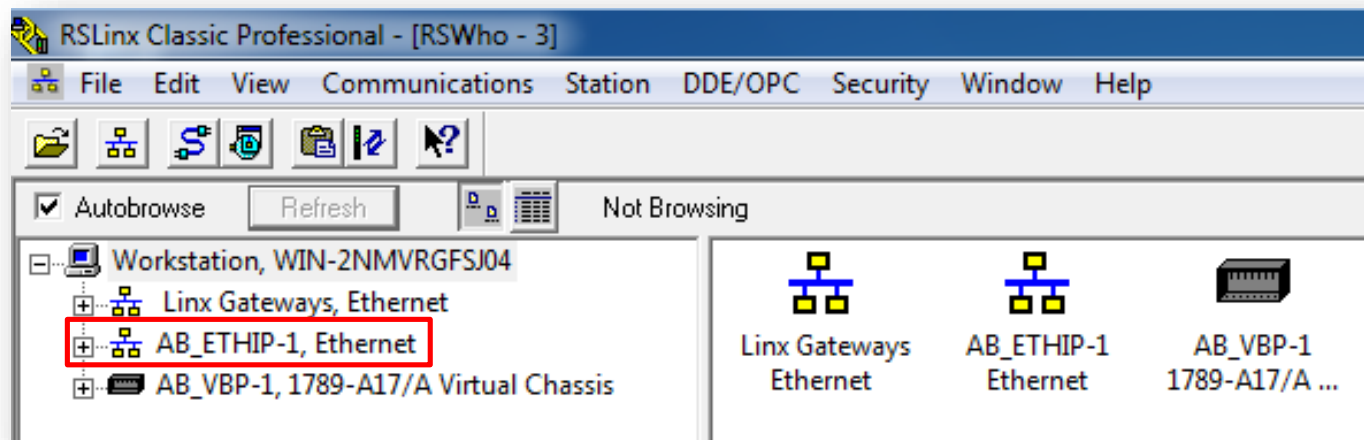
Click Finish to exit, or click Back to assign another IP address.

< Voltar Concluir

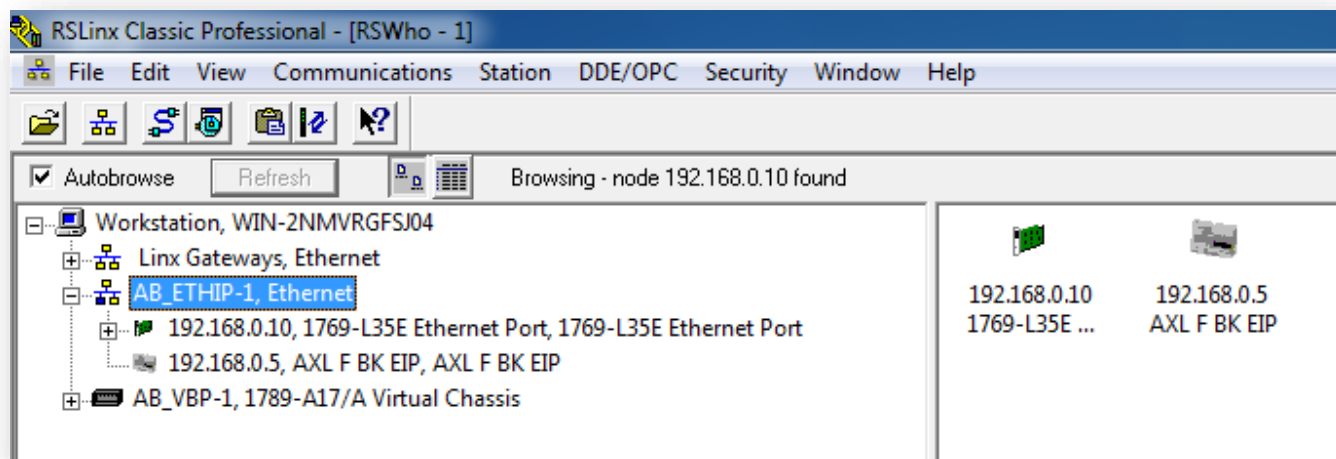
O RSLinx identifica os dispositivos na rede e mostra seus status.



O RSLinx identifica os dispositivos na rede e mostra seus status.



O RSLinx identifica os dispositivos na rede e mostra seus status.





# Leitura de parâmetros e configurações da REMOTA via browser

192.168.0.5/index.html#home.html

Deutsch English

**PHENIX CONTACT**

Device Name: AXL F BK EIP  
Location: unknown

HW: 03 FW: 1.10  
MAC: 00:a0:45:90:ca:a0

**AXL F BK EIP**  
**2688394**



Quick Setup

+ Information

+ Diagnostics

- EtherNet/IP

I/O Assembly Table

+ Configuration


+ Administration



The image shows a Phoenix Contact AXL F BK EIP device, a compact industrial Ethernet switch. It features three RJ45 ports labeled X1, X2, and X3. X1 and X2 are labeled 'LINK ACT'. X3 is a multi-colored port. The device has a label with 'PHENIX CONTACT', 'SW: EIP', '2688394', and 'EtherNet/IP'. It also has two status LEDs labeled S1 and S2.

# Configurações de parâmetros da REMOTA via browser

AXL F BK EIP  
2688394



Quick Setup

Information

Diagnostics

EtherNet/IP

I/O Assembly Table

Configuration

Ethernet Port

IP Settings

Startup Behaviour

Administration

## Quick Setup

### IP Settings

IP Address Setting Mode	Static IP Address
IP Address	192.168.0.5
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.10

Para desabilitar a função BootP e mantém o IP estático

### Plug and Play

Plug and Play Mode	<input checked="" type="checkbox"/> Run in plug and play mode after next restart
--------------------	--

### System Identification

Device Name	AXL F BK EIP
System Description	EtherNet/IP bus terminal
Location	unknown
Contact	unknown

### Password


Enter New Password	
Re-Enter New Password	
Enter Old Password	

Se desejar alterar a senha de administrador de dispositivo.  
Senha padrão: private

Apply and Restart

# Configurações de parâmetros da REMOTA via browser

**AXL F BK EIP**  
2688394



Quick Setup

+ Information

- Diagnostics

Bus Coupler

Local Bus

- EtherNet/IP

I/O Assembly Table

- Configuration

Ethernet Port

IP Settings

**Startup Behaviour**

+ Administration

## Startup Behaviour

### Plug and Play Mode

The plug and play mode enables local bus modules connected in the field to be started up using the bus coupler without a higher-level computer. For more information about this please refer to the data sheet. Enabling plug and play mode becomes active after a restart of the device. Disabling it takes effect immediately. You have to disable (uncheck the checkbox) plug and play mode before communication via process data is possible.

#### Plug and Play Mode

☐ Run in plug and play mode after next restart

#### Enter Password

### Parameterization of I/O Modules

When plug and play mode is deactivated, the bus coupler checks the parameterization of the I/O modules as well as the bus configuration. If the parameterization file (config.svc) contains no parameter and the bus configuration has been changed (e.g., module replacement), the bus coupler prevents process data from being written. The error is indicated by the CO LED (yellow on).

Modify the parameterization as appropriate and acknowledge this. The bus coupler will then enable the output of process data.

#### Status


#### Enter Password

O modo Plug&Play deve estar ATIVO somente na configuração inicial para a identificação automática de todos os cartões de IO acoplado no barramento.

Posteriormente este modo deve ser desativado para que o CLP mestre consiga ler e escrever nos IO.

# EtherNet/IP I/O Assembly Table

**AXL F BK EIP**  
**2688394**



[Quick Setup](#)

[+ Information](#)

[- Diagnostics](#)

[Bus Coupler](#)  
[Local Bus](#)

[- EtherNet/IP](#)

**[I/O Assembly Table](#)**

[- Configuration](#)

[Ethernet Port](#)  
[IP Settings](#)  
[Startup Behaviour](#)

[+ Administration](#)

## EtherNet/IP I/O Assembly Table

This list consists of an actual EtherNet/IP Processdata Assembly assignment.

No.	Product Name	Product Text	Location	Equipment Identifier	EtherNet/IP I/O Assembly	
					Input	Output
0	AXL F BK EIP	EtherNet/IP bus terminal	unknown	-	Instance: 110 Size: 66 Byte	Instance: 100 Size: 66 Byte
1	AXL F PM EF 1F	1 power measurement input			Word 0 ... 31	-
2	AXL F DI8/1 DO8/1 1H	8 digital inputs, adjustable filter, 8 digital outputs			Word 32	Word 32

**Cartões acoplados ao barramento Axioline**

Tamanho de memória a ser reservada para a REMOTA no RS Logix5000.

# Configurações via dip switch



## Rotary Encoding Switches

The following rotary encoding switch positions are possible:

S1

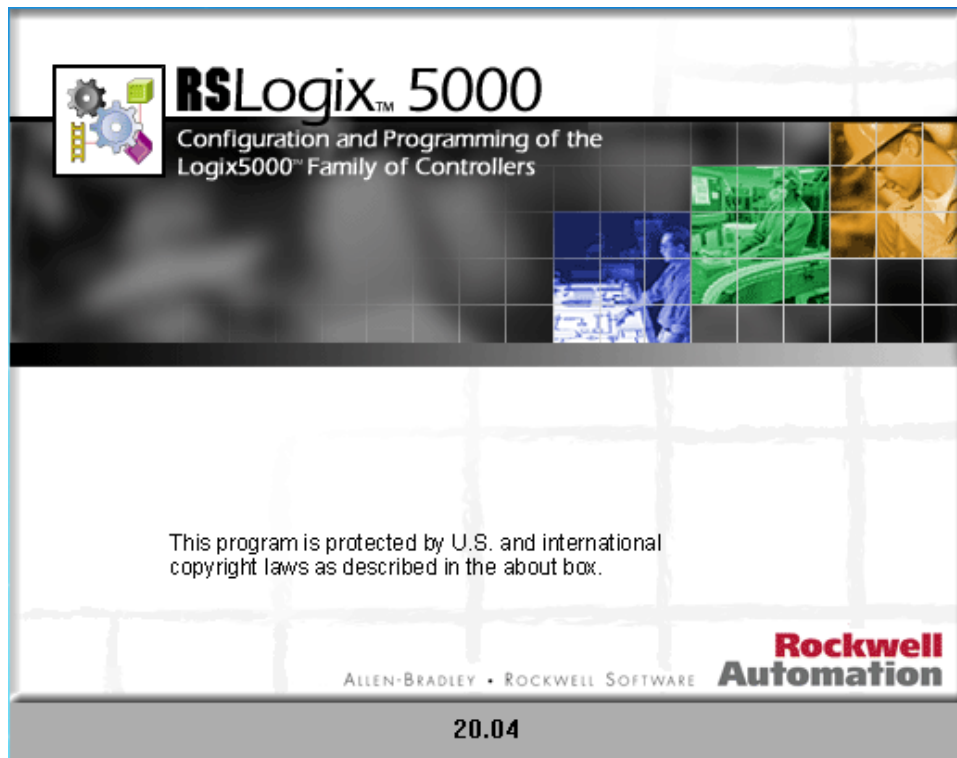
x10

S2

x1

S1	S2	Code	Function
0	0	00	Remote access (default)
0...5	1...0	01...50	Manual IP address assignment
5...15	0...9	51...159	DHCP name assignment
0	A	0A	Static IP address
0	E	0E	Resetting IP parameters
1	A	1A	Activate plug and play mode
1	B	1B	Deactivate plug and play mode
12	C	12C	Resetting to the default settings
Other			Reserved

# Iniciar o projeto no RS Logix5000



# Iniciar o projeto no RS Logix5000

Selecionar o modelo da CPU  
e versão de firmware

New Controller

Vendor: Allen-Bradley

Type: 1769-L32E CompactLogix5332E Controller

Revision: 20

☐ Redundancy Enabled

Name:

Description:

Chassis Type: <none>

Slot: 0 Safety Partner Slot: <none>

Create In: C:\RSLogix 5000\Projects

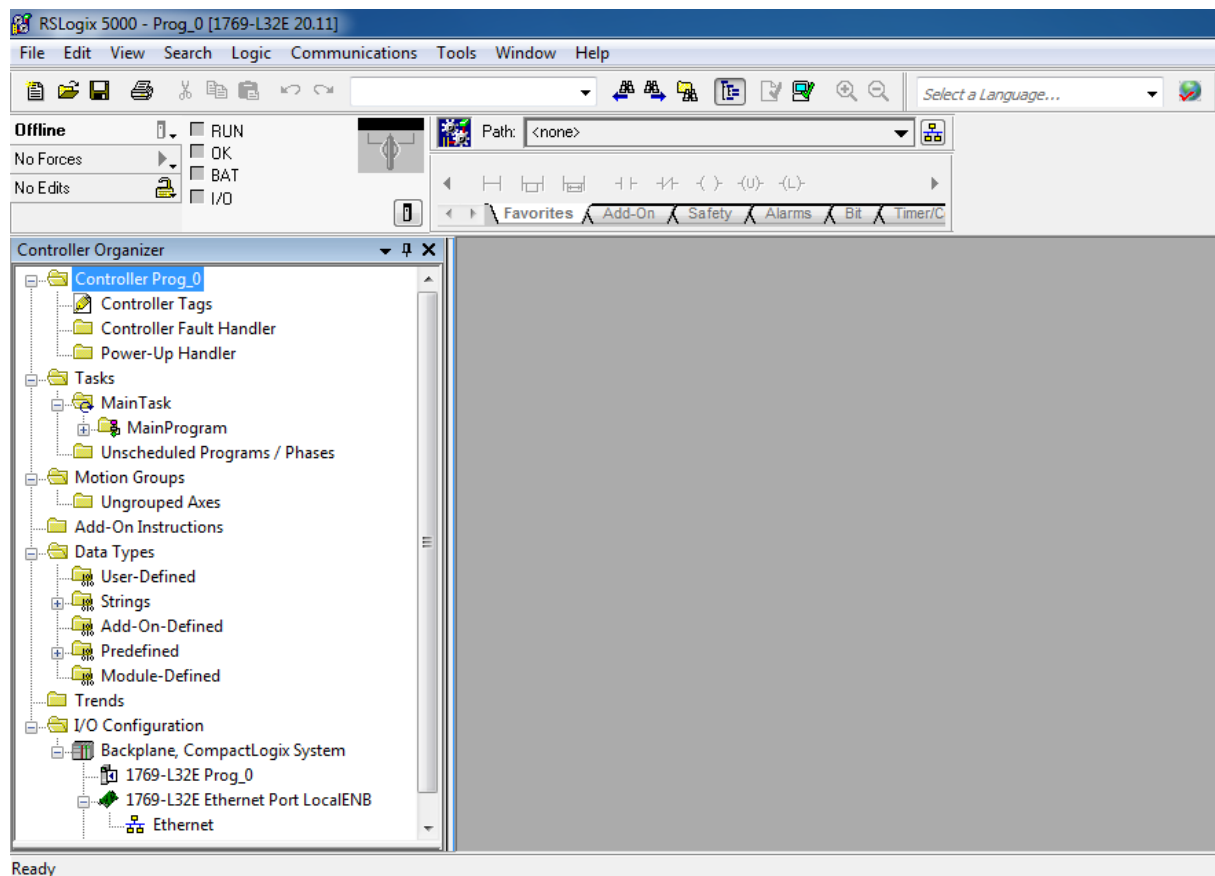
Security Authority: No Protection

☐ Use only the selected Security Authority for Authentication and Authorization

OK Cancel Help Browse...

Local onde será salvo o projeto

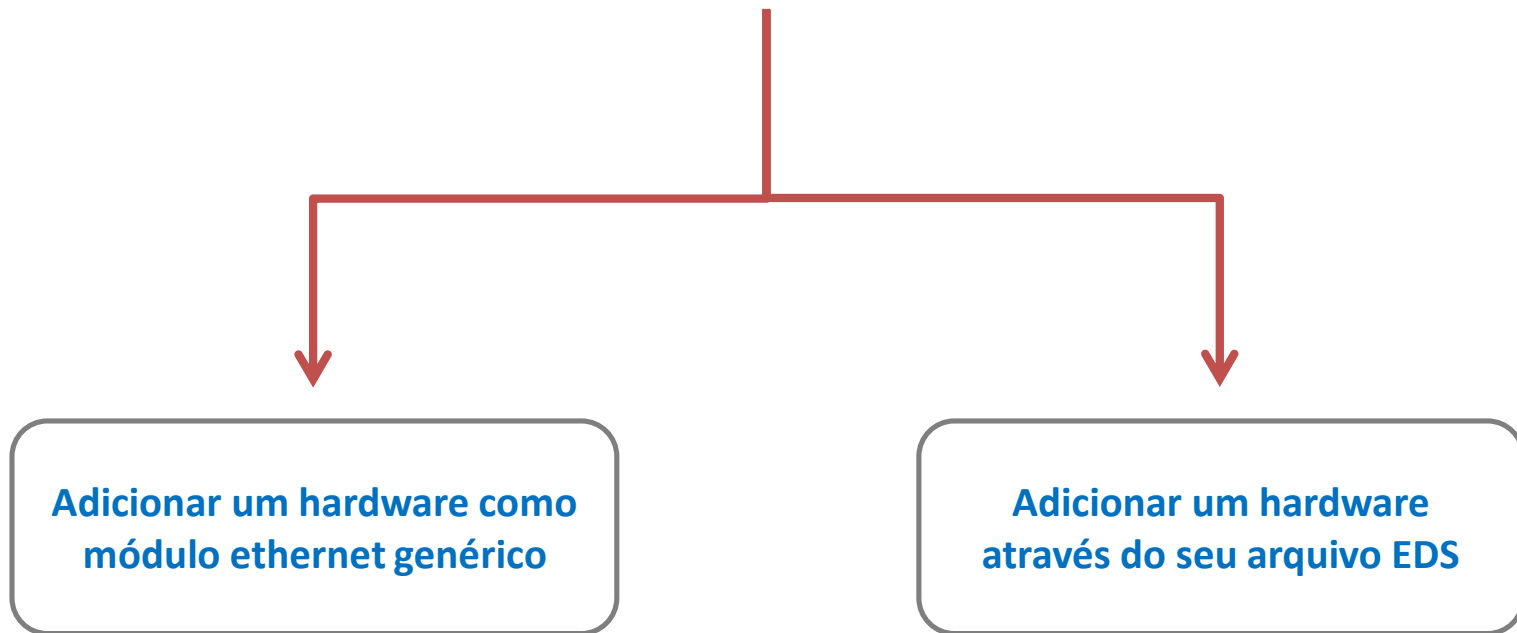
# Iniciar o projeto no RS Logix5000





# Existem duas formas de adicionar a REMOTA a arquitetura do projeto

## IL EIP BK DI8 DO4 2TX-PAC

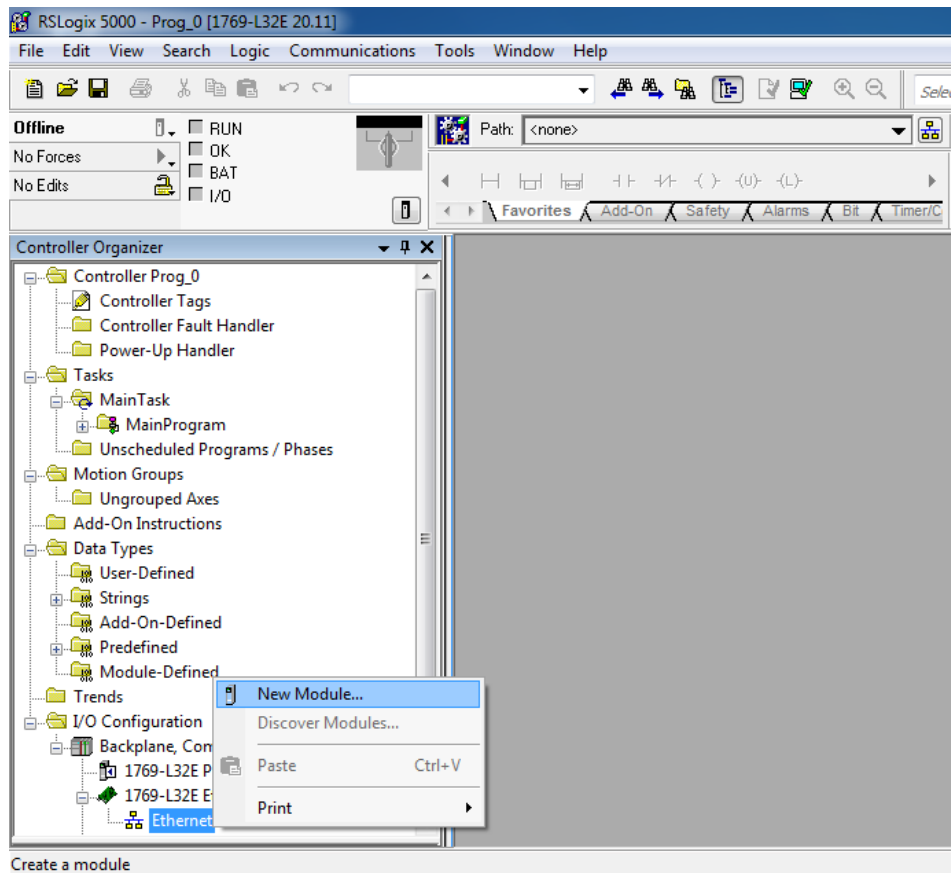


# Existem duas formas de adicionar a REMOTA a arquitetura do projeto AXL F BK EIP

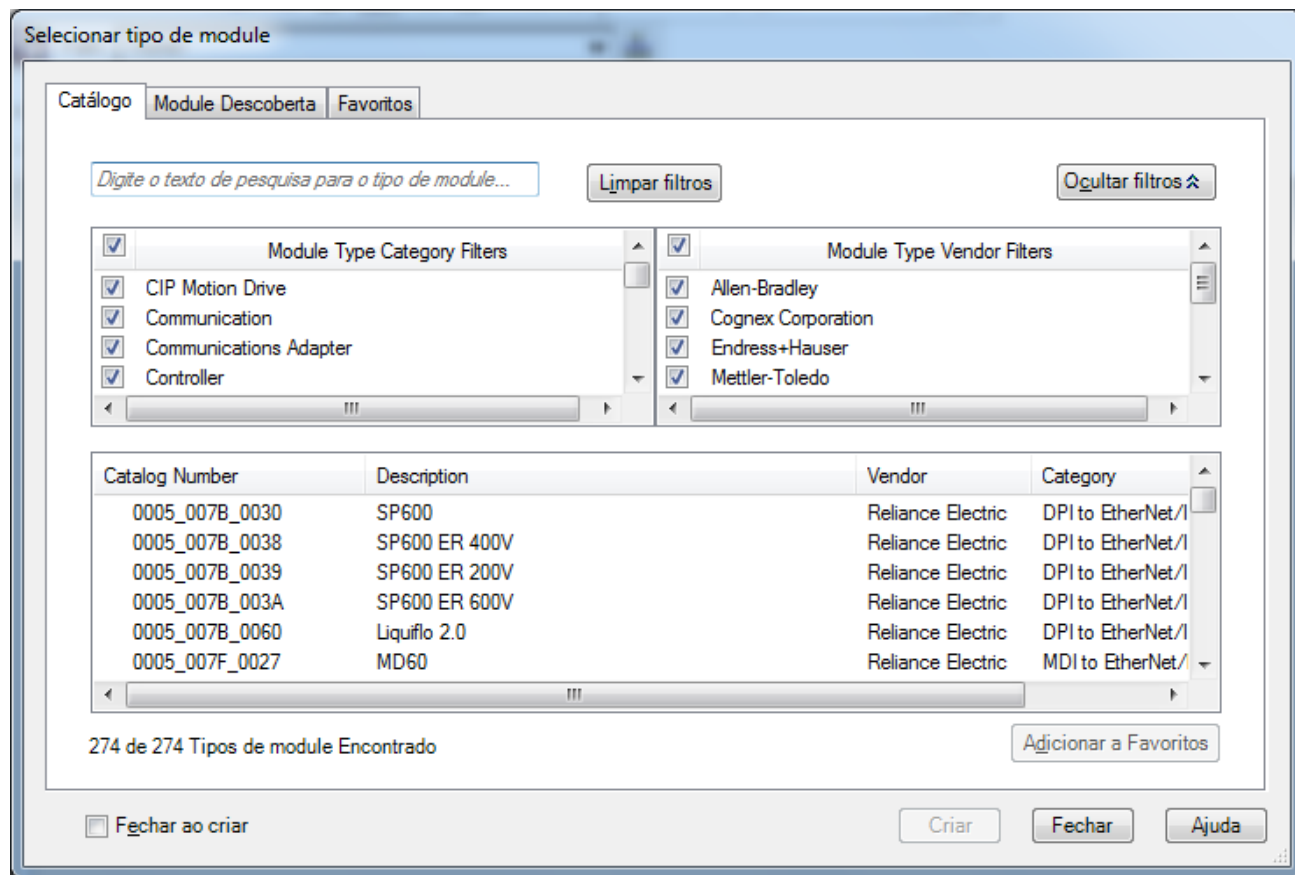


Adicionar um hardware como  
módulo ethernet genérico

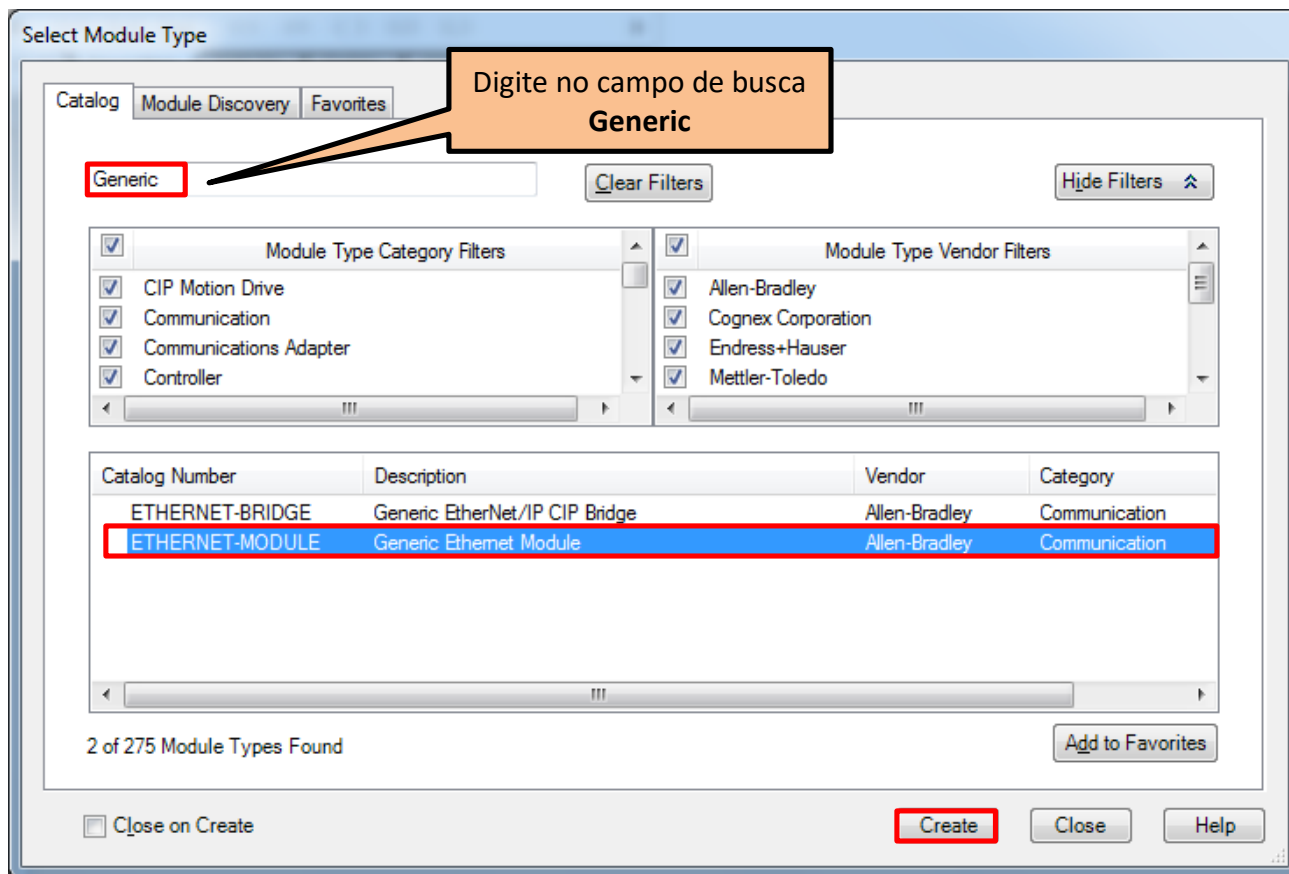
# Adicionar a REMOTA como módulo ethernet genérico



# Adicionar a REMOTA como módulo ethernet genérico



# Adicionar a REMOTA como módulo ethernet genérico



# Adicionar a REMOTA como módulo ethernet genérico

**New Module**

Type: ETHERNET-MODULE Generic Ethernet Module  
Vendor: Allen-Bradley  
Parent: LocalENB

Name: REMOTA\_EIP

Description:

Comm Format: Data - SINT

Address / Host Name

☒ IP Address: 192 . 168 . 0 . 5

☐ Host Name:

☐ Open Module Properties

Connection Parameters

	Assembly Instance:	Size:	
Input:	110	66	(8-bit)
Output:	100	66	(8-bit)
Configuration:	1	0	(8-bit)

Status Input:

Status Output:

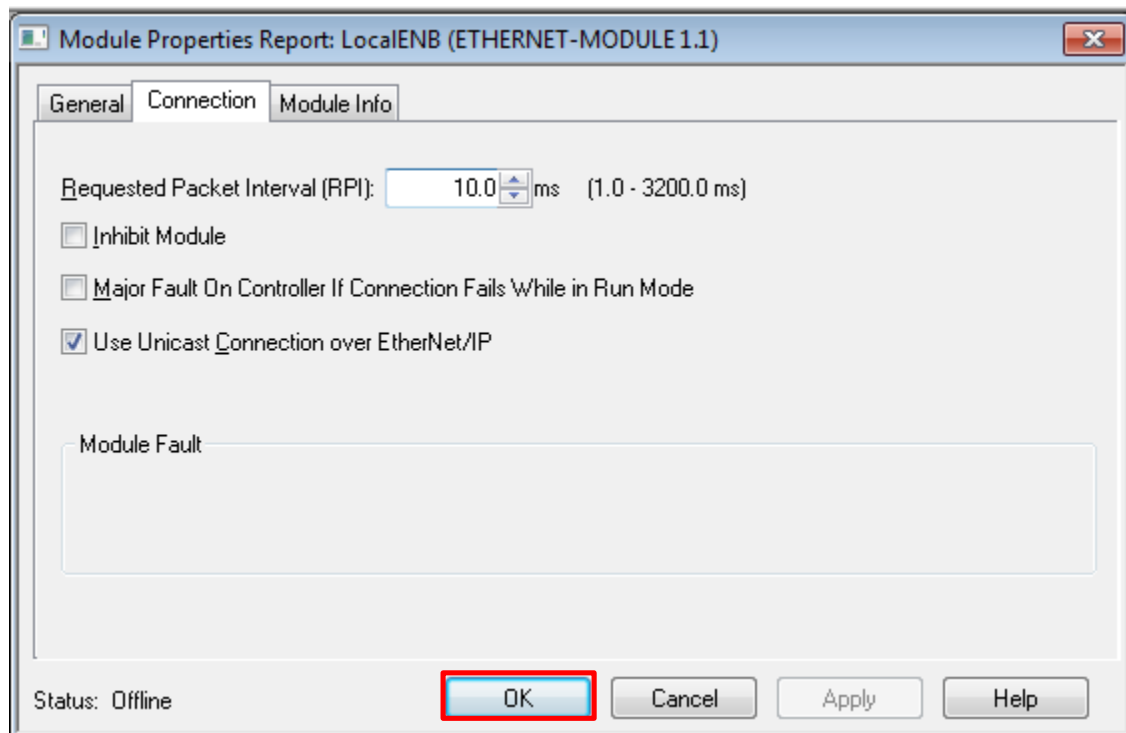
OK Cancel Help

EtherNet/IP I/O Assembly	
Input	Output
Instance: 110	Instance: 100
Size: 66 Byte	Size: 66 Byte

Reserva de memória necessária para dados de entrada e saída.

**Configurar conforme visualizado na pagina web da REMOTA.**

# Adicionar a REMOTA como módulo ethernet genérico



# Existem duas formas de adicionar a REMOTA a arquitetura do projeto AXL F BK EIP



Adicionar um hardware  
através do seu arquivo EDS



# Baixar o arquivo EDS da REMOTA para ser importado no RSLogix5000

## Acoplador de Bus - AXL F BK EIP - 2688394



Axioline F, Acoplador Bus, EtherNet/IP™, Suporte RJ45, velocidade de transmissão no bus local: 100 MBit/s, grau de proteção: IP20, inclusive módulo de soquete de bus e conector Axioline F

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[Dados técnicos](#)

[Acessórios](#)

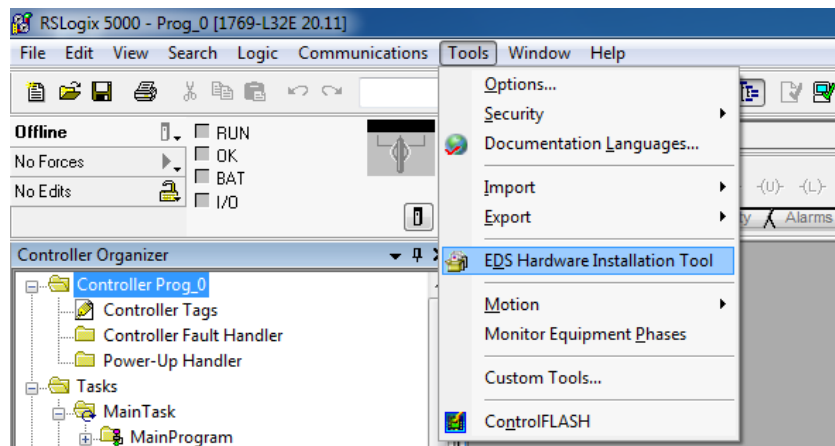
[Certificações](#)

[Downloads](#)

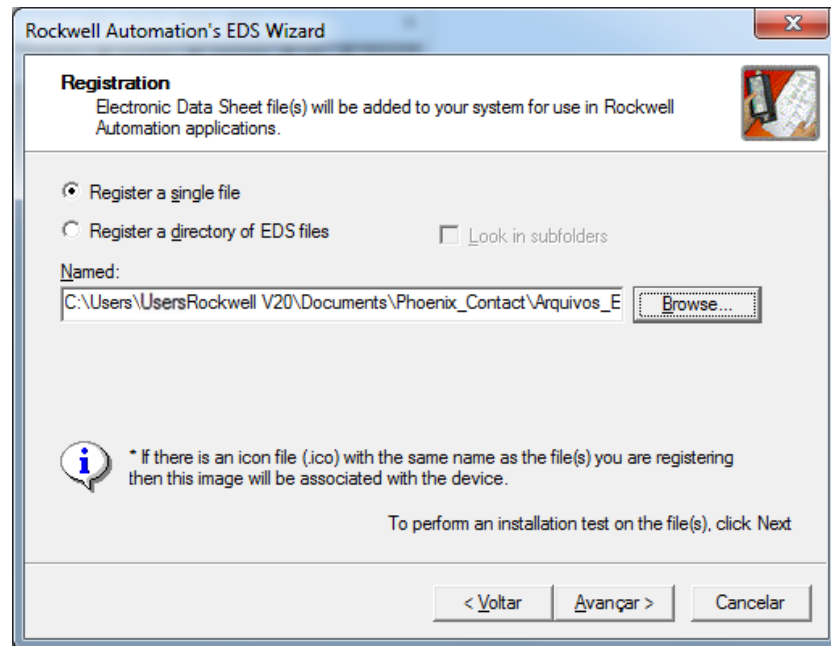
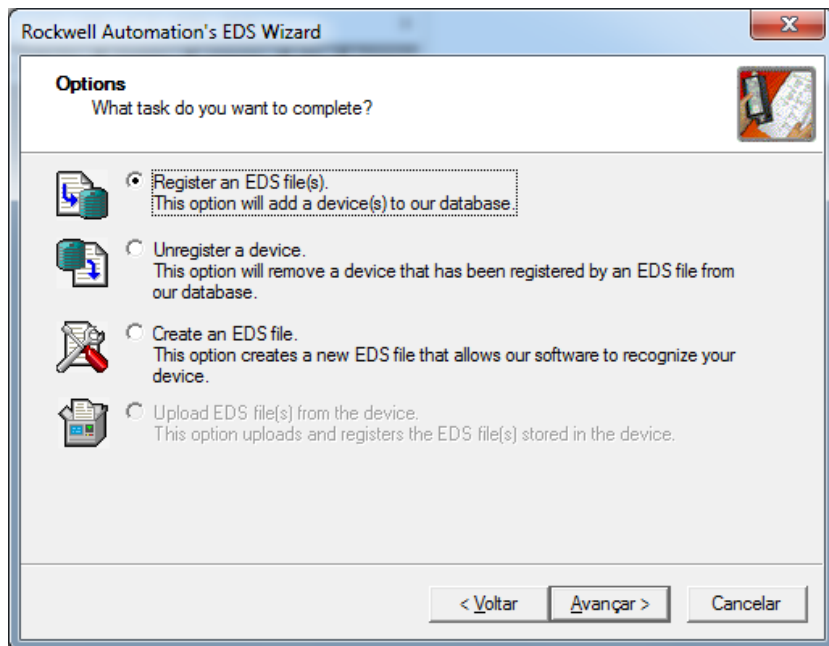
### Descrição do equipamento

	Descrição	Idioma	Versão
<input type="checkbox"/>	[zip, 5 KB] <a href="#">Descrição do equipamento</a> Firmware; arquivo ESD <a href="#">AXLFBKEIP_V110.zip</a>	Internacional	<a href="#">1.10</a>
<input type="checkbox"/>	[zip, 5 KB] <a href="#">Descrição do equipamento</a> EDS-Datei für die Projektierung <a href="#">EDS_AXLFBKEIP_V120.zip</a>	Internacional	<a href="#">1.20</a>

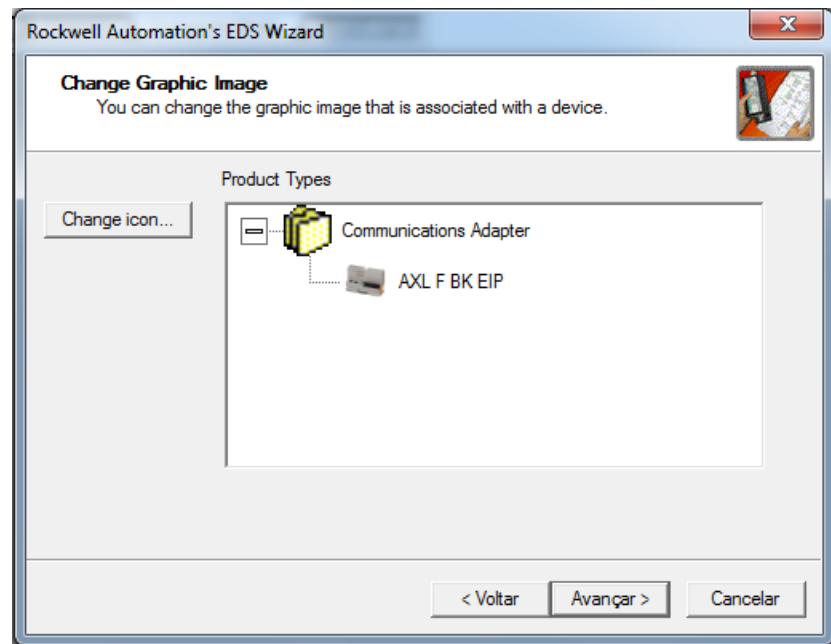
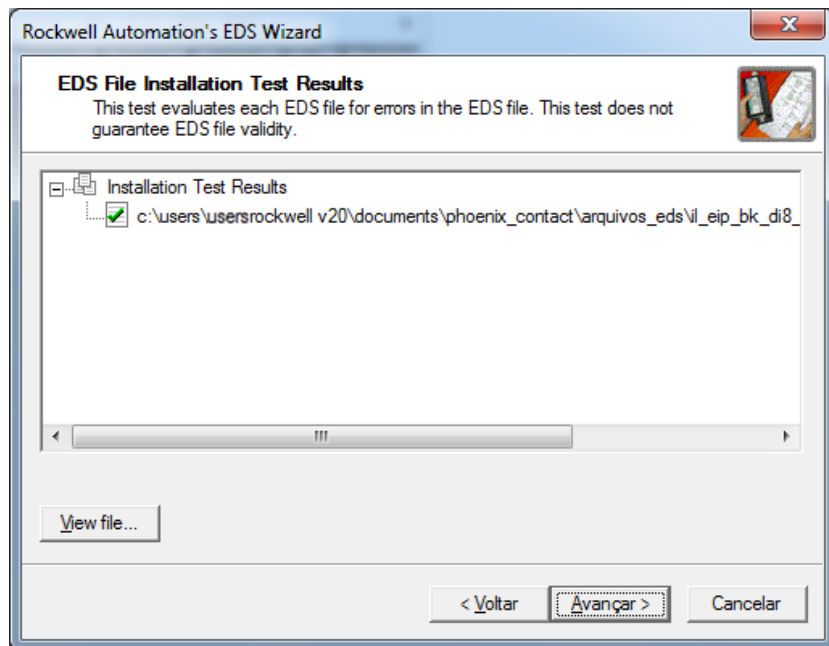
# Instalar o EDS do hardware AXL F BK EIP



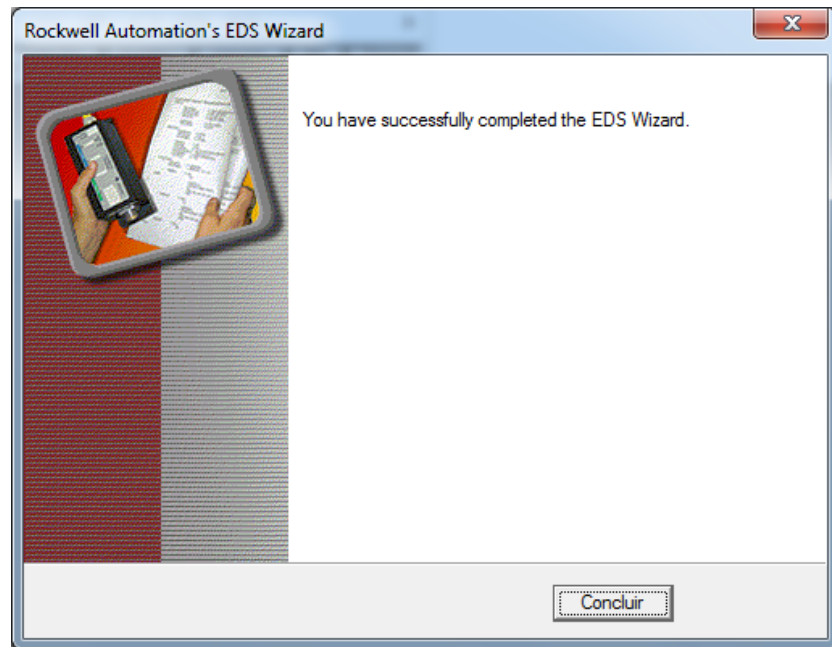
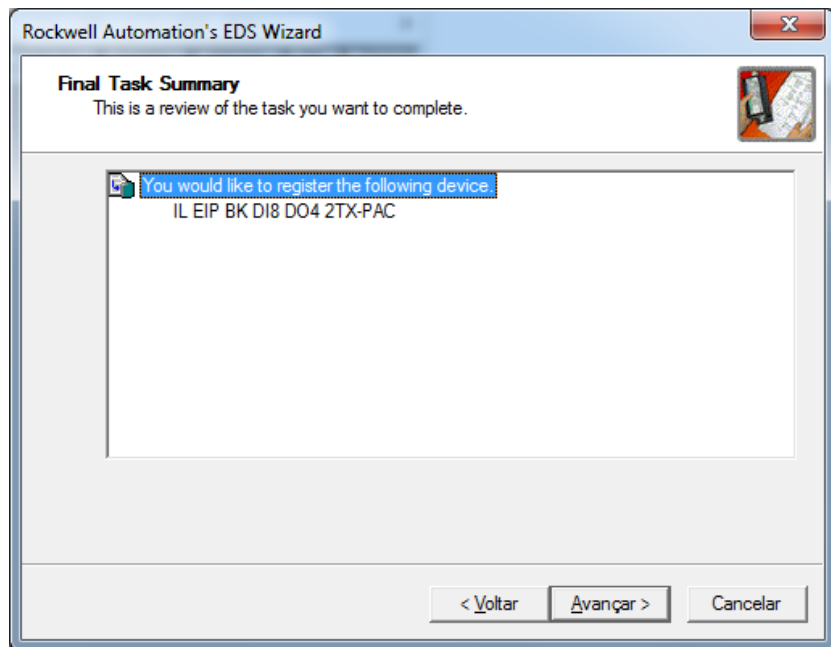
# Instalar o EDS do hardware AXL F BK EIP



# Instalar o EDS do hardware AXL F BK EIP



# Instalar o EDS do hardware AXL F BK EIP



# Adicionar a REMOTA AXL F BK EIP a arquitetura do projeto

Selecionar tipo de module

Catálogo Module Descoberta Favoritos

*Digite o texto de pesquisa para o tipo de module...* Limpar filtros

☒ Module Type Category Filters

- ☒ CIP Motion Drive
- ☒ Communication
- ☒ Communications Adapter
- ☒ Controller

☒ Module Type Vendor Filters

- ☐ Mettler-Toledo
- ☐ Parker Hannifin Corporation
- ☒ Phoenix Contact
- ☐ Prosoft Technology

Desmarque o checkbox e role a lista de fabricantes até encontrar **Phoenix Contact**

Catalog Number	Description	Vendor	Category
2897758	IL EIP BK DI8 DO4 2TX-PAC	Phoenix Contact	Generic Device(keya

1 de 274 Tipos de module Encontrado

☐ Fechar ao criar

Adicionar a Favoritos

# Adicionar a REMOTA AXL F BK EIP a arquitetura do projeto

**New Module**

**General** | Connection | Module Info | Internet Protocol

Type: 2688394 AXL F BK EIP  
Vendor: Phoenix Contact  
Parent: LocalENB  
Name: **REMOTA EIP**  
Description:

Ethernet Address  
☐ Private Network: 192.168.1.  
☒ **IP Address: 192 . 168 . 0 . 5**  
☐ Host Name:

Module Definition  
Revision: 1.10  
Electronic Keying: Compatible Module  
Connections: Class1 Exclusive Owner

**Change ...**

Status: Creating

OK Cancel Help

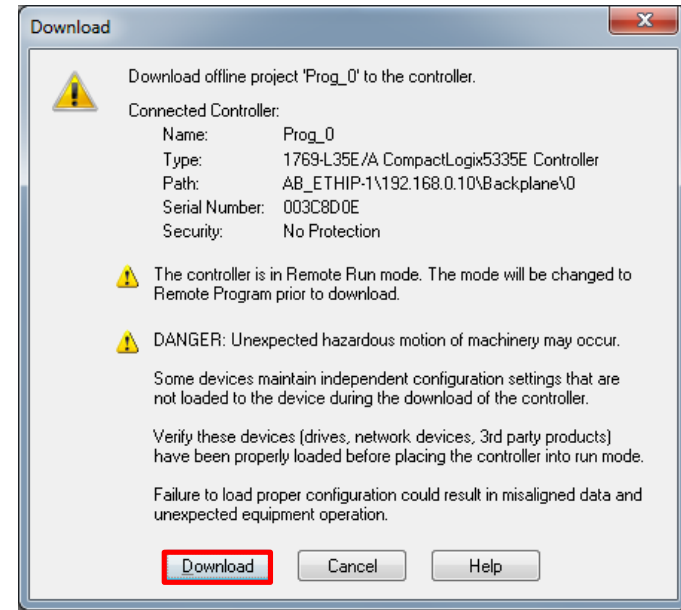
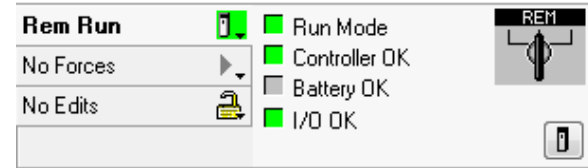
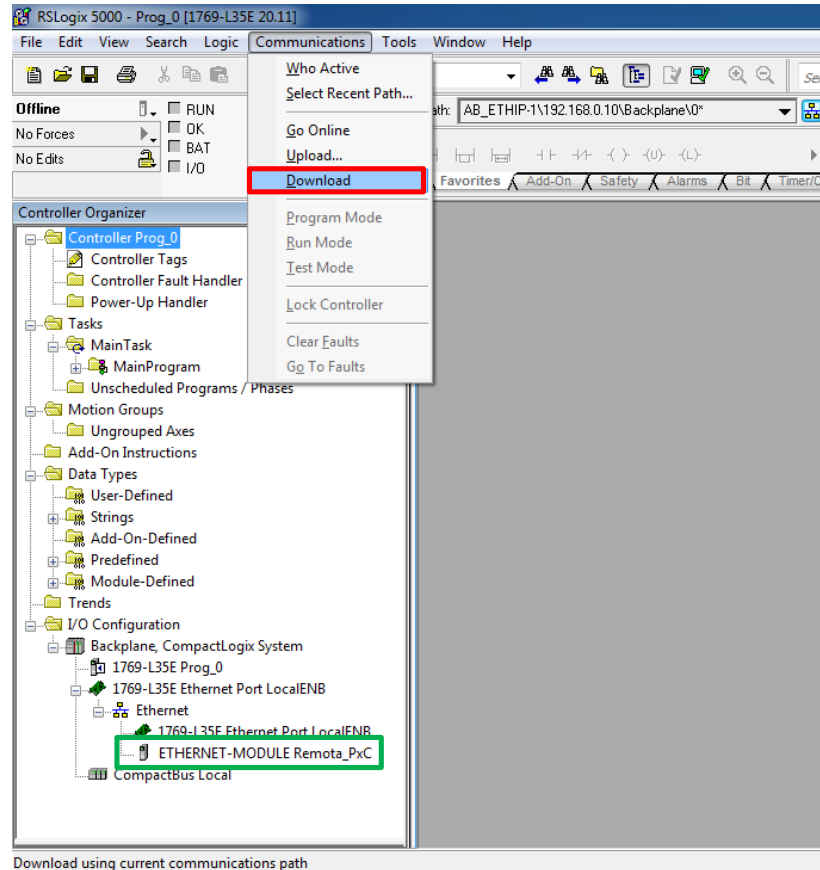
**Module Definition**

Revision: 1 10  
Electronic Keying: Compatible Module  
Connections:

Name	Size	
Class1 Exclusive Owner	Input: 66	SINT
	Output: 66	

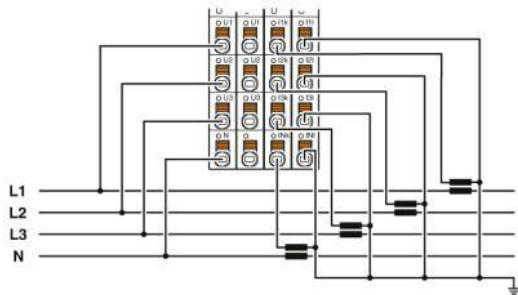
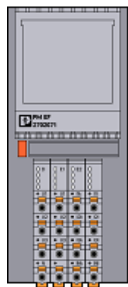
**OK** Cancel Help

# Download das configurações para o CLP e status de configuração OK



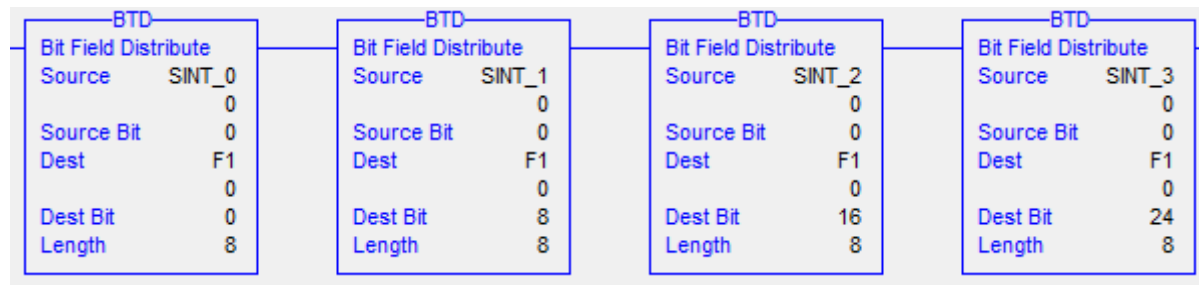


# Process Data do cartão de medição de energia



Word	0, 1	2, 3	4, 5	6, 7	8, 9	10, 11	12, 13	14, 15	16, 17	18, 19	20, 21	22, 23	24, 25	26, 27	28, 29	30, 31
Phase	L1	L2	L3	L1	L2	L3	N	L1	L2	L3	L1	L2	L3	L1	L2	L3
Meaning	Voltage			Current				Real power active energy			Reactive power reactive energy			Apparent power apparent energy		
Signal	L1_Voltage L2_Voltage L3_Voltage			L1_Current L2_Current L3_Current NeutralConductor_Current				L1_Real_PE L2_Real_PE L3_Real_PE			L1_Reactive_PE L2_Reactive_PE L3_Reactive_PE			L1_Apparent_PE L2_Apparent_PE L3_Apparent_PE		
Unit	V			A				kW kWh			kVAr kVArh			kVA kVAh		
Resolution	1 mV			1 mA				1 W 1 Wh			1 VAR 1 VARh			1 VA 1 VAh		
Object settings (Default = bold)	Depending on object 0E11 <sub>hex</sub> : <b>00<sub>hex</sub></b> : root mean square value (RMS) 01 <sub>hex</sub> : instantaneous value							Depending on object 0E12 <sub>hex</sub> : <b>00<sub>hex</sub></b> : power 01 <sub>hex</sub> : energy								
	Depending on object 0E13 <sub>hex</sub> : <b>00<sub>hex</sub></b> : phase voltage 01 <sub>hex</sub> : phase conductor voltage															

# Functions Blocks criados para conversão de BTB (SINT to DINT)



# Valores de Tensão e Corrente

FB_TENSAO_FASES		
FB_TENSAO_FASES	TENSAO_FASES	...
SINT_0	REMOTA_EIP:I.Data[0]	-33
SINT_1	REMOTA_EIP:I.Data[1]	-9
SINT_2	REMOTA_EIP:I.Data[2]	1
SINT_3	REMOTA_EIP:I.Data[3]	0
SINT_4	REMOTA_EIP:I.Data[4]	-119
SINT_5	REMOTA_EIP:I.Data[5]	0
SINT_6	REMOTA_EIP:I.Data[6]	0
SINT_7	REMOTA_EIP:I.Data[7]	0
SINT_8	REMOTA_EIP:I.Data[8]	105
SINT_9	REMOTA_EIP:I.Data[9]	-8
SINT_10	REMOTA_EIP:I.Data[10]	1
SINT_11	REMOTA_EIP:I.Data[11]	0
V_FASE_1	TENSAO_F1	128.991
V_FASE_2	TENSAO_F2	0.137
V_FASE_3	TENSAO_F3	129.129

FB_CORRENTE_FASES		
FB_CORRENTE_FASES	CORRENTE_FASES	...
SINT_0	REMOTA_EIP:I.Data[12]	79
SINT_1	REMOTA_EIP:I.Data[13]	0
SINT_2	REMOTA_EIP:I.Data[14]	0
SINT_3	REMOTA_EIP:I.Data[15]	0
SINT_4	REMOTA_EIP:I.Data[16]	0
SINT_5	REMOTA_EIP:I.Data[17]	0
SINT_6	REMOTA_EIP:I.Data[18]	0
SINT_7	REMOTA_EIP:I.Data[19]	0
SINT_8	REMOTA_EIP:I.Data[20]	0
SINT_9	REMOTA_EIP:I.Data[21]	0
SINT_10	REMOTA_EIP:I.Data[22]	0
SINT_11	REMOTA_EIP:I.Data[23]	0
SINT_12	REMOTA_EIP:I.Data[24]	79
SINT_13	REMOTA_EIP:I.Data[25]	0
SINT_14	REMOTA_EIP:I.Data[26]	0
SINT_15	REMOTA_EIP:I.Data[27]	0
I_FASE_1	CORRENTE_FASE_1	79.0
I_FASE_2	CORRENTE_FASE_2	0.0
I_FASE_3	CORRENTE_FASE_3	0.0
I_NEUTRO	CORRENTE_NEUTRO	0.0

# Valores de Potência Ativa, Reativa e Aparente

FB_POWER_REAL		
FB_POWER_REAL	POWER_REAL	...
SINT_0	REMOTA_EIP:I.Data[28]	5
SINT_1	REMOTA_EIP:I.Data[29]	0
SINT_2	REMOTA_EIP:I.Data[30]	0
SINT_3	REMOTA_EIP:I.Data[31]	0
SINT_4	REMOTA_EIP:I.Data[32]	0
SINT_5	REMOTA_EIP:I.Data[33]	0
SINT_6	REMOTA_EIP:I.Data[34]	0
SINT_7	REMOTA_EIP:I.Data[35]	0
SINT_8	REMOTA_EIP:I.Data[36]	0
SINT_9	REMOTA_EIP:I.Data[37]	0
SINT_10	REMOTA_EIP:I.Data[38]	0
SINT_11	REMOTA_EIP:I.Data[39]	0
Pot_Real_F1	POT_REAL_F1	5.0
Pot_Real_F2	POT_REAL_F2	0.0
Pot_Real_F3	POT_REAL_F3	0.0

FB_POWER_REATIVA		
FB_POWER_REATIVA	POWER_REATIVA	...
SINT_0	REMOTA_EIP:I.Data[40]	0
SINT_1	REMOTA_EIP:I.Data[41]	0
SINT_2	REMOTA_EIP:I.Data[42]	0
SINT_3	REMOTA_EIP:I.Data[43]	0
SINT_4	REMOTA_EIP:I.Data[44]	0
SINT_5	REMOTA_EIP:I.Data[45]	0
SINT_6	REMOTA_EIP:I.Data[46]	0
SINT_7	REMOTA_EIP:I.Data[47]	0
SINT_8	REMOTA_EIP:I.Data[48]	0
SINT_9	REMOTA_EIP:I.Data[49]	0
SINT_10	REMOTA_EIP:I.Data[50]	0
SINT_11	REMOTA_EIP:I.Data[51]	0
Pot_Reativa_F1	POT_REATIVA_F1	0.0
Pot_Reativa_F2	POT_REATIVA_F2	0.0
Pot_Reativa_F3	POT_REATIVA_F3	0.0

FB_POWER_APARENTE		
FB_POWER_APARENTE	POWER_APARENTE	...
SINT_0	REMOTA_EIP:I.Data[52]	10
SINT_1	REMOTA_EIP:I.Data[53]	0
SINT_2	REMOTA_EIP:I.Data[54]	0
SINT_3	REMOTA_EIP:I.Data[55]	0
SINT_4	REMOTA_EIP:I.Data[56]	0
SINT_5	REMOTA_EIP:I.Data[57]	0
SINT_6	REMOTA_EIP:I.Data[58]	0
SINT_7	REMOTA_EIP:I.Data[59]	0
SINT_8	REMOTA_EIP:I.Data[60]	0
SINT_9	REMOTA_EIP:I.Data[61]	0
SINT_10	REMOTA_EIP:I.Data[62]	0
SINT_11	REMOTA_EIP:I.Data[63]	0
Pot_Aparente_F1	POT_APARENTE_F1	10.0
Pot_Aparente_F2	POT_APARENTE_F2	0.0
Pot_Aparente_F3	POT_APARENTE_F3	0.0

# Pronto!!!

A rede e seus dispositivos ETHERNET/IP já estão configurados  
Agora você já pode iniciar a programação.



***INSPIRING INNOVATIONS***

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