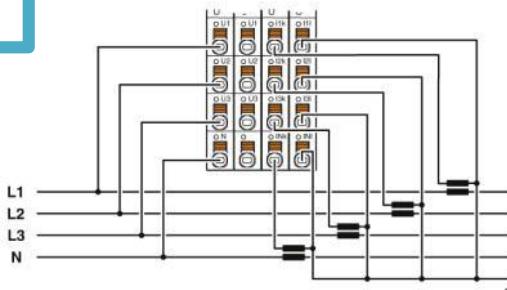
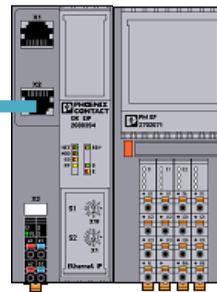


Guia de Configuração

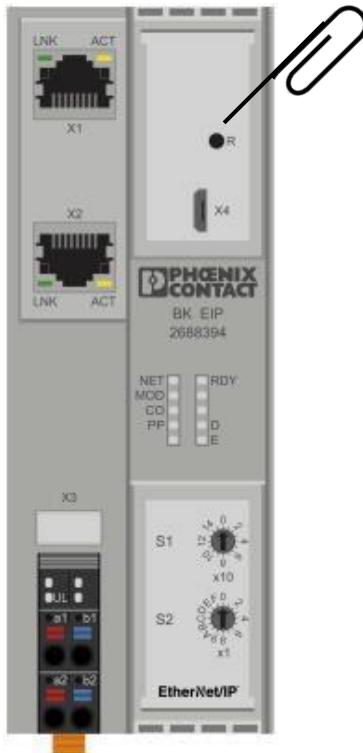
CLP L35E e Remota AXL EIP + Cartão de Energia



EtherNet/IP®



Procedimento para restar configuração e IP e ativar o modo BootP

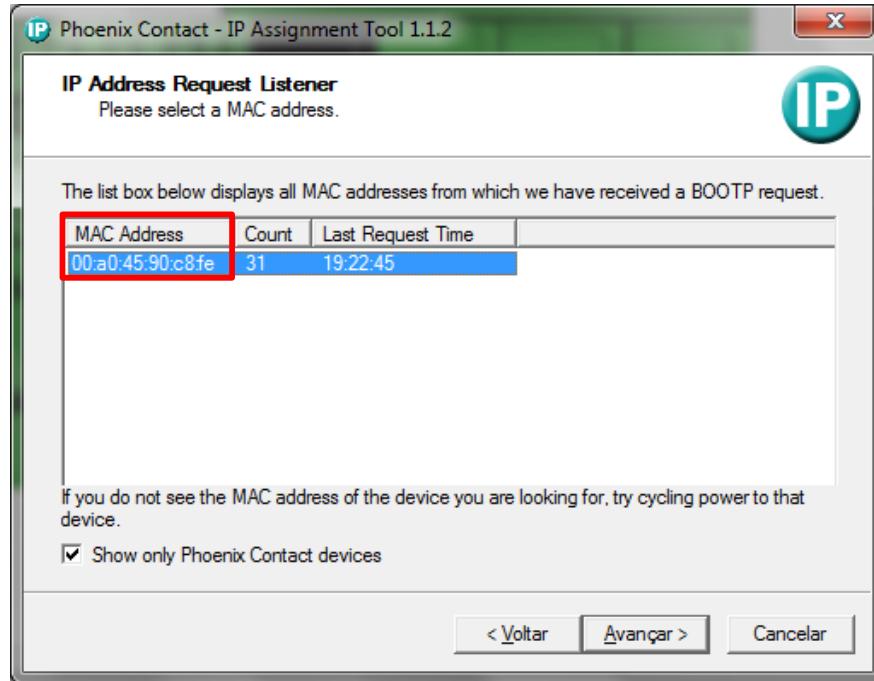


1. Energize o dispositivo com 24VDC;
2. Utilize um objeto pontiagudo ex: clips;
3. Com o dispositivo energizado, pressione o botão de reset durante 6s;
4. Ainda mantendo o botão pressionado, desligue e sem seguida ligue novamente o dispositivo;
5. Mantenha pressionado ainda por mais 6s e posteriormente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

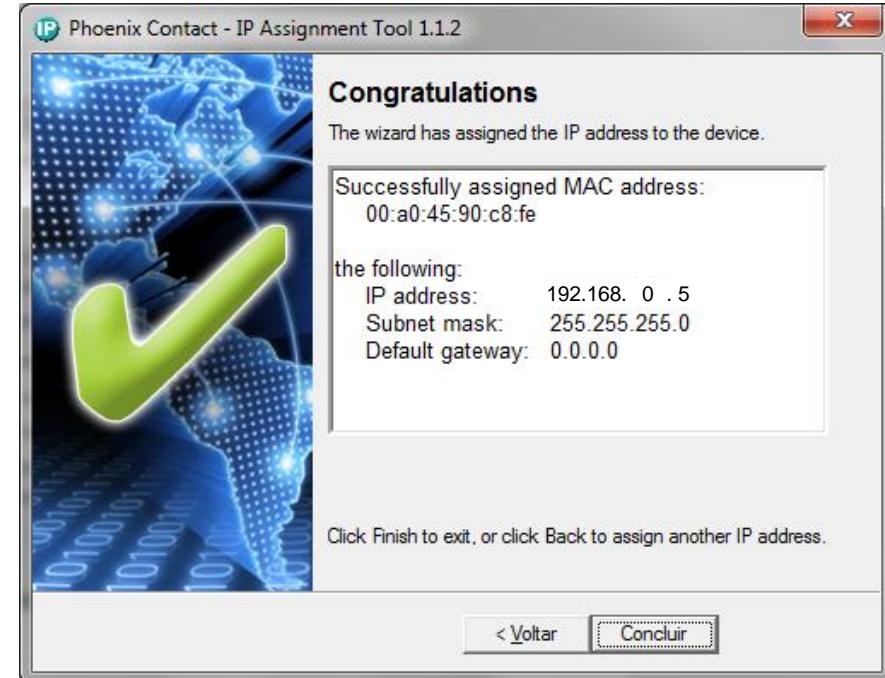
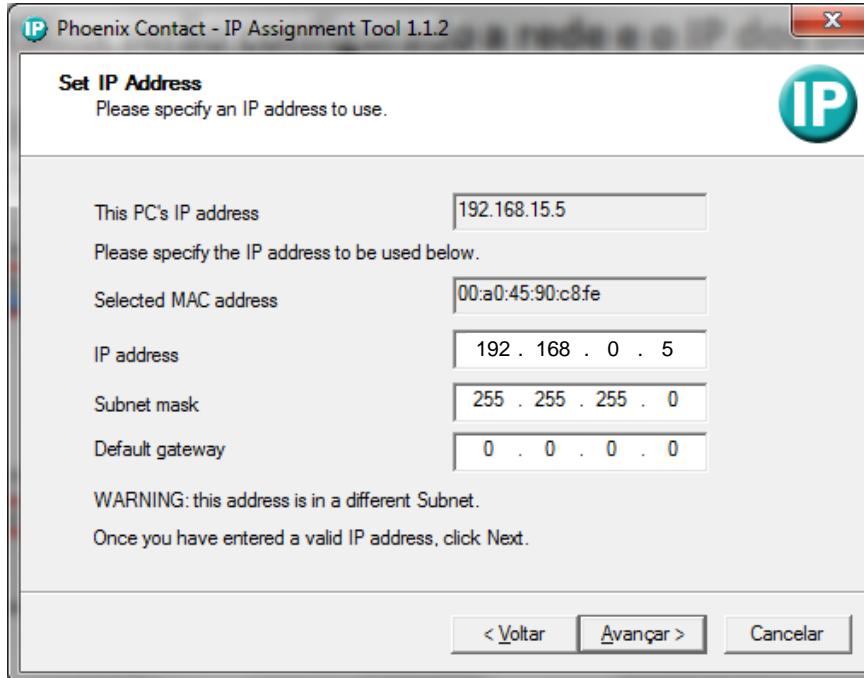
Configuração do IP da REMOTA via software IP Assignment Tool



Configuração do IP da REMOTA via software IP Assignment Tool



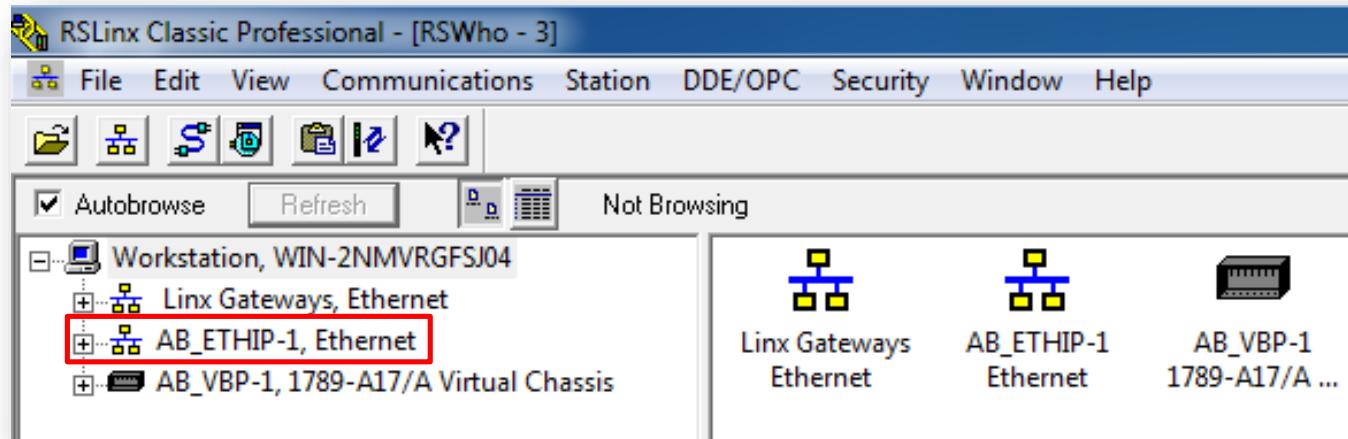
Configuração do IP da REMOTA via software IP Assignment Tool



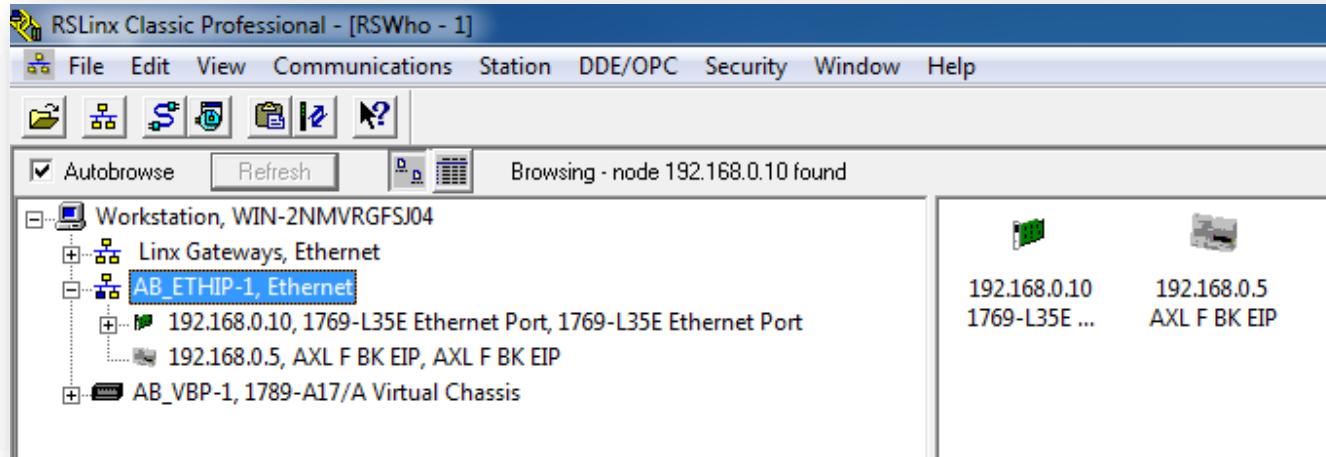
O RSLink identifica os dispositivos na rede e mostra seus status.



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

PHOENIX 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



Configurações de parâmetros da REMOTA via browser

The image shows the REMOTA web configuration interface. On the left is a sidebar with navigation links: AXL F BK EIP 2688394, Quick Setup (highlighted with a red box), Information, Diagnostics, EtherNet/IP, I/O Assembly Table, Configuration, Ethernet Port, IP Settings, Startup Behaviour, and 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

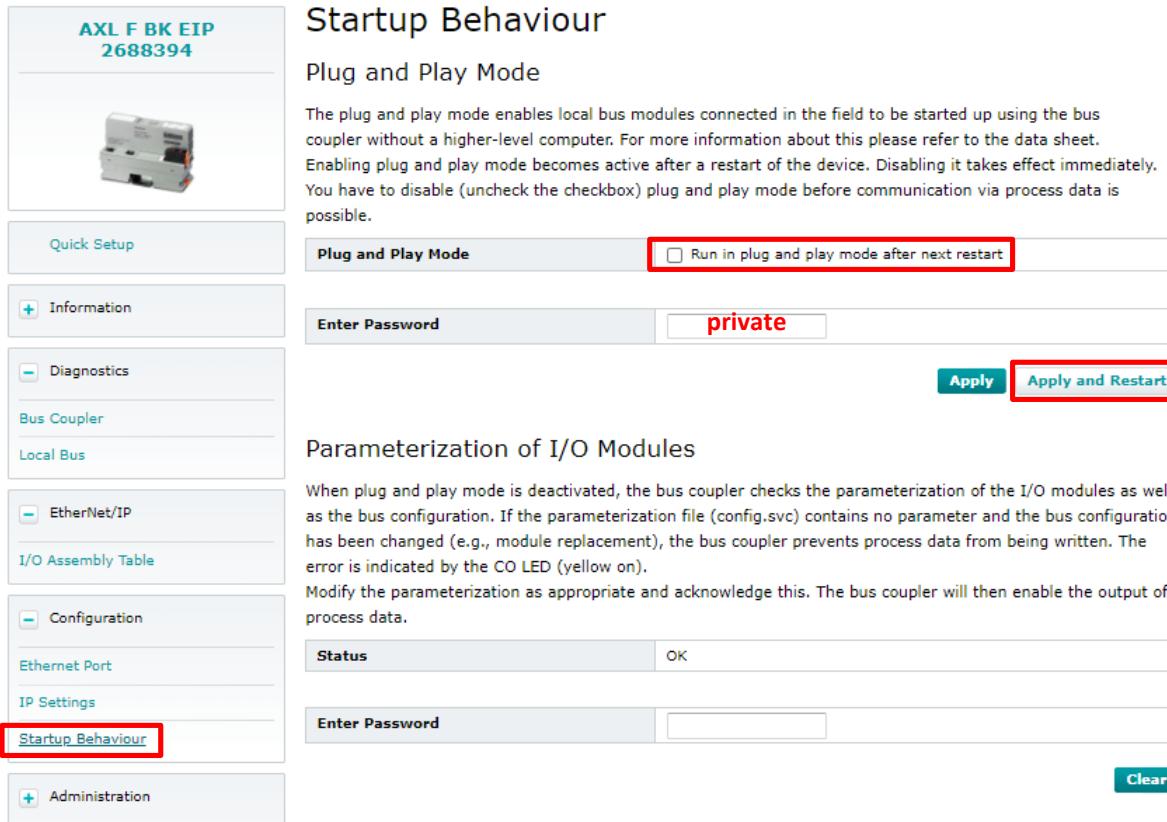
Password

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



The screenshot shows the REMOTA configuration interface with the following details:

- Device Identification:** AXL F BK EIP 2688394
- Startup Behaviour:** Plug and Play Mode
- Configuration Options:**
 - Plug and Play Mode (checkbox): Run in plug and play mode after next restart (highlighted with a red box)
 - Enter Password: private
 - Buttons: Apply (green), Apply and Restart (green)
- Parameterization of I/O Modules:**
 - Status: OK
 - Enter Password: (empty field)
 - Buttons: Clear (green)
- Navigation:** Quick Setup, Information, Diagnostics, Bus Coupler, Local Bus, EtherNet/IP, I/O Assembly Table, Configuration, Ethernet Port, IP Settings, **Startup Behaviour** (highlighted with a red box), Administration.

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	-	-	-
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

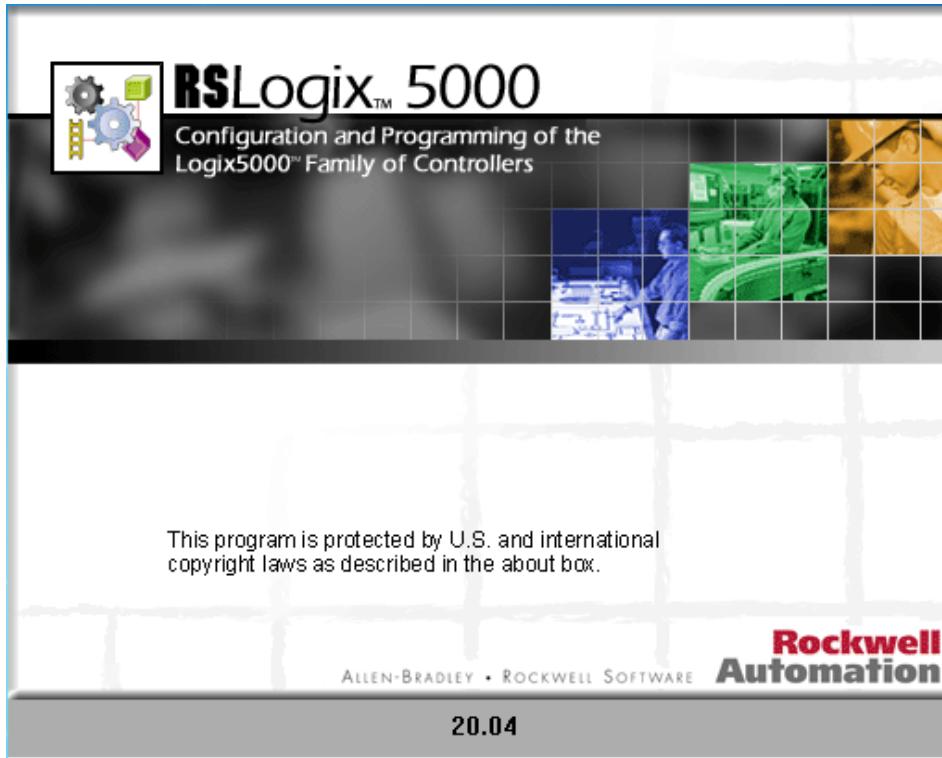


S2

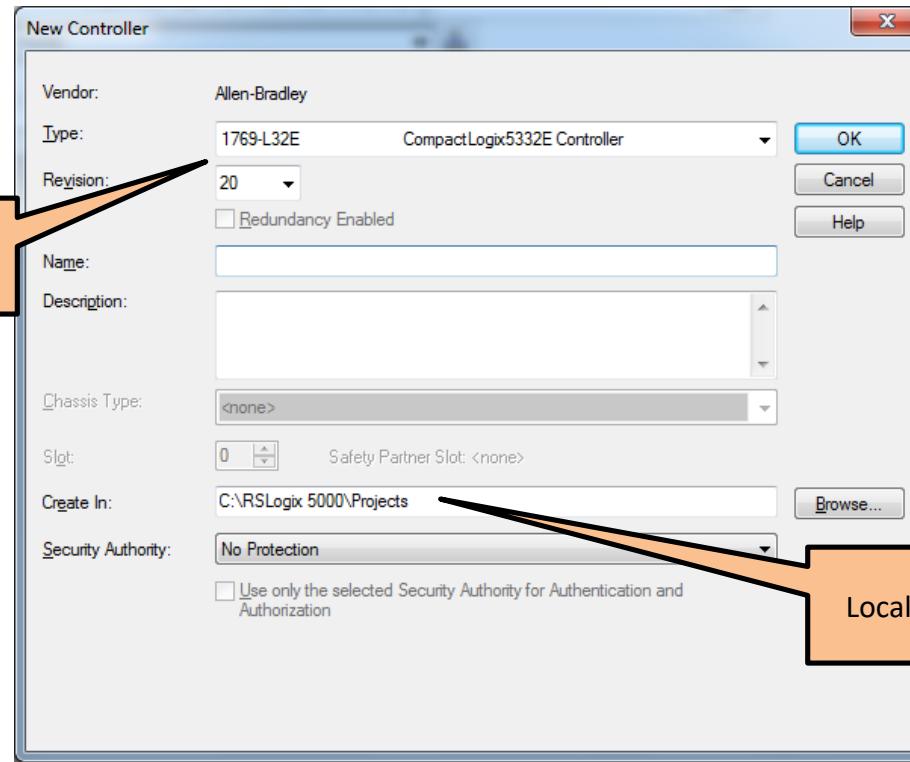


S1	S2	Code	Function
0	0	00	Remote access (default)
0...5	1...0	01...50	Manual IP address assignment
5...15	0...9	51...159	DHCP name assignment
0	A	0A	Static IP address
0	E	0E	Resetting IP parameters
1	A	1A	Activate plug and play mode
1	B	1B	Deactivate plug and play mode
12	C	12C	Resetting to the default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

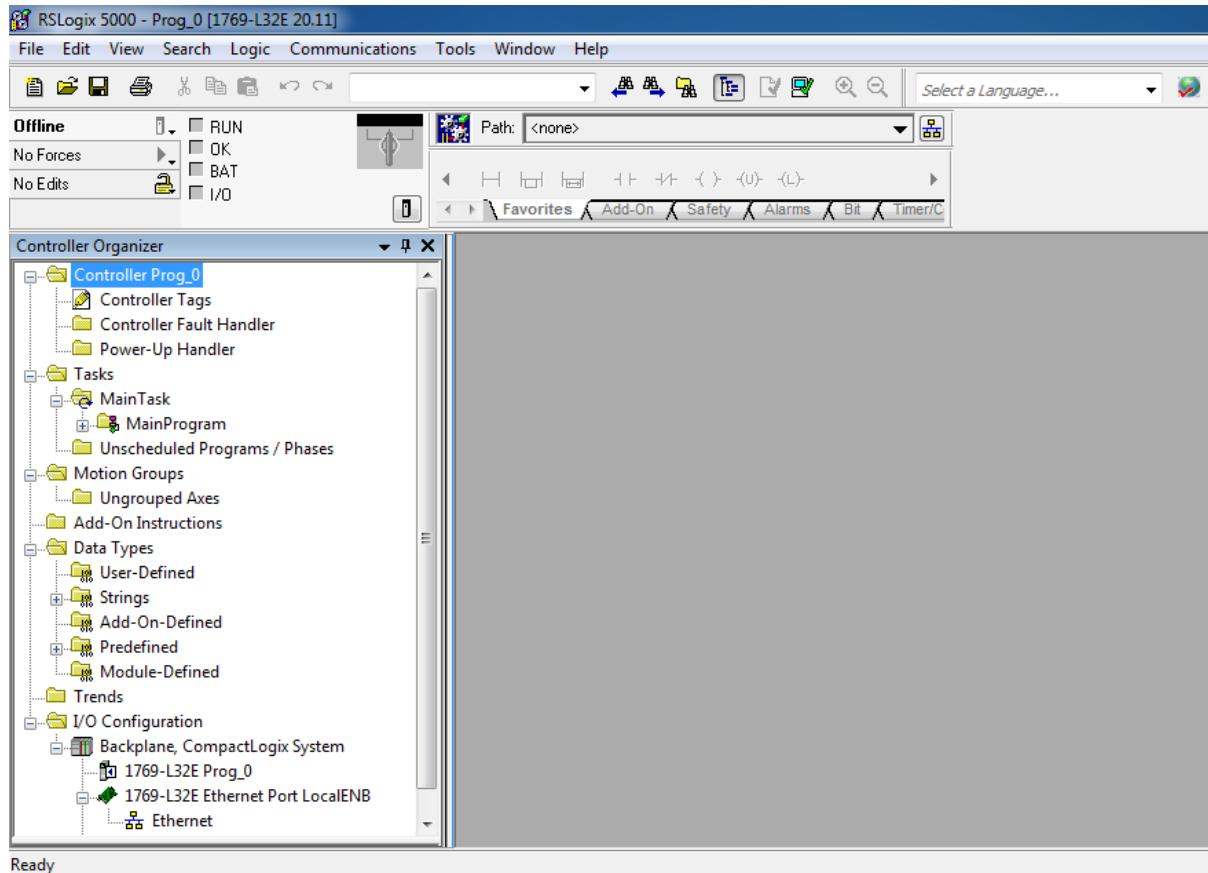
Iniciar o projeto no RS Logix5000



Iniciar o projeto no RS Logix5000

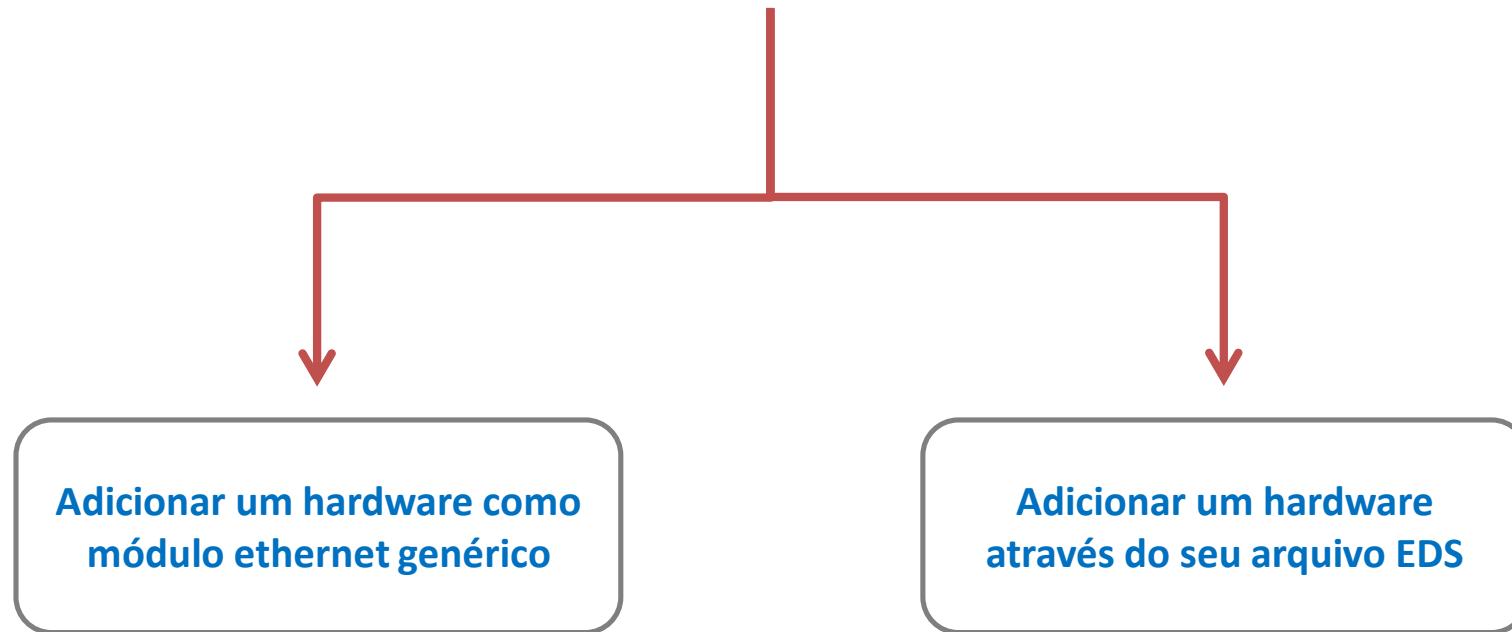


Iniciar o projeto no RS Logix5000



Existem duas formas de adicionar a REMOTA a arquitetura do projeto

IL EIP BK DI8 DO4 2TX-PAC



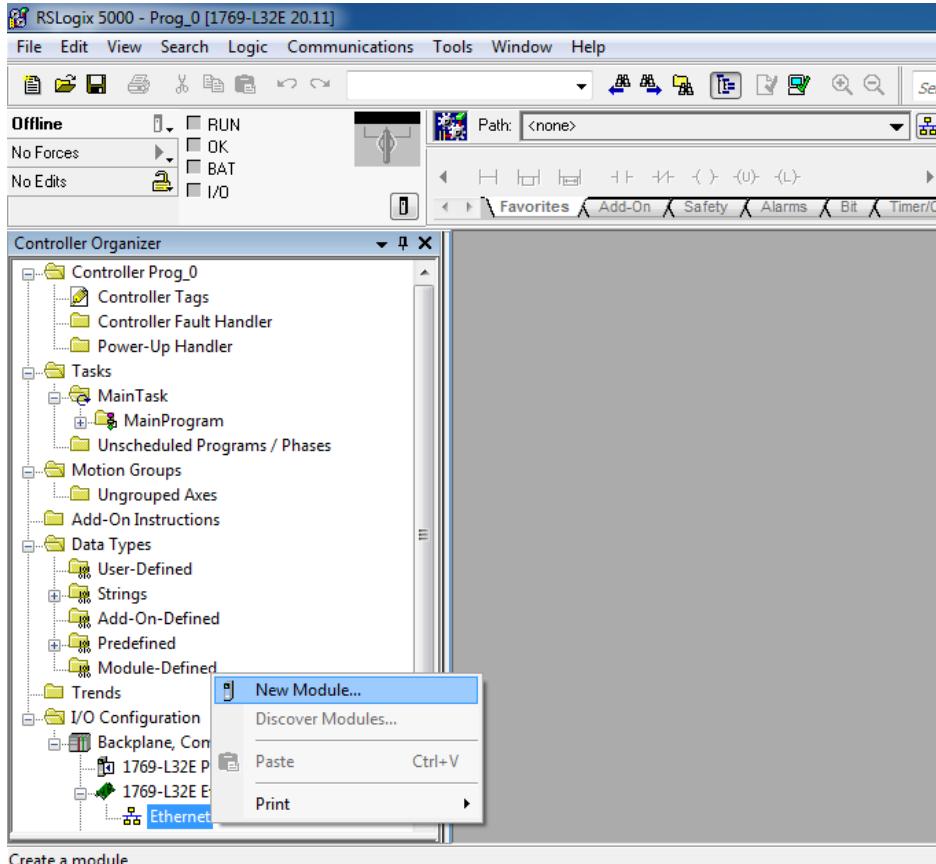
Existem duas formas de adicionar a REMOTA a arquitetura do projeto

AXL F BK EIP



Adicionar um hardware como
módulo ethernet genérico

Adicionar a REMOTA como módulo ethernet genérico



Create a module

Adicionar a REMOTA como módulo ethernet genérico

Selecionar tipo de module

Catálogo Module Descoberta Favoritos

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

Module Type Category Filters

- CIP Motion Drive
- Communication
- Communications Adapter
- Controller

Module Type Vendor Filters

- Allen-Bradley
- Cognex Corporation
- Endress+Hauser
- Mettler-Toledo

Catalog Number	Description	Vendor	Category
0005_007B_0030	SP600	Reliance Electric	DPI to EtherNet/I
0005_007B_0038	SP600 ER 400V	Reliance Electric	DPI to EtherNet/I
0005_007B_0039	SP600 ER 200V	Reliance Electric	DPI to EtherNet/I
0005_007B_003A	SP600 ER 600V	Reliance Electric	DPI to EtherNet/I
0005_007B_0060	Liquiflo 2.0	Reliance Electric	DPI to EtherNet/I
0005_007F_0027	MD60	Reliance Electric	MDI to EtherNet/I

274 de 274 Tipos de module Encontrado

Fechar ao criar

Criar Fechar Ajuda

[Adicionar a Favoritos](#)

Adicionar a REMOTA como módulo ethernet genérico

Digit no campo de busca
Generic

Select Module Type

Catalog Module Discovery Favorites

Generic

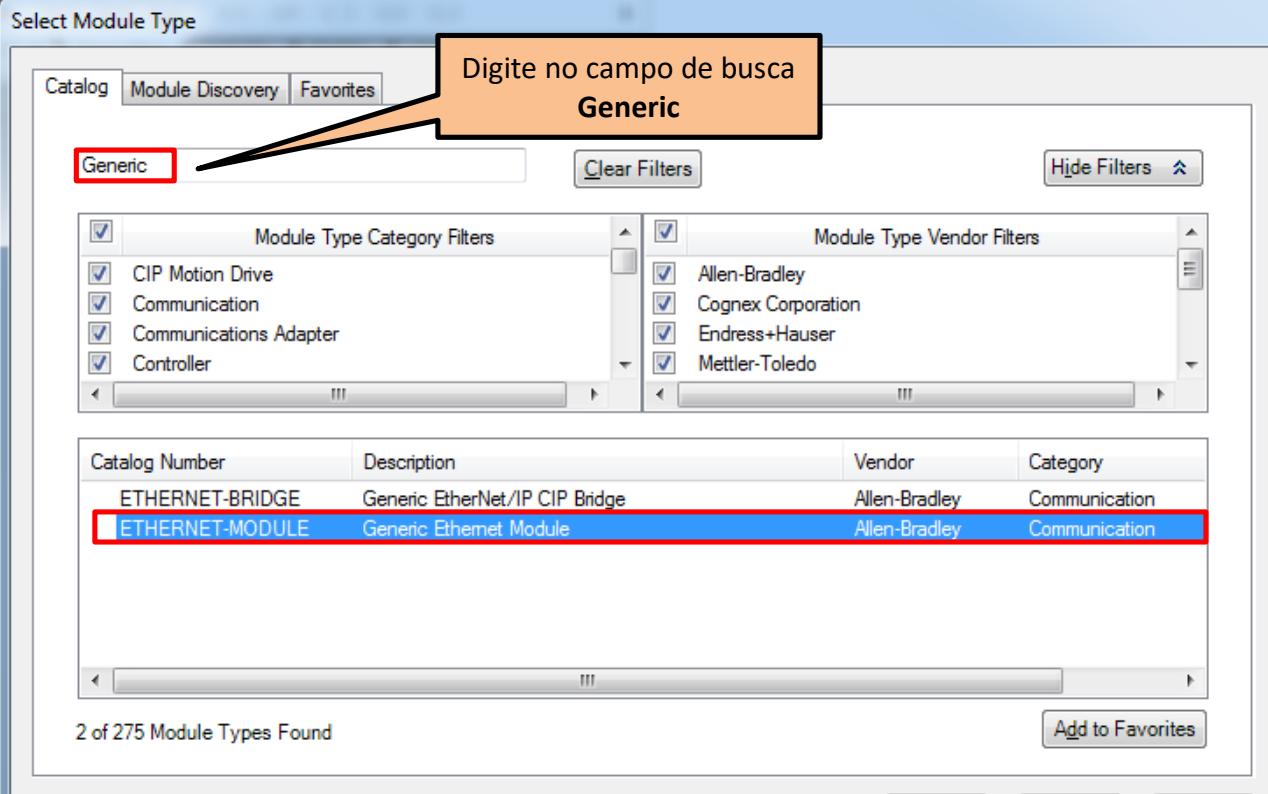
Module Type Category Filters: CIP Motion Drive, Communication, Communications Adapter, Controller

Module Type Vendor Filters: Allen-Bradley, Cognex Corporation, Endress+Hauser, Mettler-Toledo

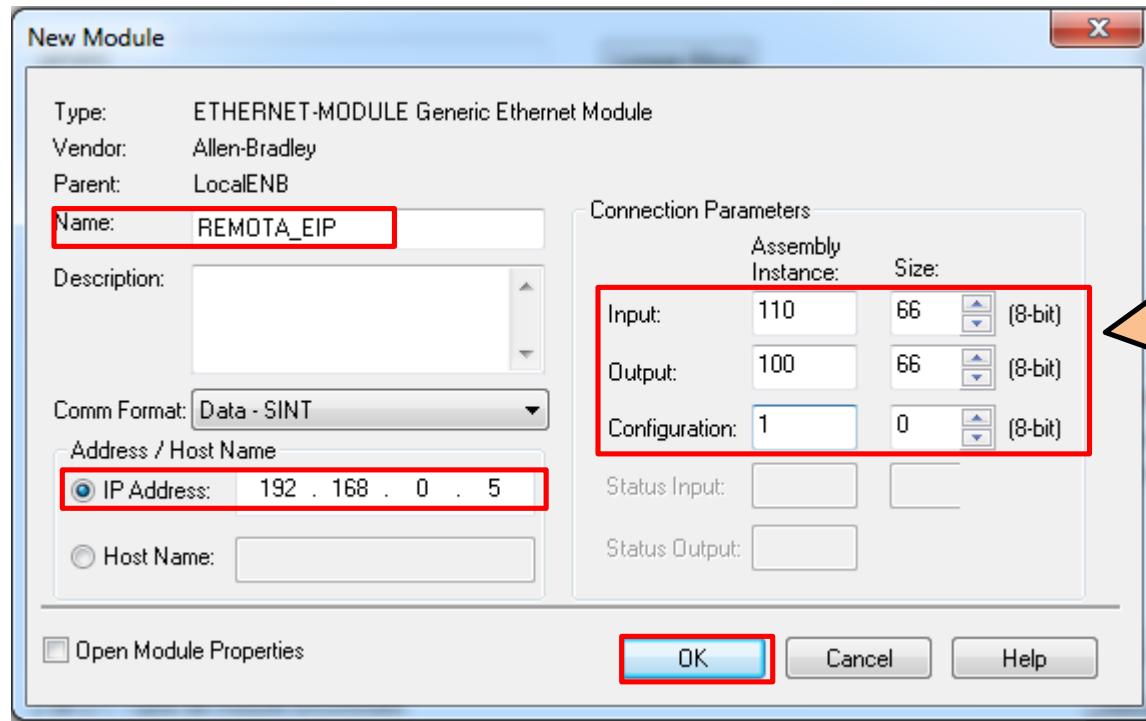
Catalog Number	Description	Vendor	Category
ETHERNET-BRIDGE	Generic EtherNet/IP CIP Bridge	Allen-Bradley	Communication
ETHERNET-MODULE	Generic Ethernet Module	Allen-Bradley	Communication

2 of 275 Module Types Found

Close on Create



Adicionar a REMOTA como módulo ethernet genérico



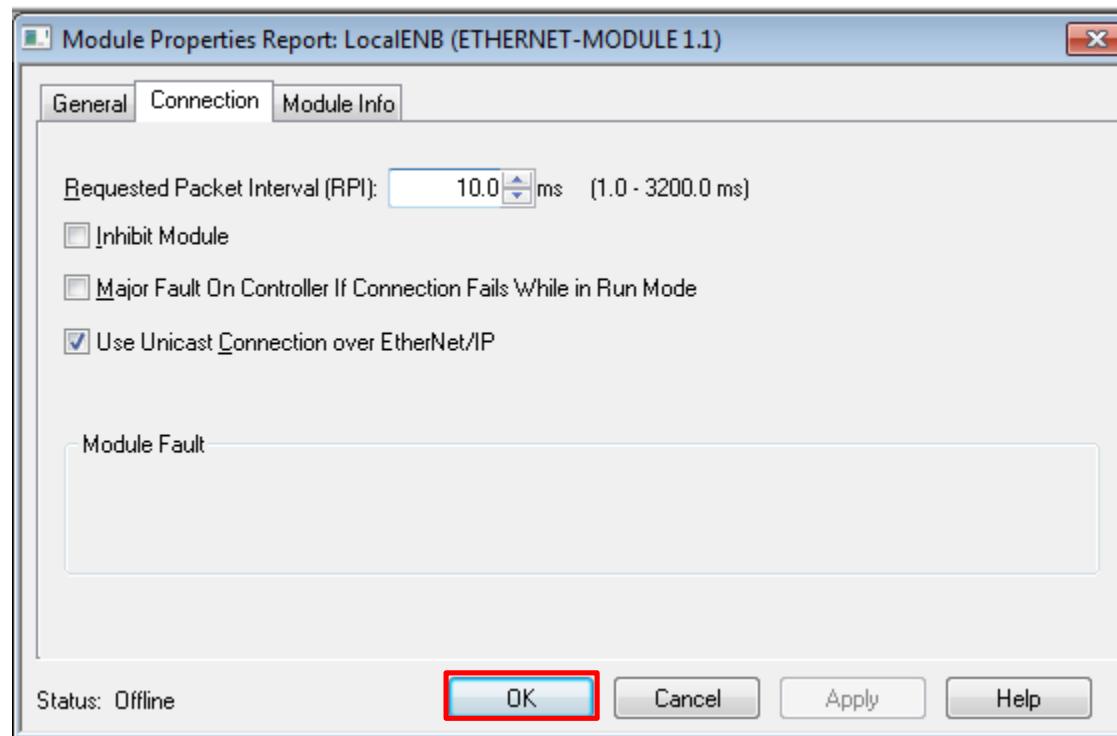
EtherNet/IP I/O Assembly

Input	Output
Instance: 110	Instance: 100
Size: 66 Byte	Size: 66 Byte

Reserva de memória necessária para dados de entrada e saída.

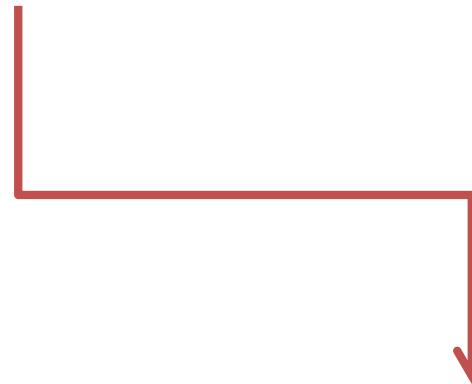
Configurar conforme visualizado na pagina web da REMOTA.

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

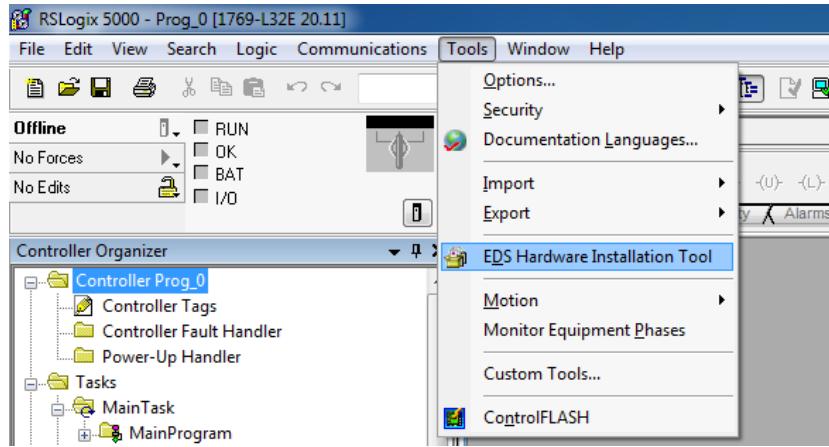
[Criar PDF](#)

[Visão geral](#) [Dados técnicos](#) [Acessórios](#) [Certificações](#) [Downloads](#)

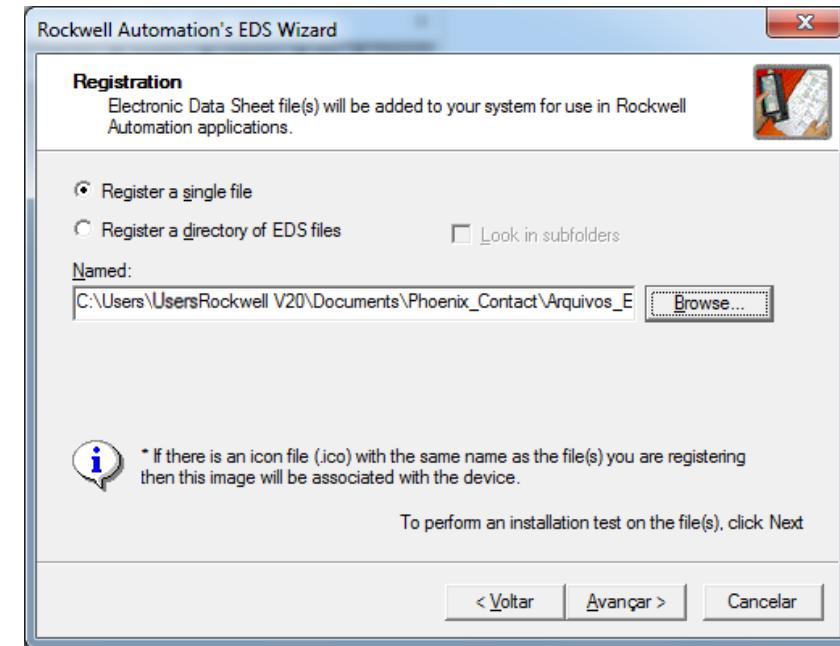
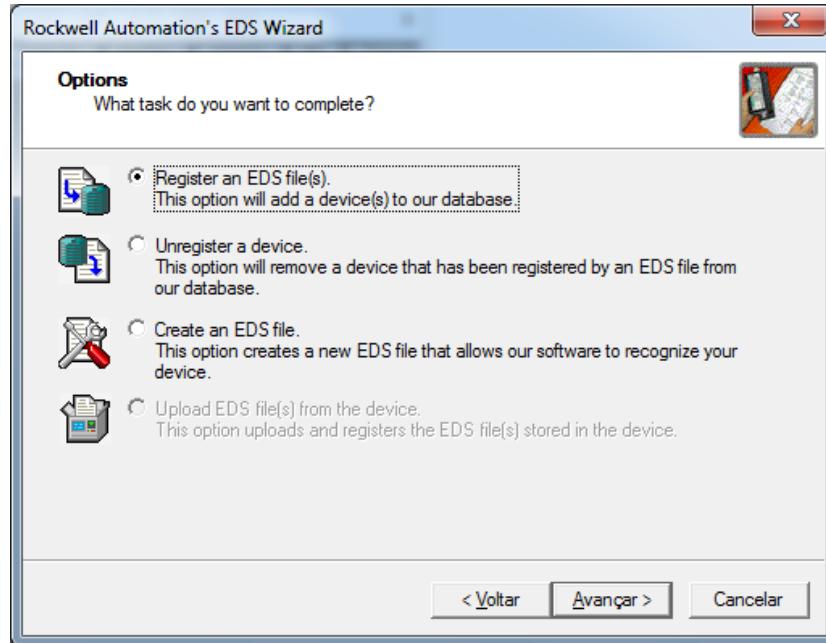
Descrição do equipamento

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

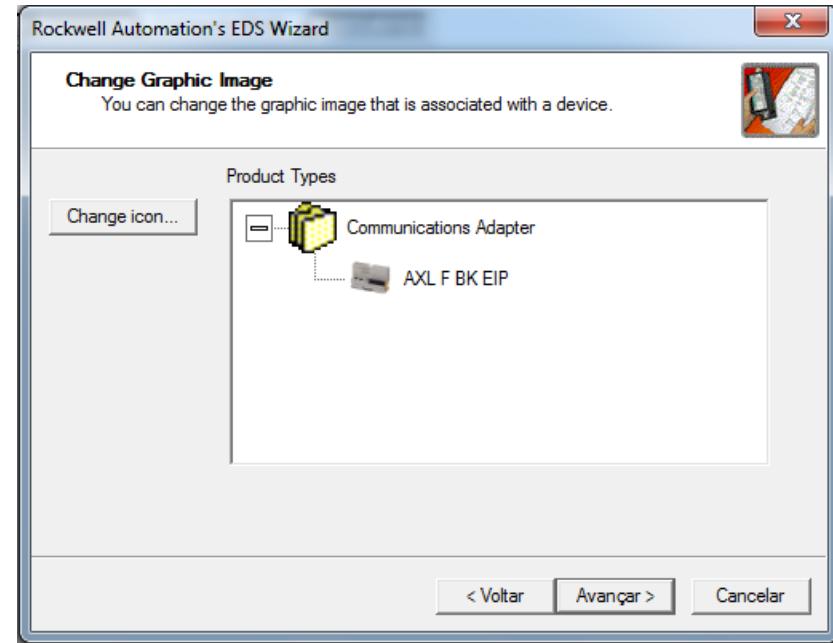
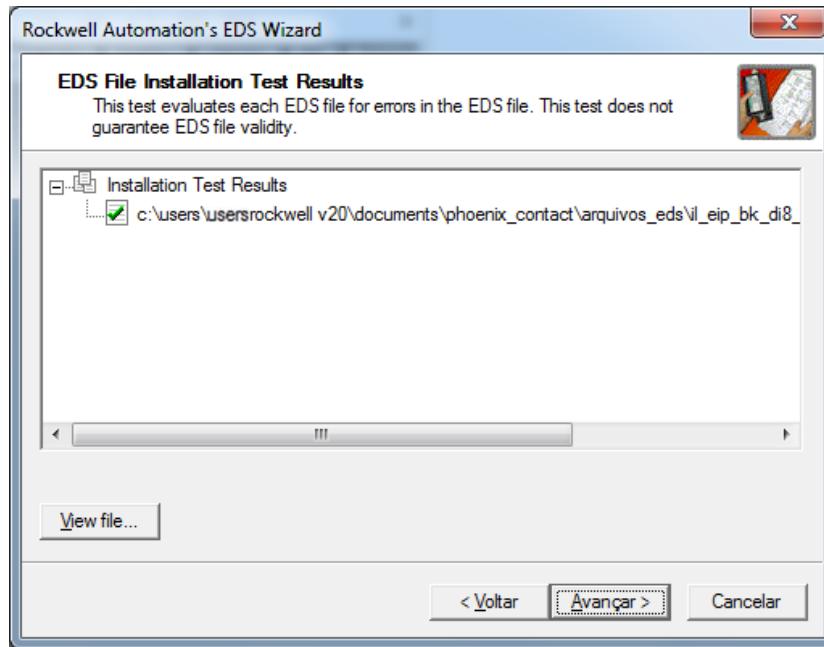
Instalar o EDS do hardware AXL F BK EIP



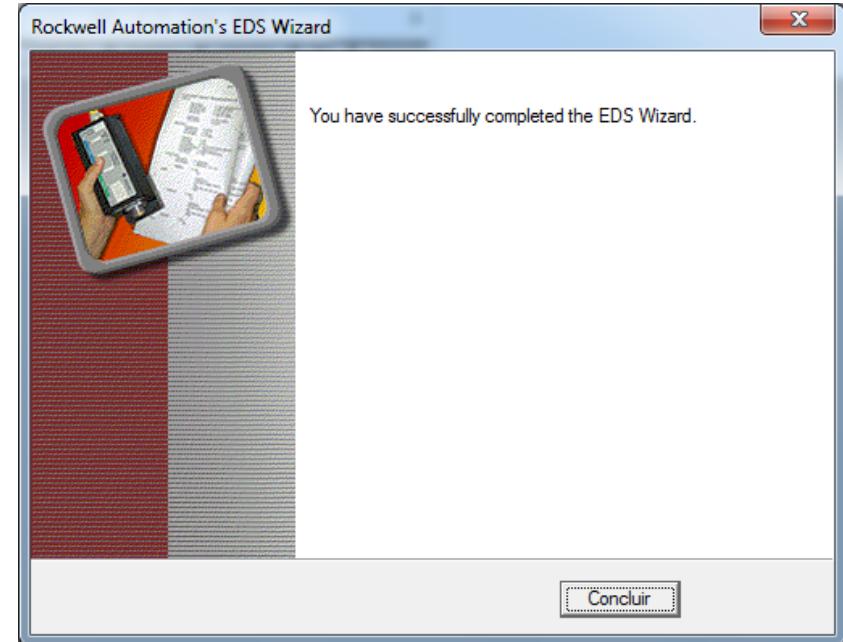
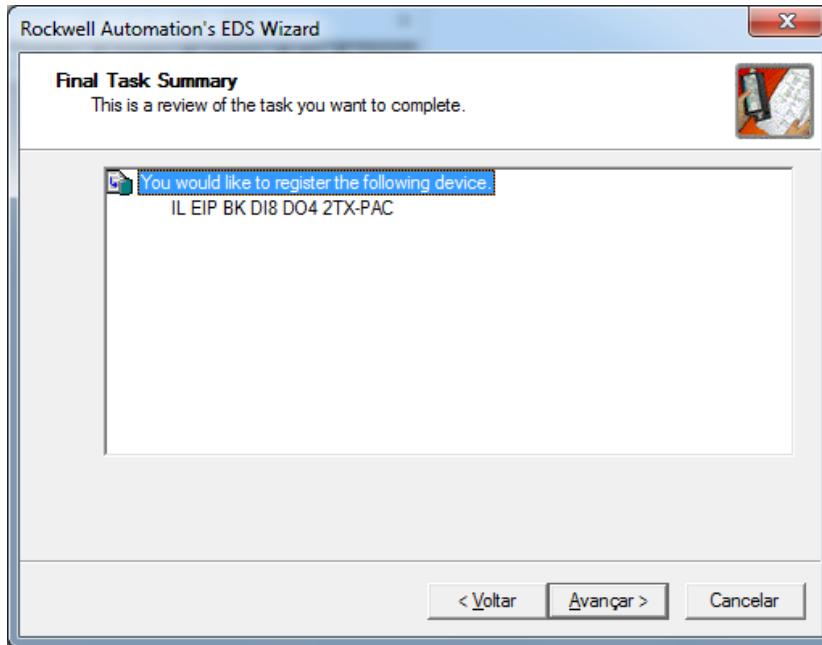
Instalar o EDS do hardware AXL F BK EIP



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

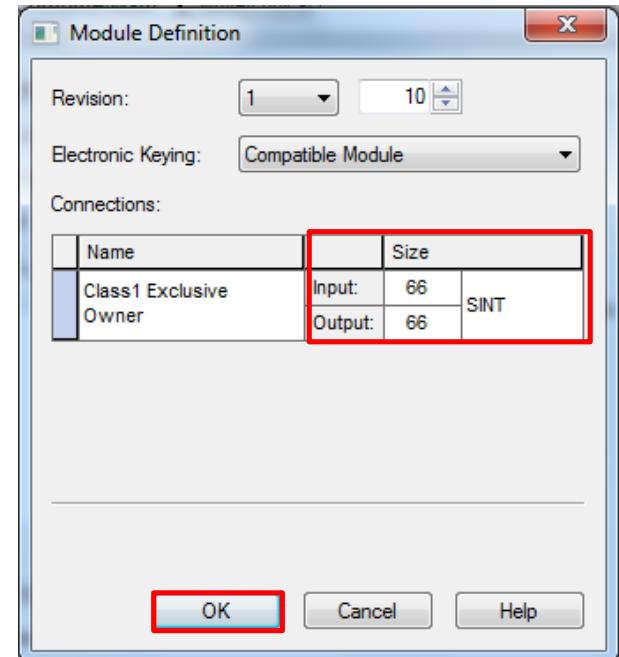
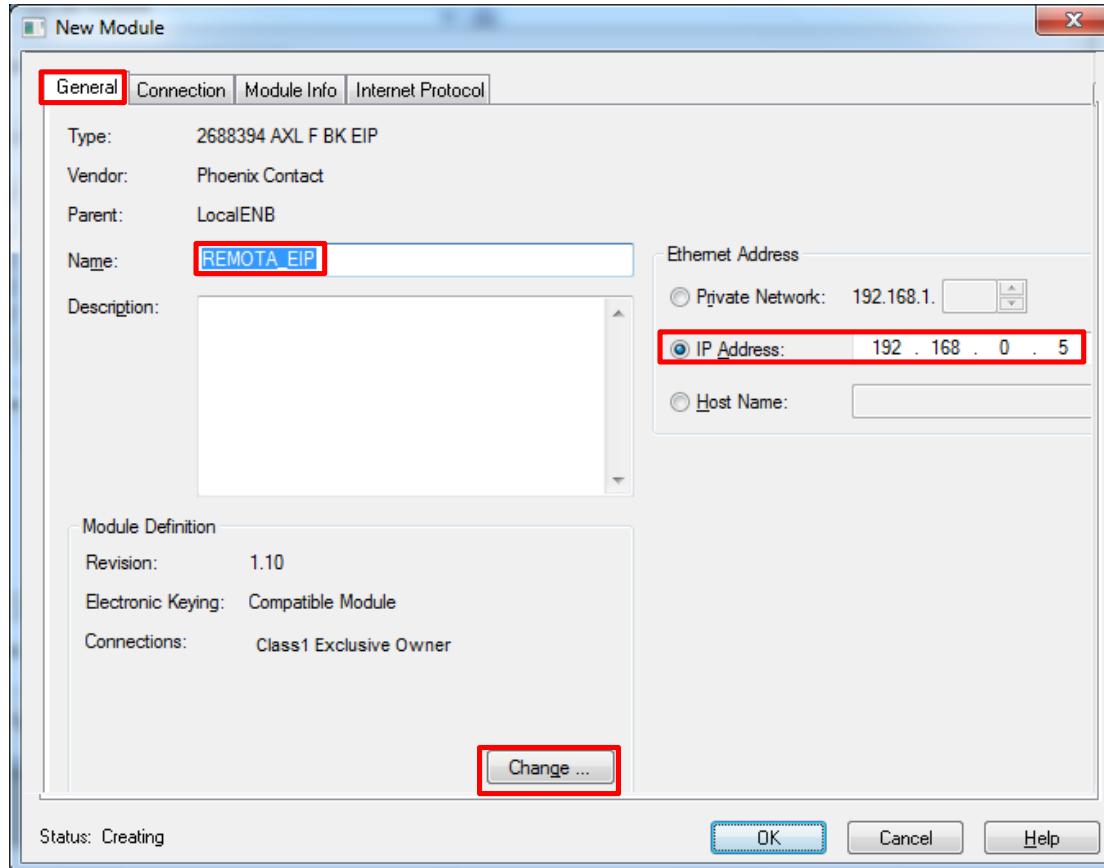
Desmarque o checkbox e role a lista de fabricantes até encontrar **Phoenix Contact**

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

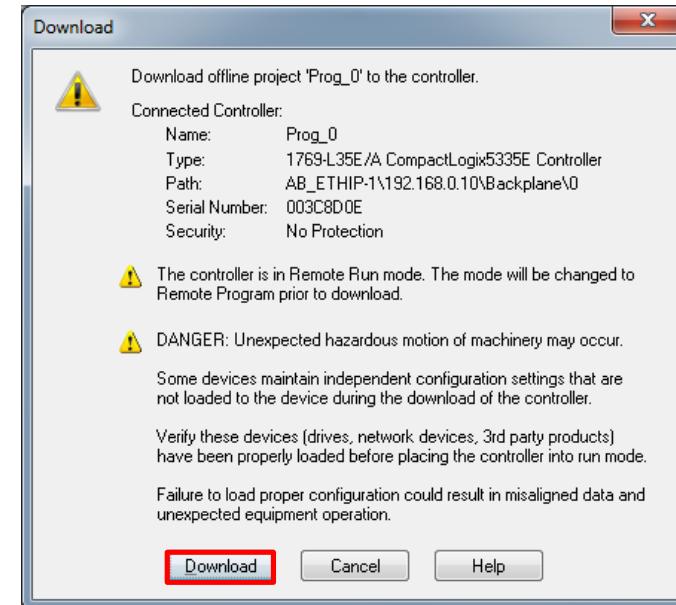
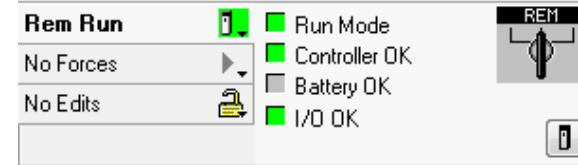
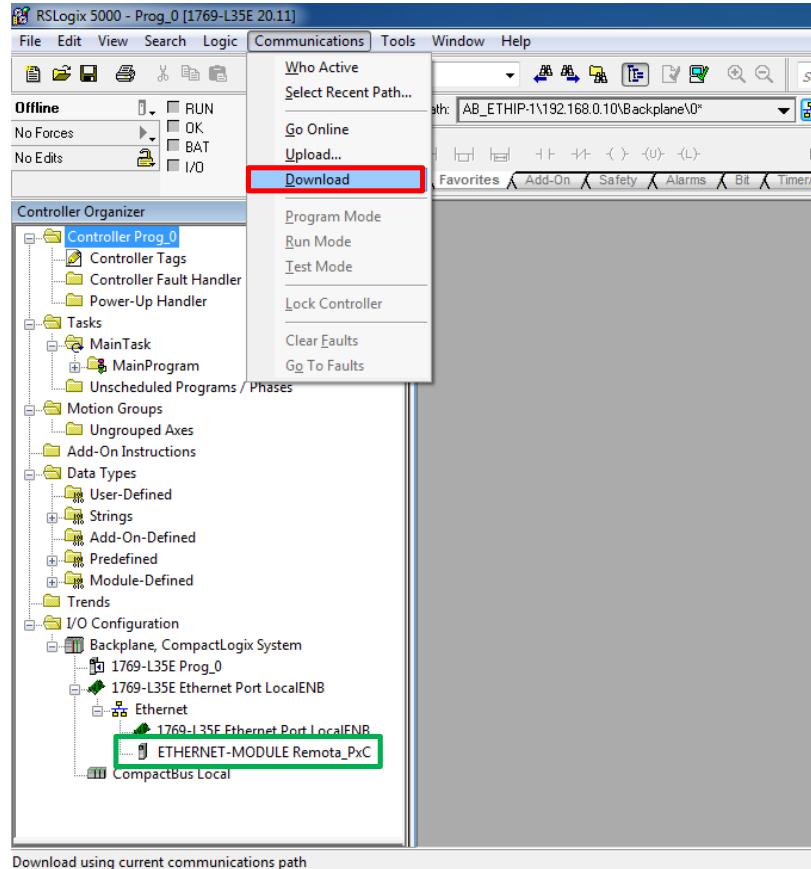
1 de 274 Tipos de module Encontrado

Fechar ao criar Criar Fechar Ajuda

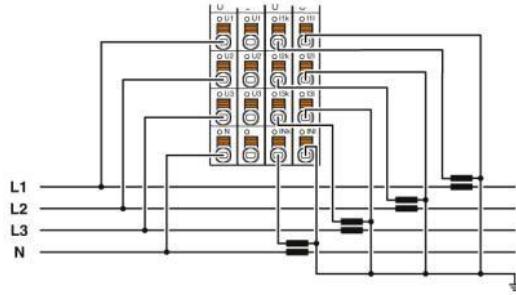
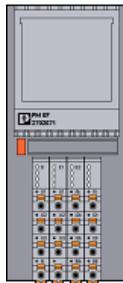
Adicionar a REMOTA AXL F BK EIP a arquitetura do projeto



Download das configurações para o CLP e status de configuração OK

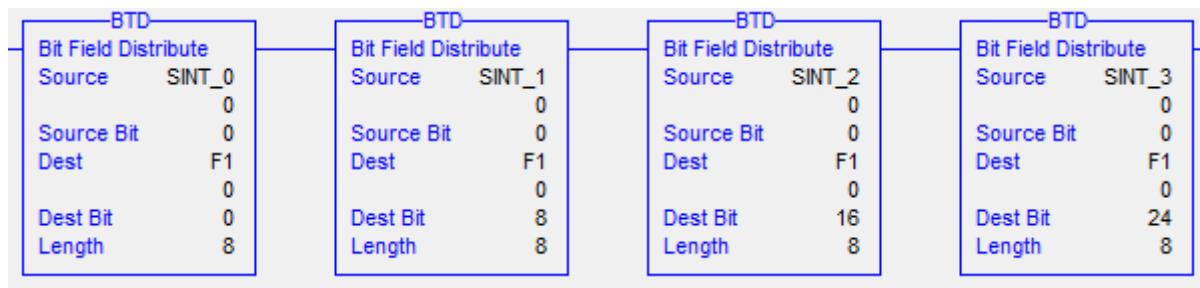


Process Data do cartão de medição de energia



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 _{hex} : 00_{hex} : root mean square value (RMS) 01_{hex} : instantaneous value								Depending on object 0E12 _{hex} : 00_{hex} : power 01_{hex} : energy																	
	Depending on object 0E13 _{hex} : 00_{hex} : phase voltage 01_{hex} : phase conductor voltage																									

Functions Blocks criados para conversão de BTD (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

www.phoenixcontact.com.br