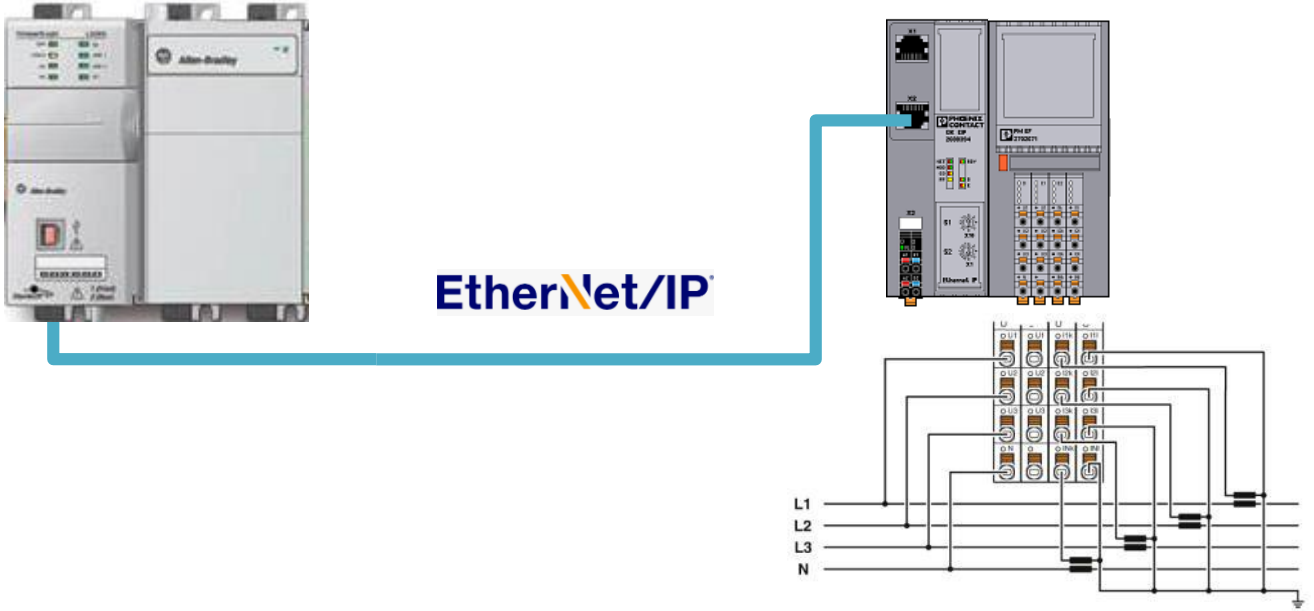
Guia de Configuração

CLP L35E e Remota AXL EIP + Cartão de Energia



PHOENIX CONTACT
INSPIRING INNOVATIONS

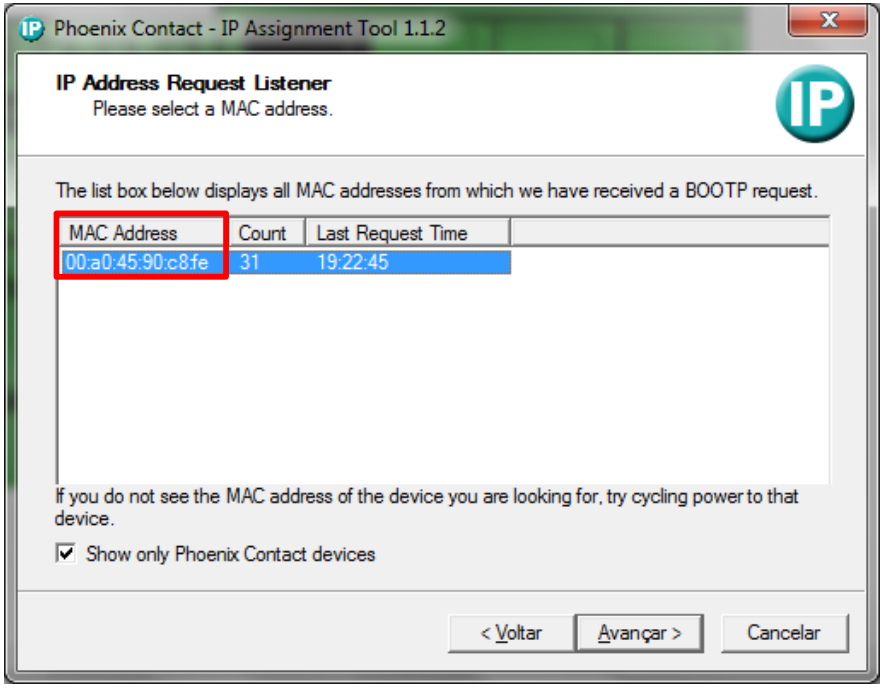
Procedimento para restar configuração e IP e ativar o modo BootP

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;

PHOENIX CONTACT
INSPIRING INNOVATIONS

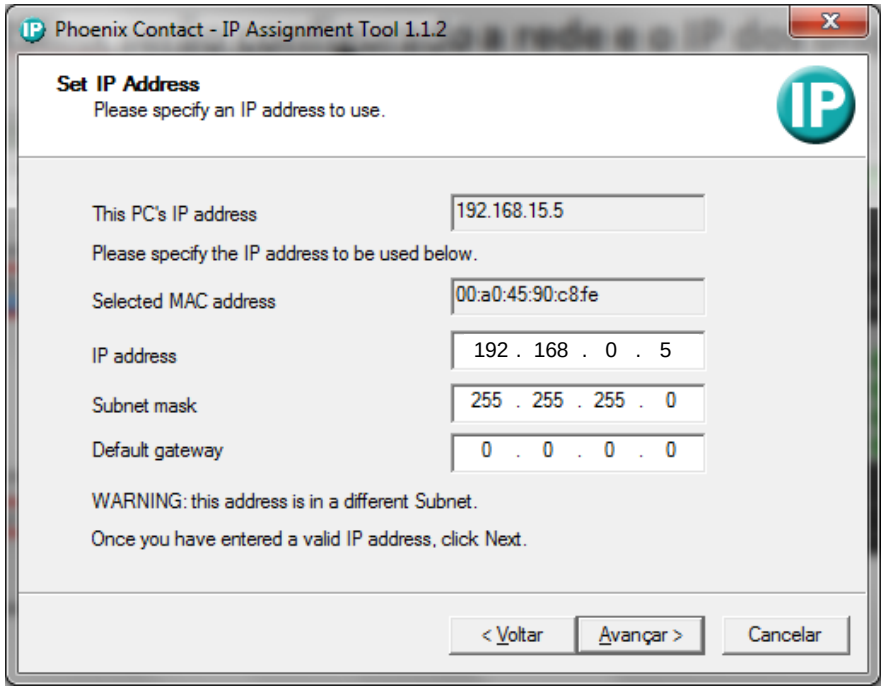
Configuração do IP da REMOTA via software IP Assignment Tool

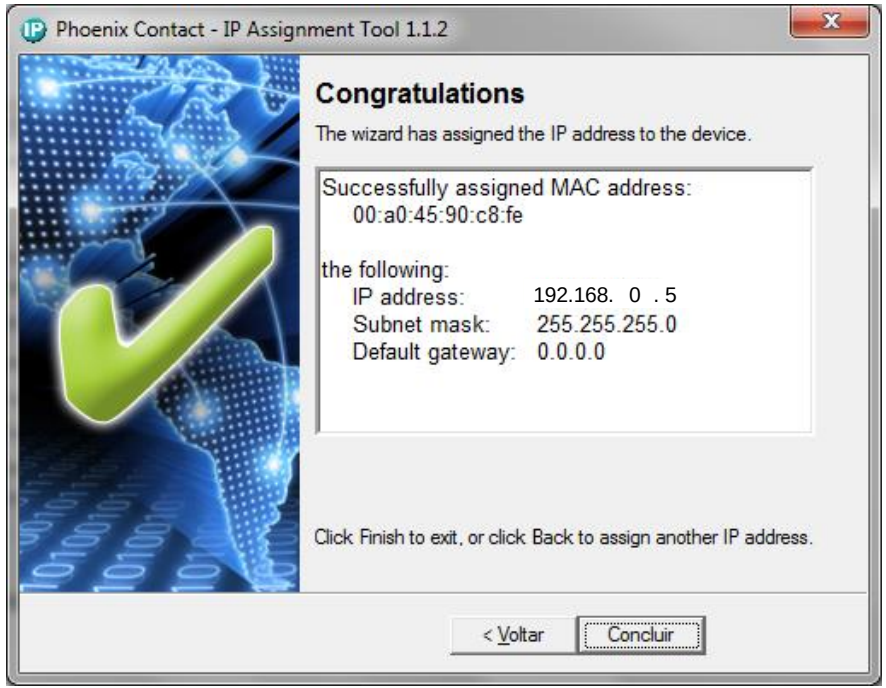
Configuração do IP da REMOTA via software IP Assignment Tool



PHOENIX CONTACT
INSPIRING INNOVATIONS

Configuração do IP da REMOTA via software IP Assignment Tool





PHOENIX CONTACT
INSPIRING INNOVATIONS

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

PHOENIX CONTACT
INSPIRING INNOVATIONS

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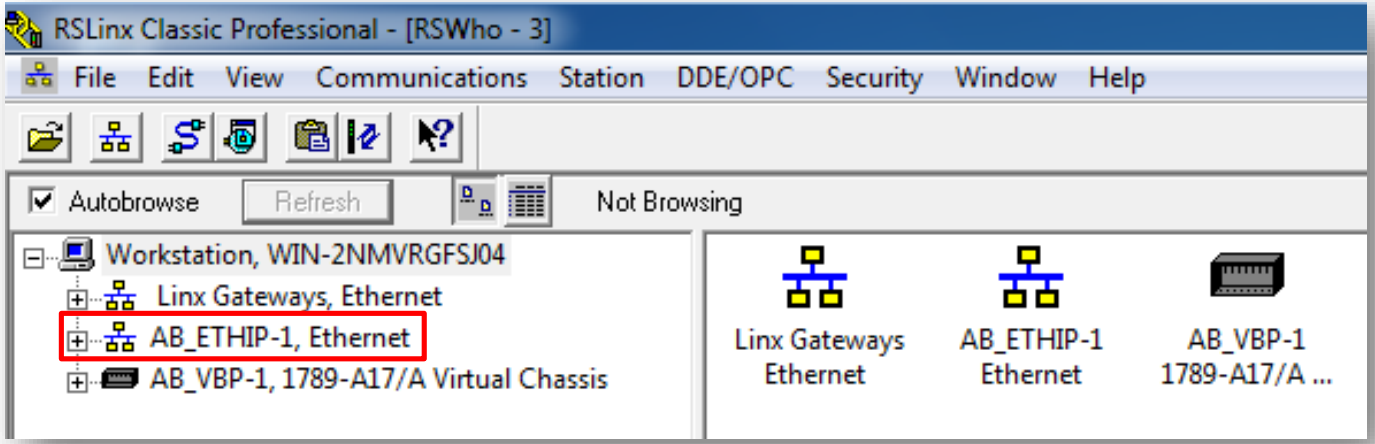

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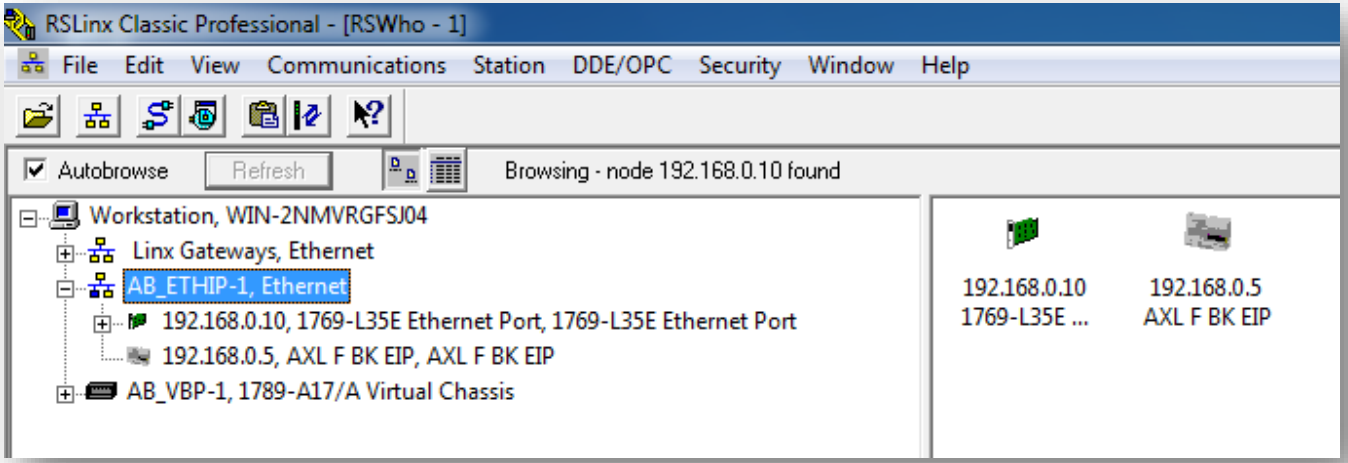
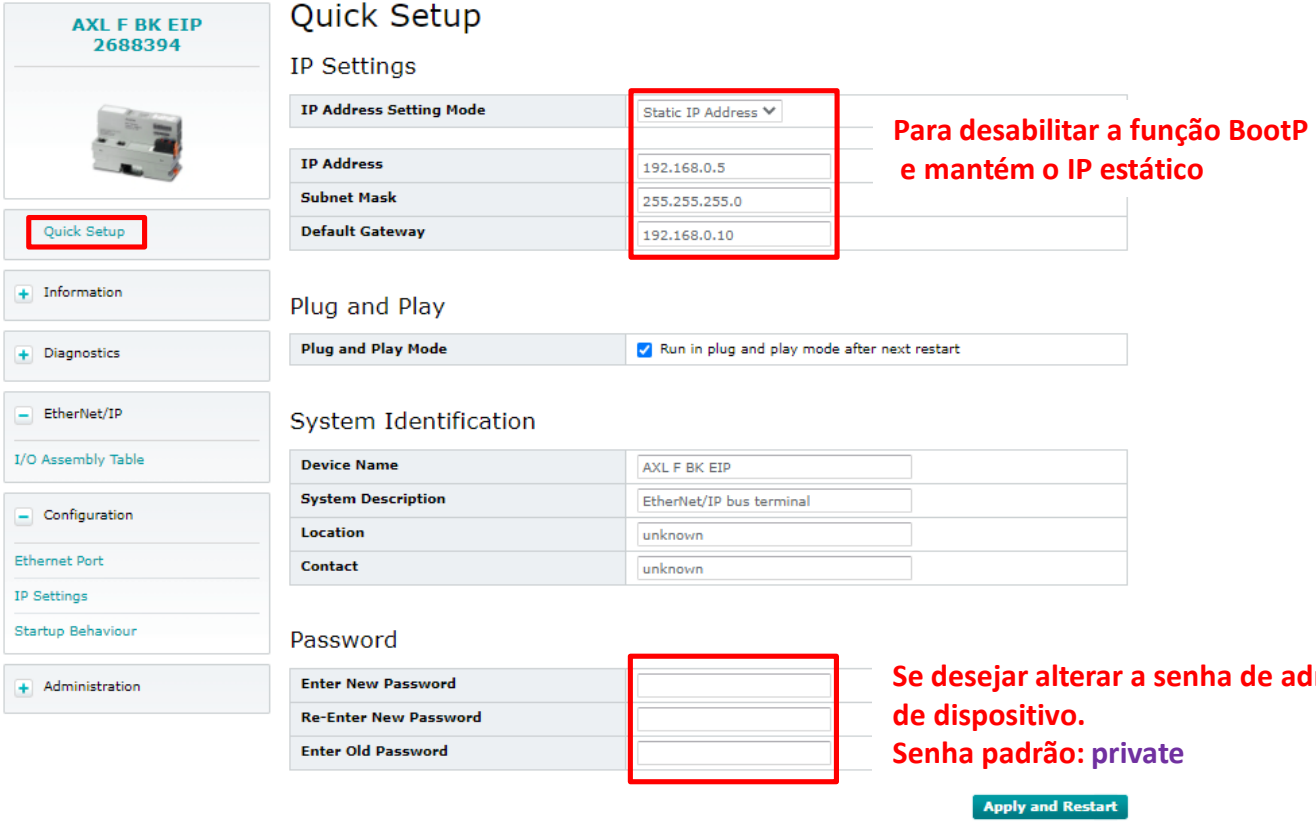


PHOENIX CONTACT
INSPIRING INNOVATIONS

Leitura de parâmetros e configurações da REMOTA via browser

INSPIRING INNOVATIONS

Configurações de parâmetros da REMOTA via browser

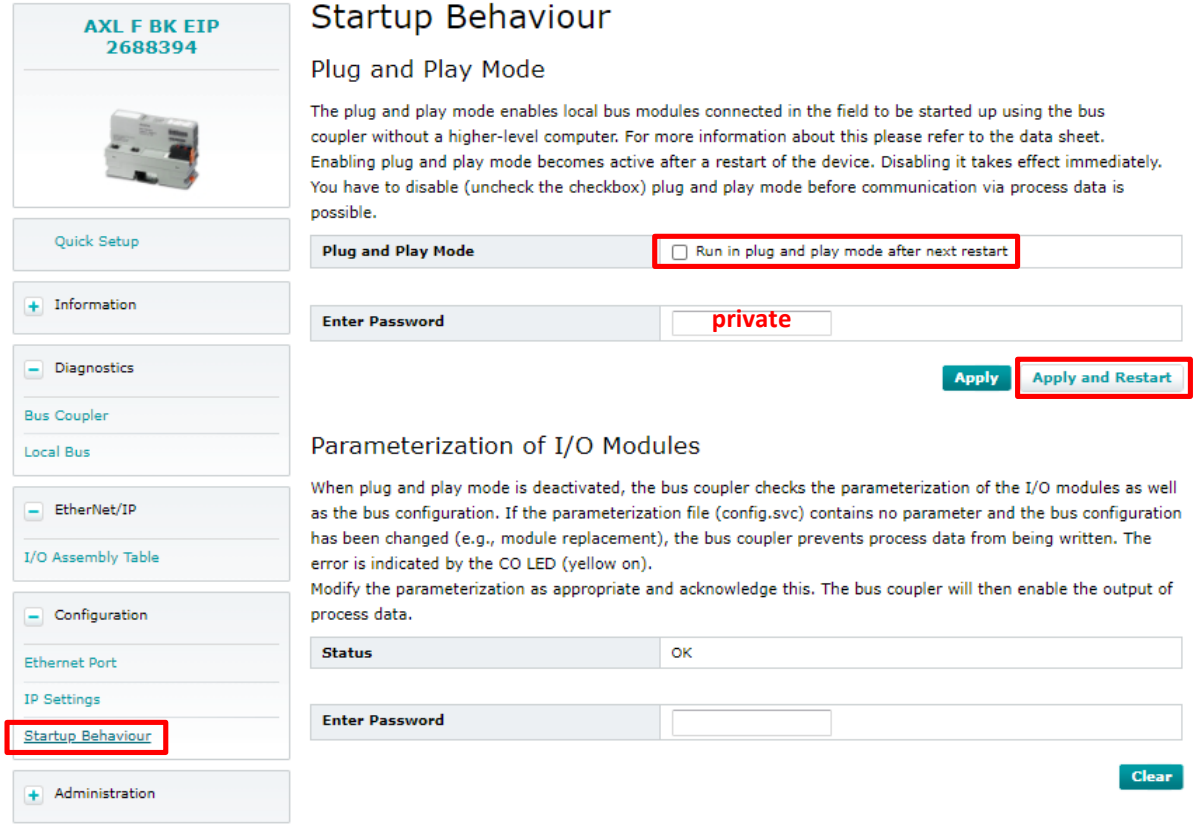


Para desabilitar a função BootP e mantém o IP estático

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

PHOENIX CONTACT
INSPIRING INNOVATIONS

Configurações de parâmetros da REMOTA via browser



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.

PHOENIX CONTACT
INSPIRING INNOVATIONS

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
					Instance: 110 Size: 66 Byte	Instance: 100 Size: 66 Byte
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

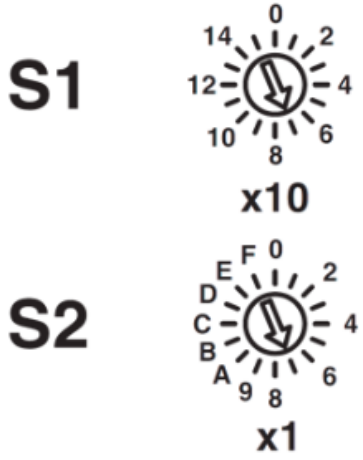
Tamanho de memória a ser reservada para a REMOTA no RS Logix5000.

PHOENIX CONTACT
INSPIRING INNOVATIONS

Configurações via dip switch

Rotary Encoding Switches

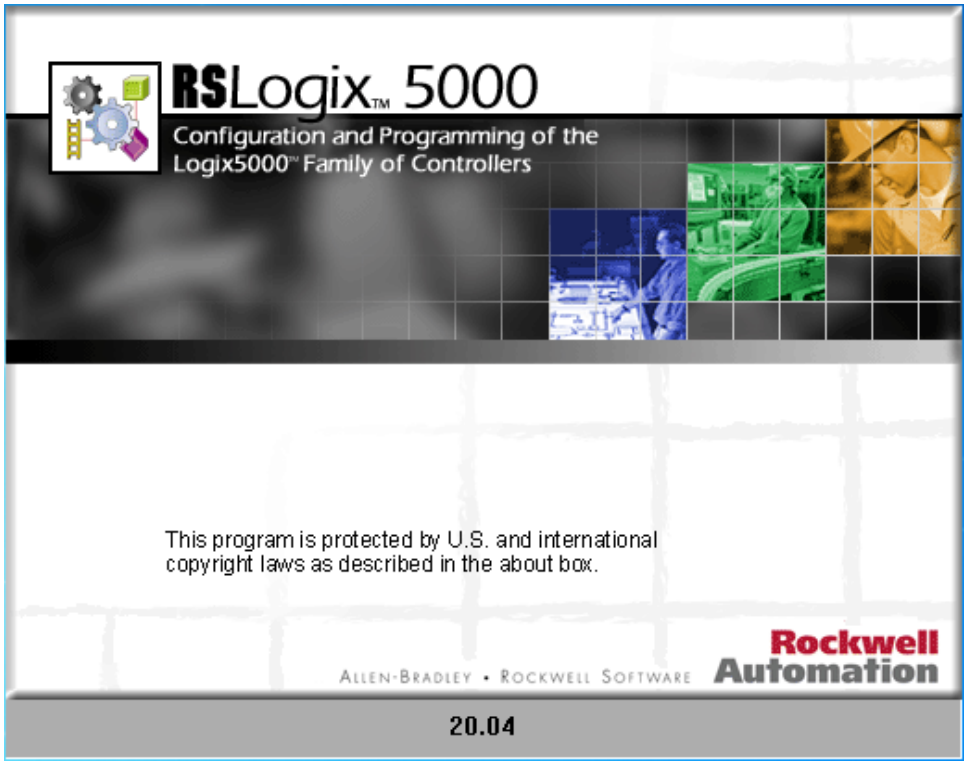
The following rotary encoding switch positions are possible:



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

PHOENIX CONTACT
INSPIRING INNOVATIONS

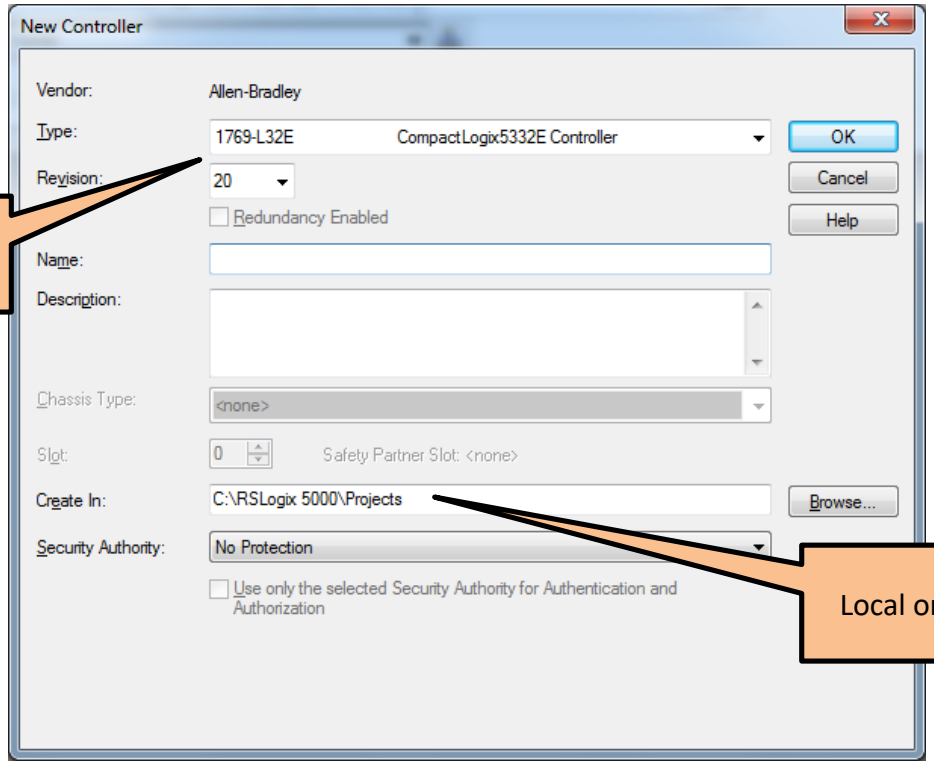
Iniciar o projeto no RS Logix5000



PHOENIX CONTACT
INSPIRING INNOVATIONS

Iniciar o projeto no RS Logix5000

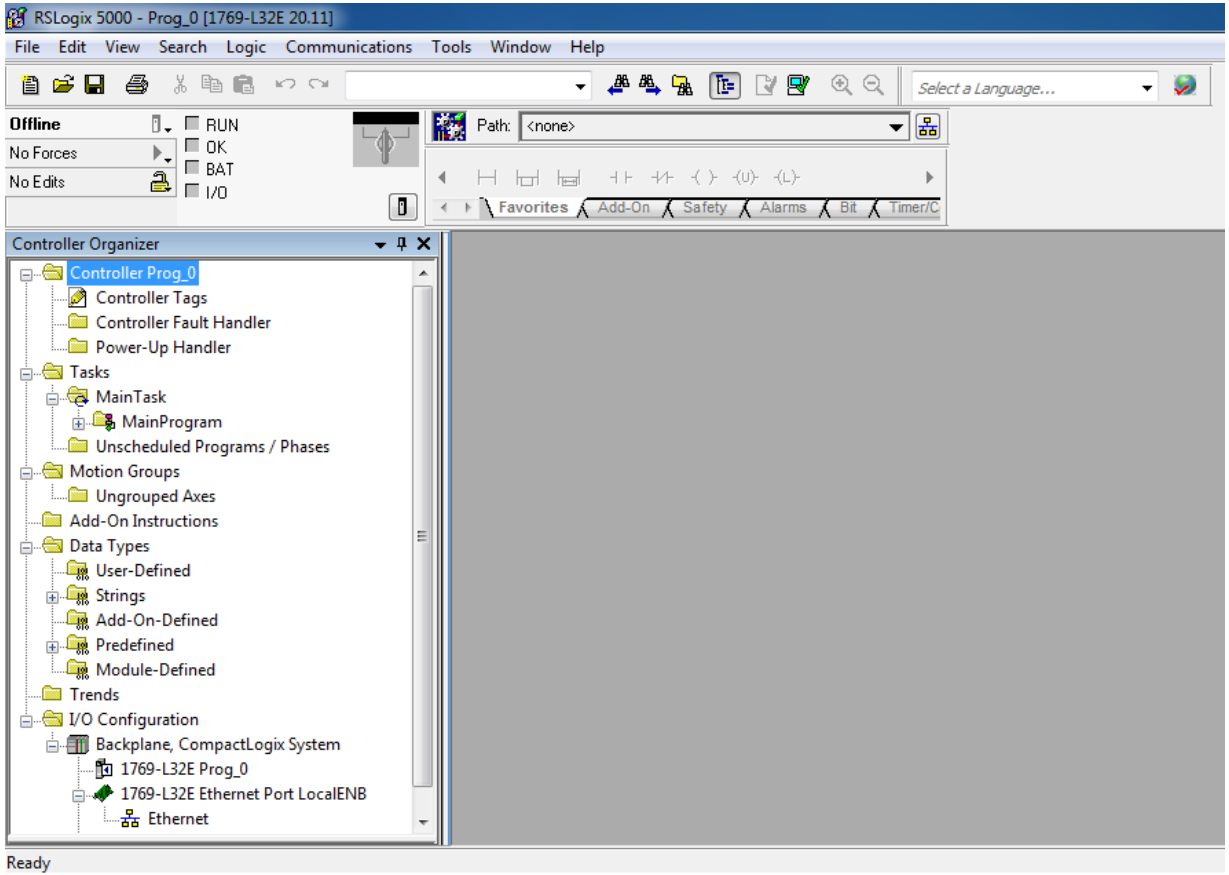
Selecionar o modelo da CPU e versão de firmware



Local onde será salvo o projeto

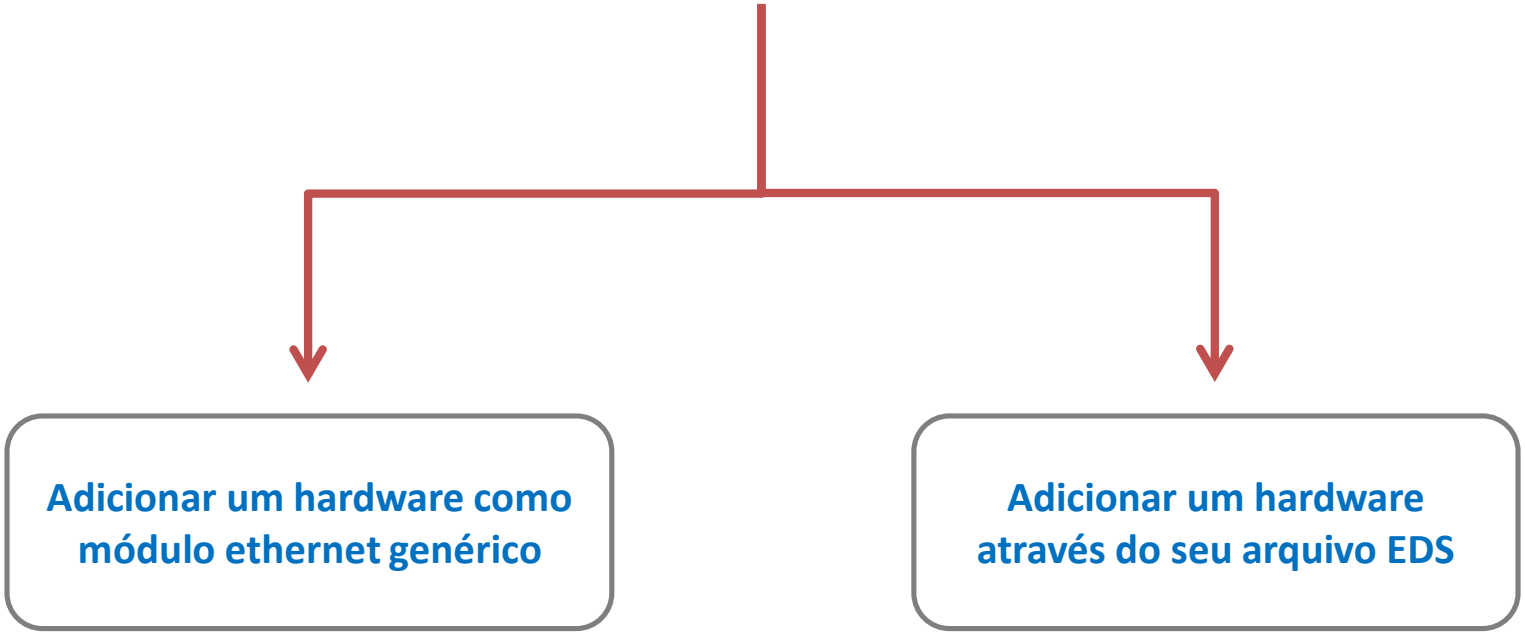
PHOENIX CONTACT
INSPIRING INNOVATIONS

Iniciar o projeto no RS Logix5000

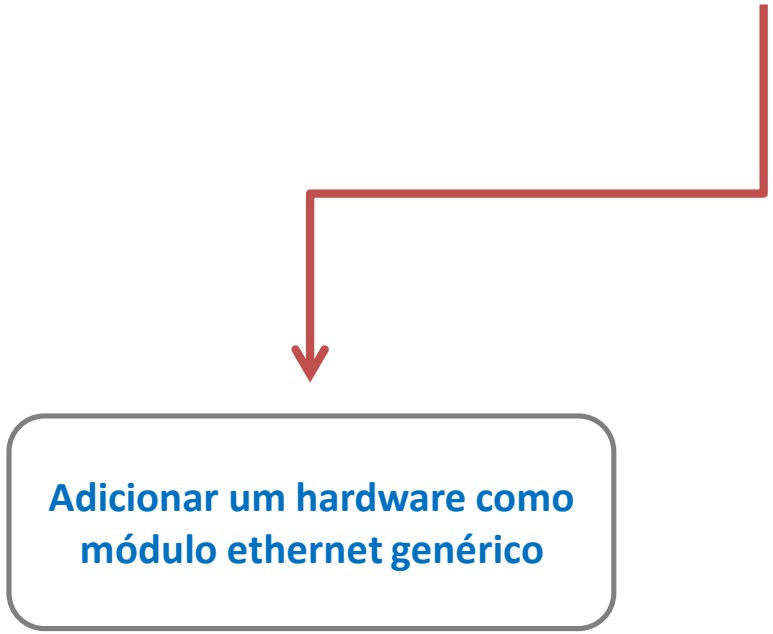


PHOENIX CONTACT
INSPIRING INNOVATIONS

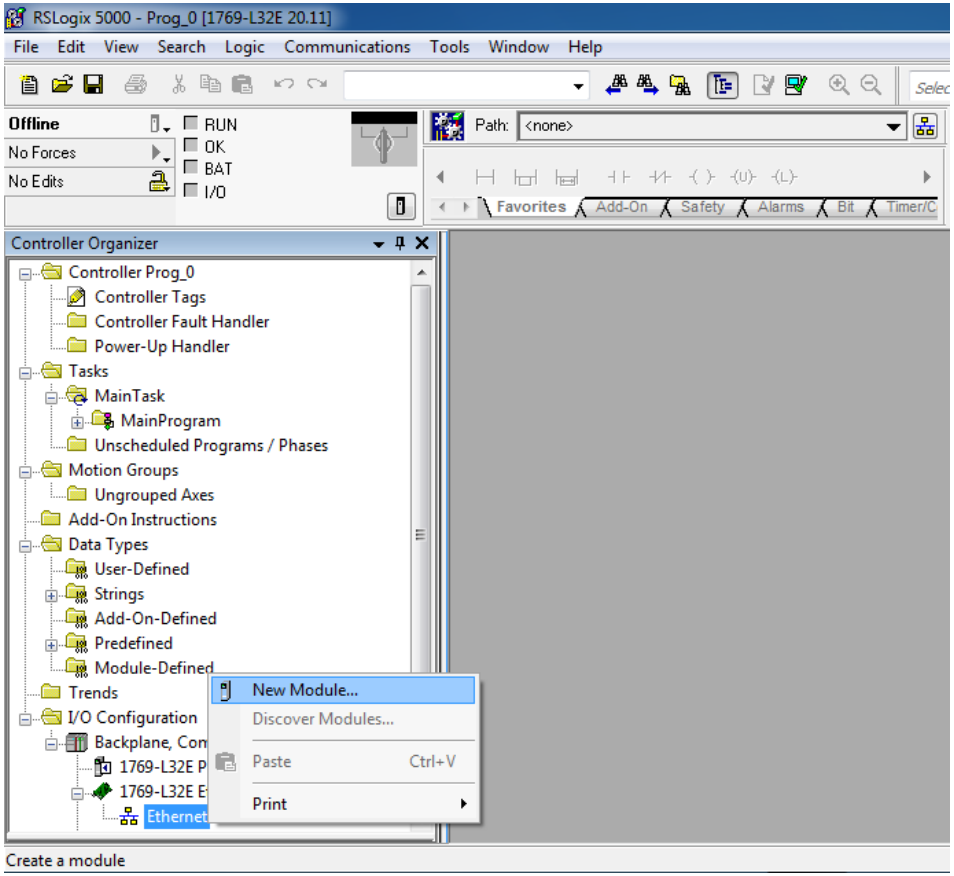
Existem duas formas de adicionar a REMOTA a arquitetura do projeto IL EIP BK DI8 DO4 2TX-PAC



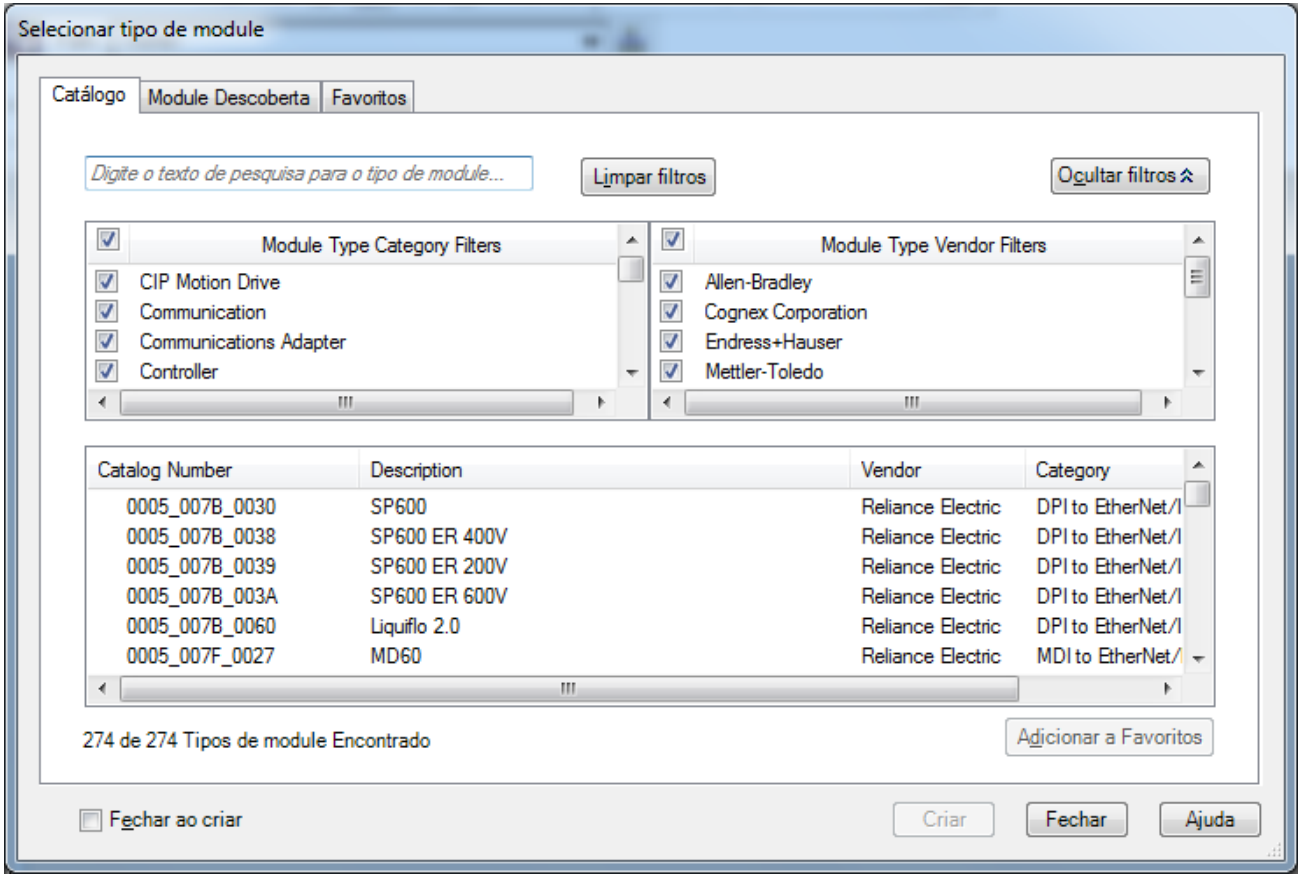
Existem duas formas de adicionar a REMOTA a arquitetura do projeto AXL F BK EIP



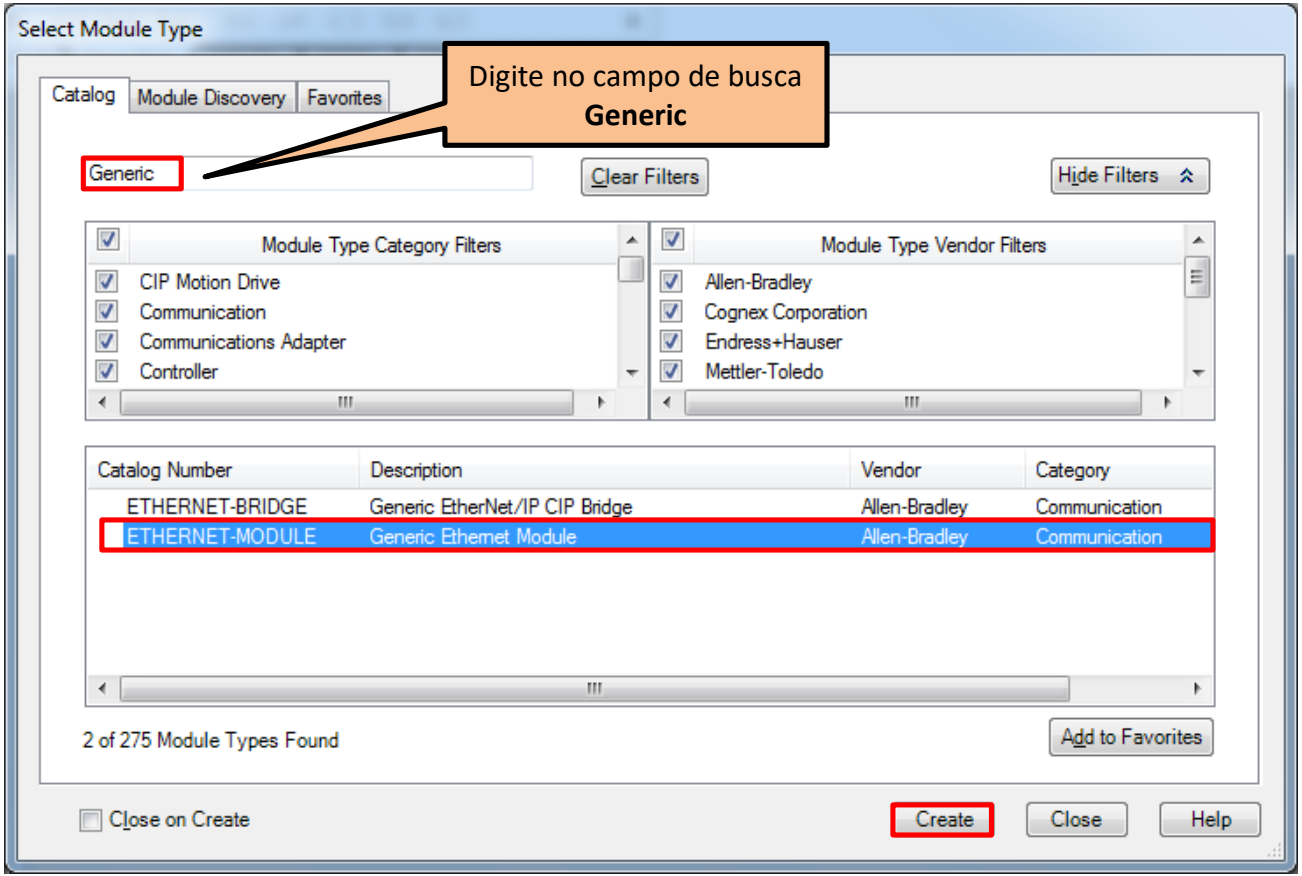
Adicionar a REMOTA como módulo ethernet genérico



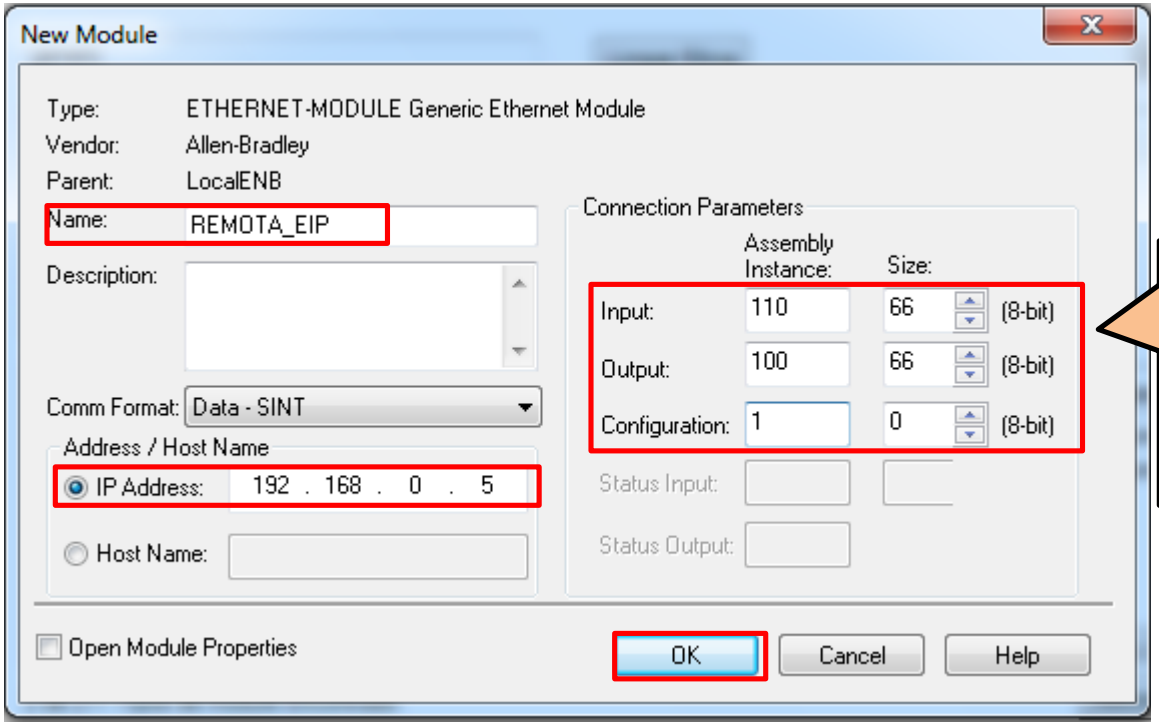
Adicionar a REMOTA como módulo ethernet genérico



Adicionar a REMOTA como módulo ethernet genérico



Adicionar a REMOTA como módulo ethernet genérico



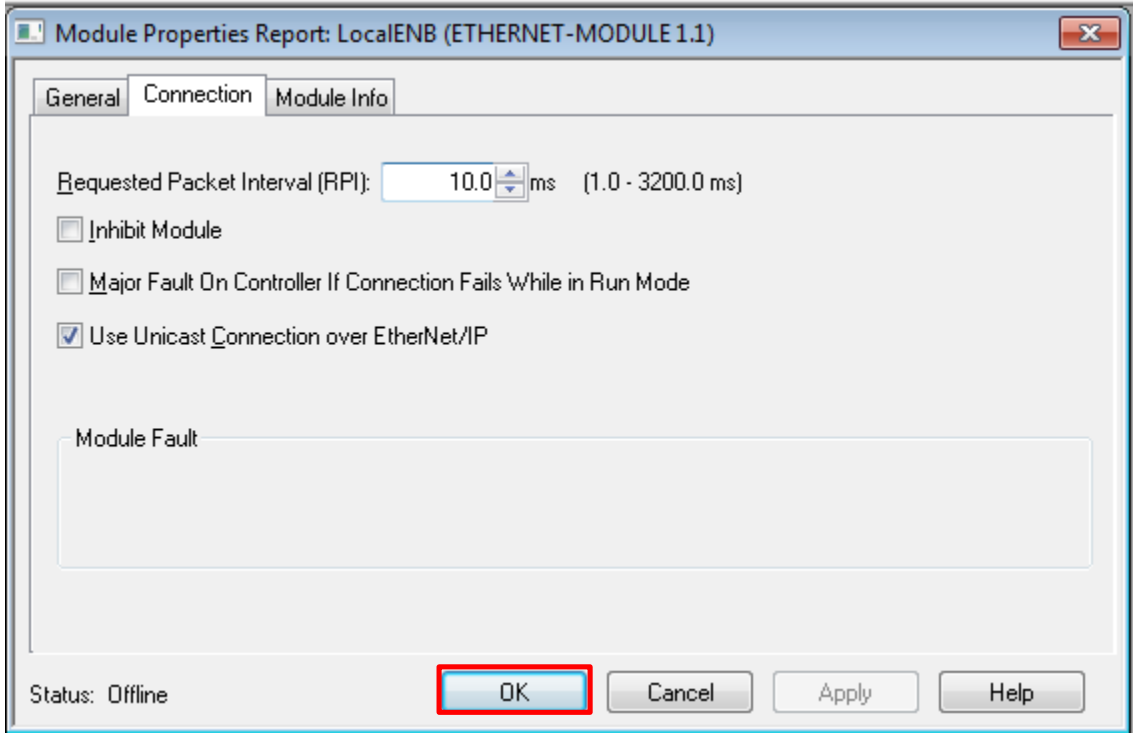
EtherNet/IP I/O Assembly	
Input	**Output**
Instance: 110 Size: 66 Byte	Instance: 100 Size: 66 Byte

Reserva de memória necessária para dados de entrada e saída.

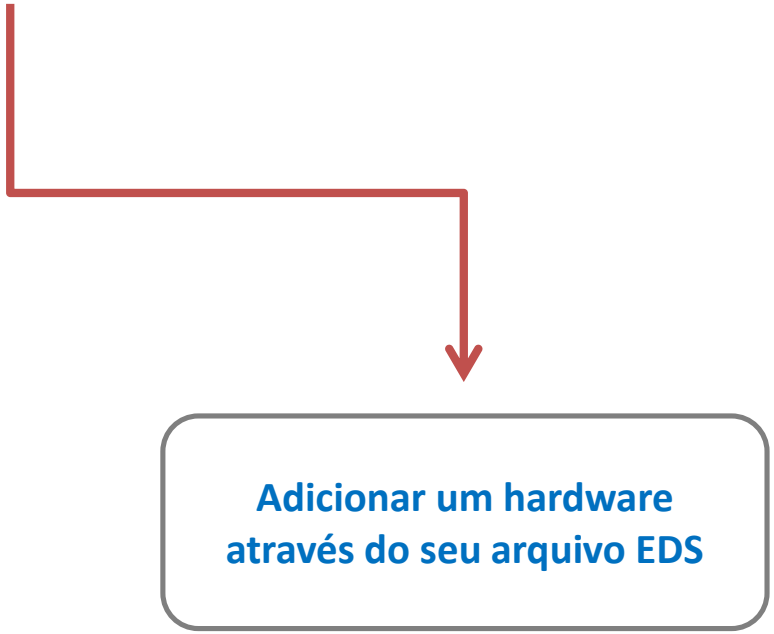
Configurar conforme visualizado na pagina web da REMOTA.

PHOENIX CONTACT
INSPIRING INNOVATIONS

Adicionar a REMOTA como módulo ethernet genérico



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



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

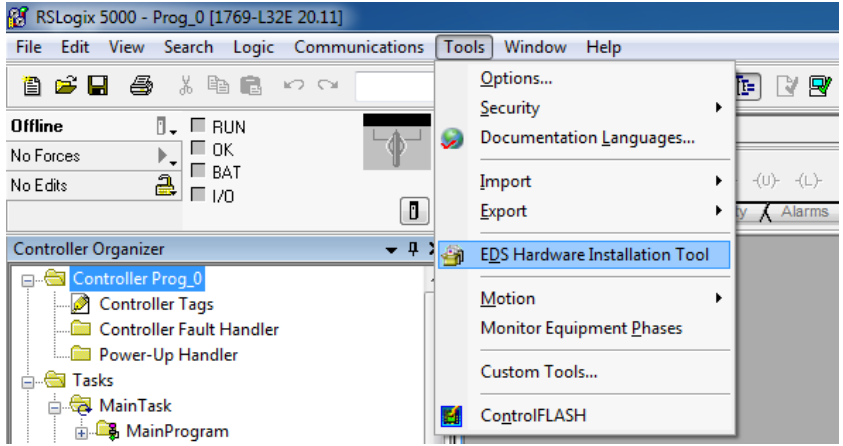
Visão geral | Dados técnicos | Acessórios | Certificações | **Downloads**

Descrição do equipamento

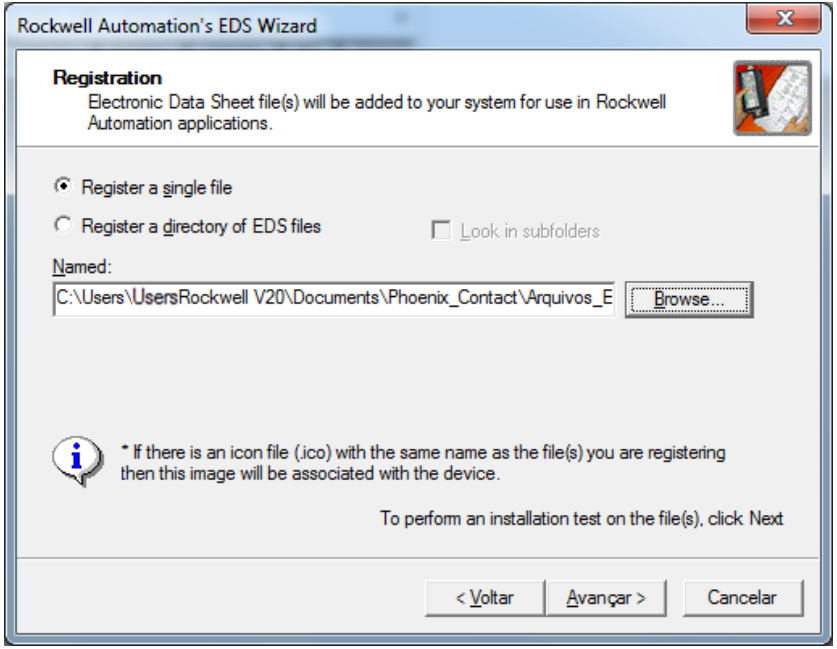
	Descrição	Idioma	Versão
☐	[zip, 5 KB] **Descrição do equipamento** Firmware; arquivo ESD AXLFBKEIP_V110.zip	Internacional	1.10
☐	[zip, 5 KB] **Descrição do equipamento** EDS-Datei für die Projektierung EDS_AXLFBKEIP_V120.zip	Internacional	1.20

PHOENIX CONTACT
INSPIRING INNOVATIONS

Instalar o EDS do hardware AXL F BK EIP

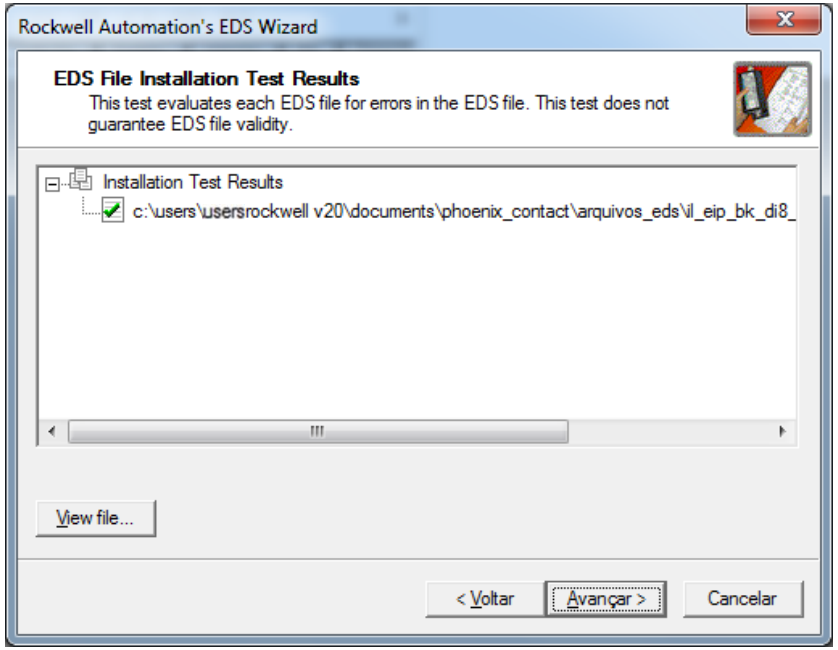


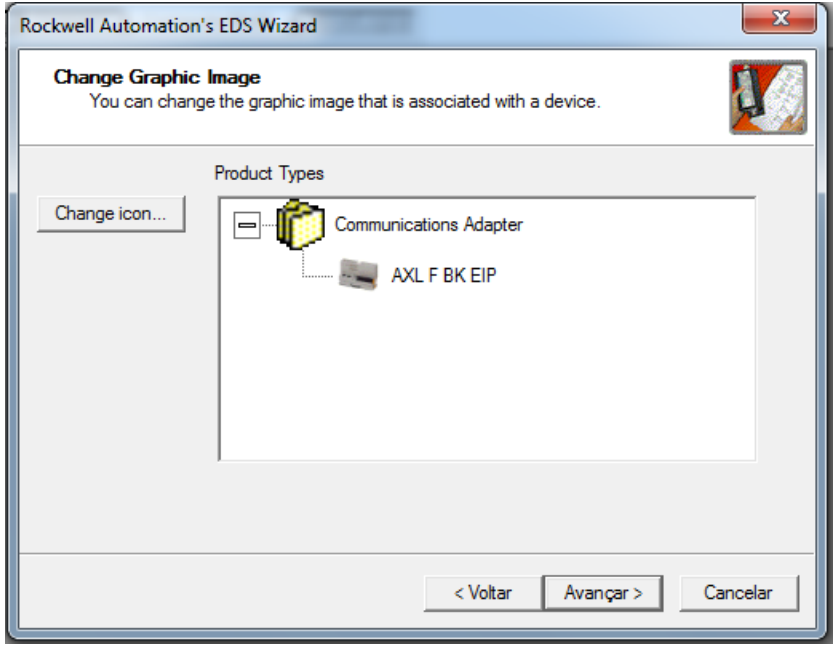
Instalar o EDS do hardware AXL F BK EIP



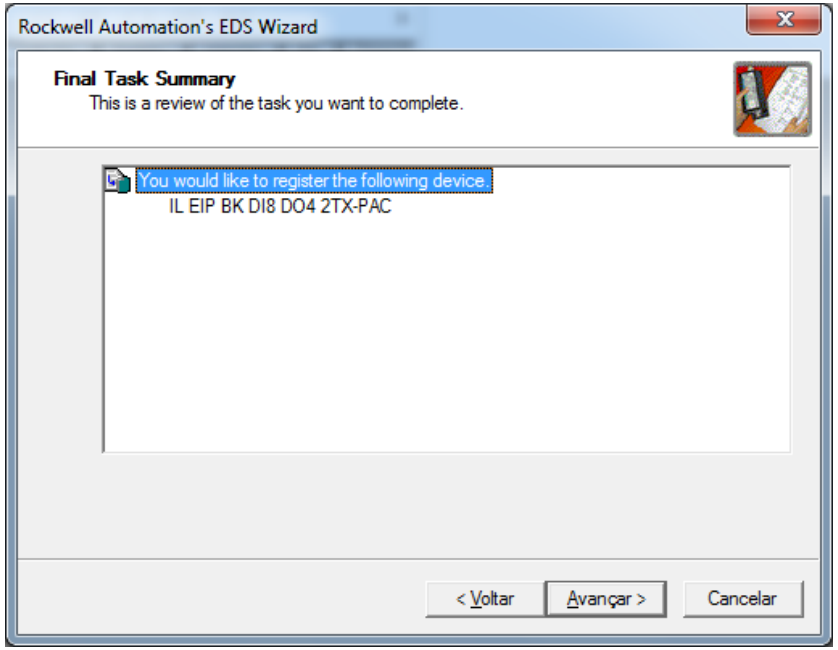
PHOENIX CONTACT
INSPIRING INNOVATIONS

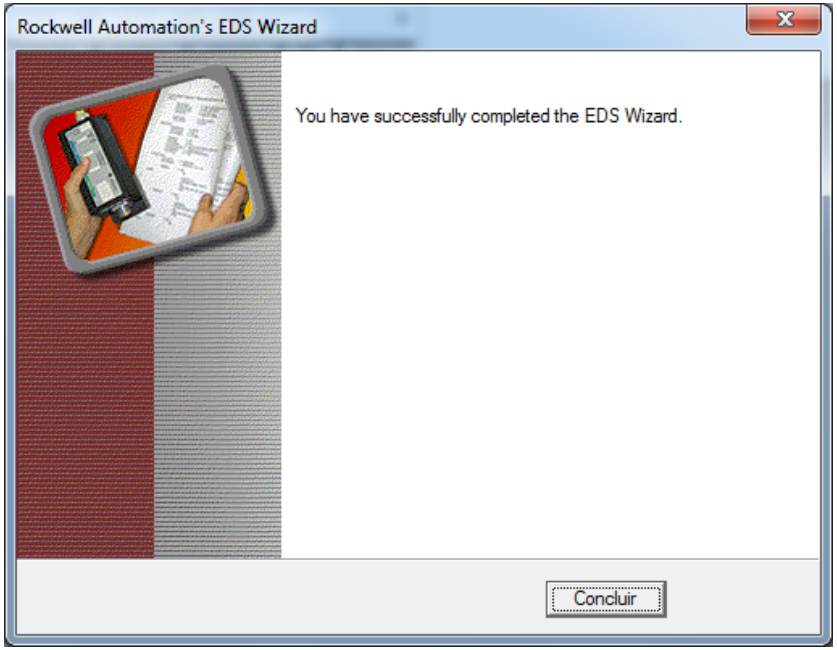
Instalar o EDS do hardware AXL F BK EIP





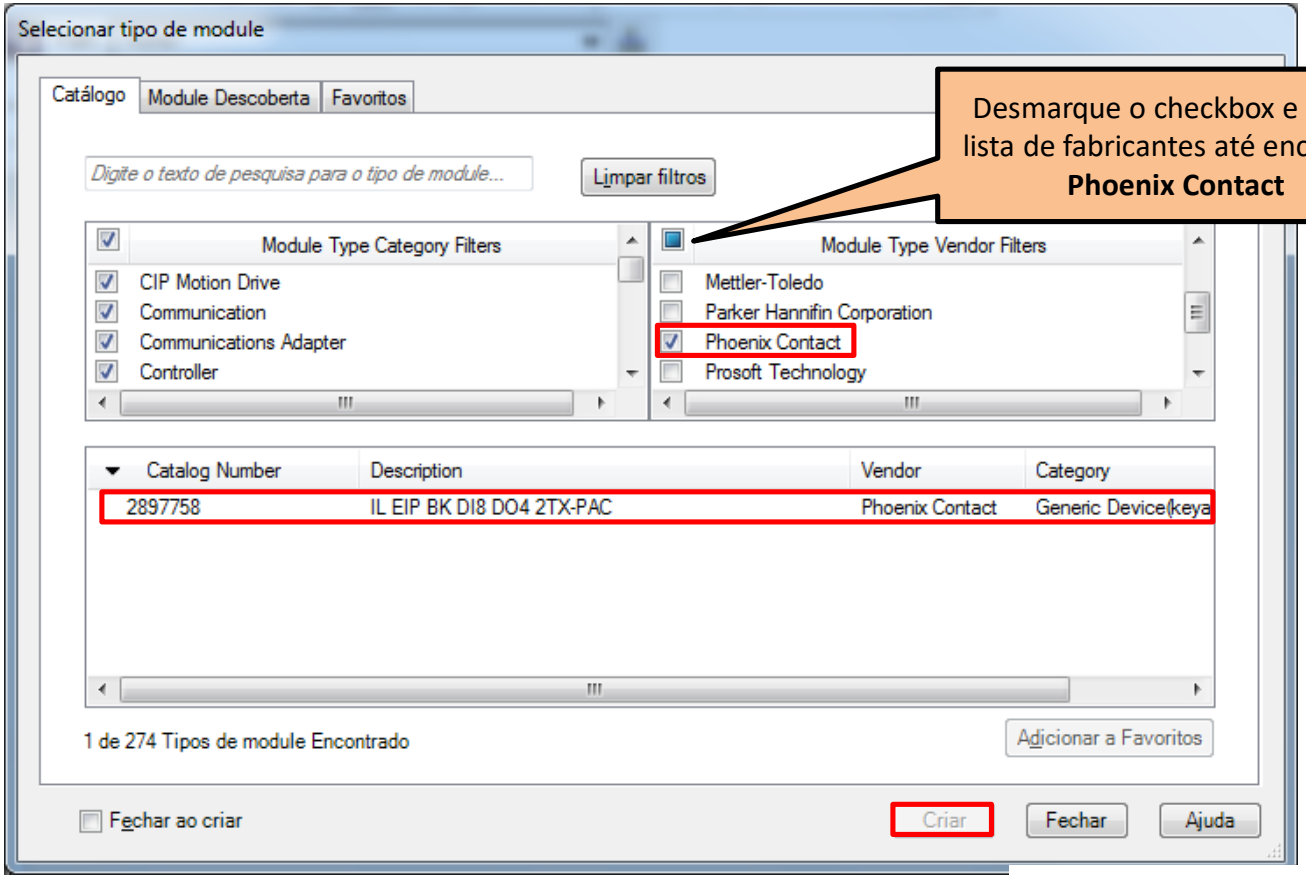
Instalar o EDS do hardware AXL F BK EIP





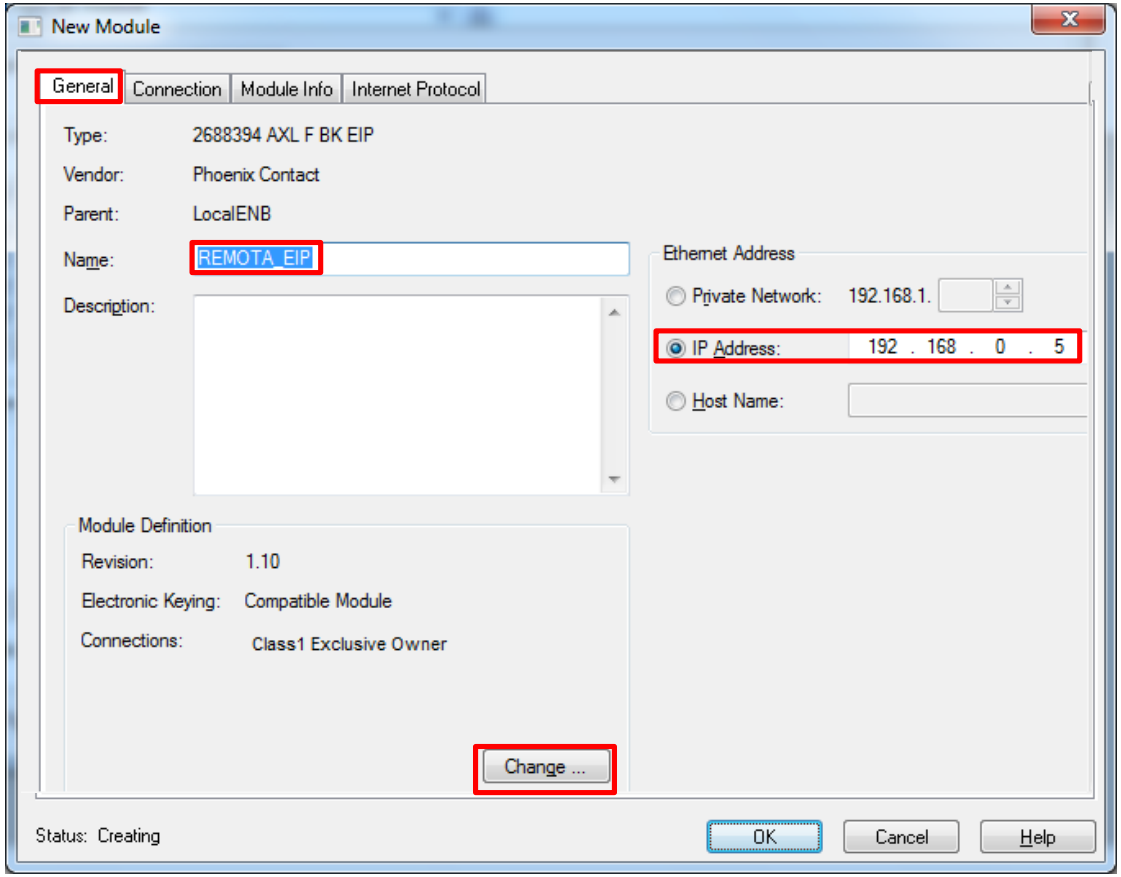
PHOENIX CONTACT
INSPIRING INNOVATIONS

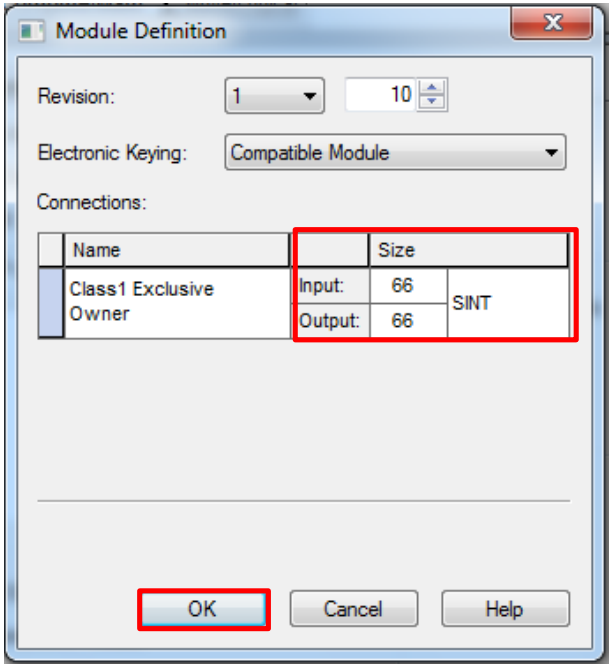
Adicionar a REMOTA AXL F BK EIP a arquitetura do projeto



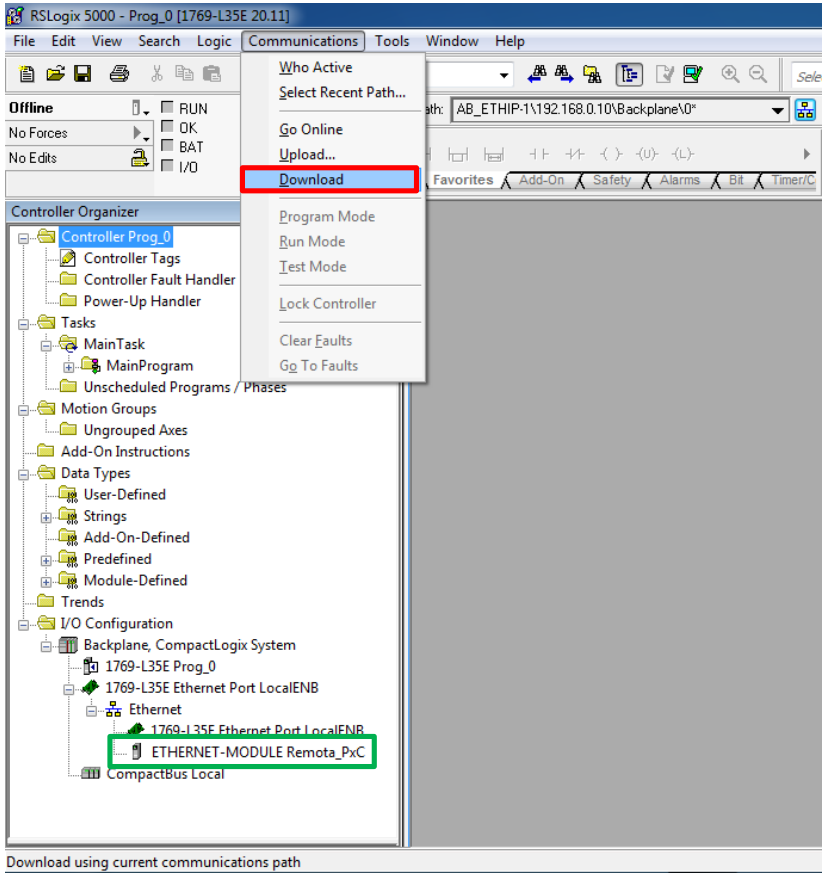
PHOENIX CONTACT
INSPIRING INNOVATIONS

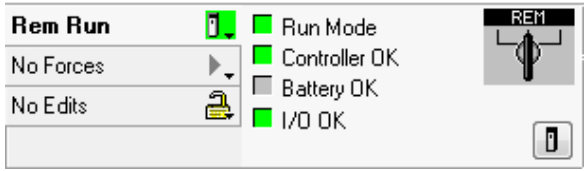
Adicionar a REMOTA AXL F BK EIP a arquitetura do projeto

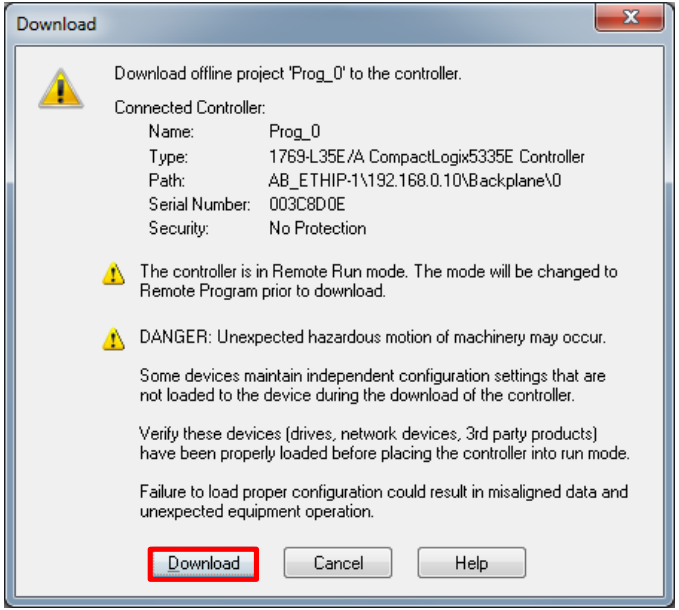




Download das configurações para o CLP e status de configuração OK

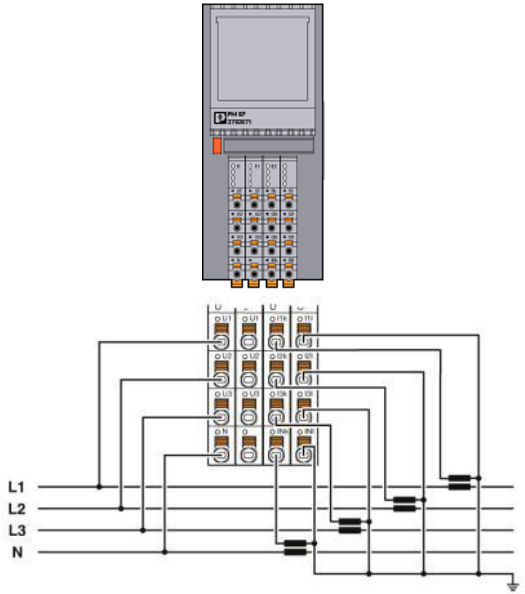






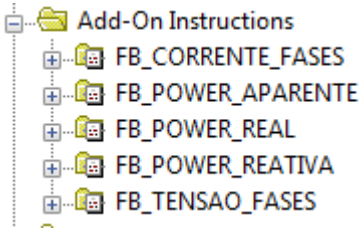
PHOENIX CONTACT
INSPIRING INNOVATIONS

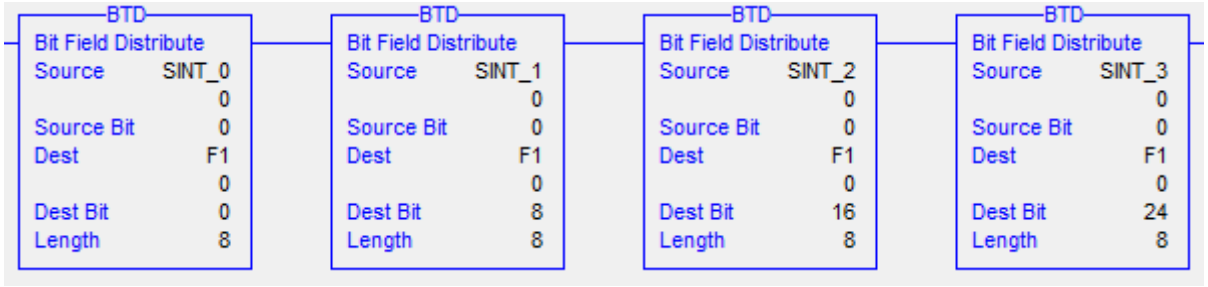
Process Data do cartão de medição de energia



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)





PHOENIX CONTACT
INSPIRING INNOVATIONS

Valores de Tensão e Corrente

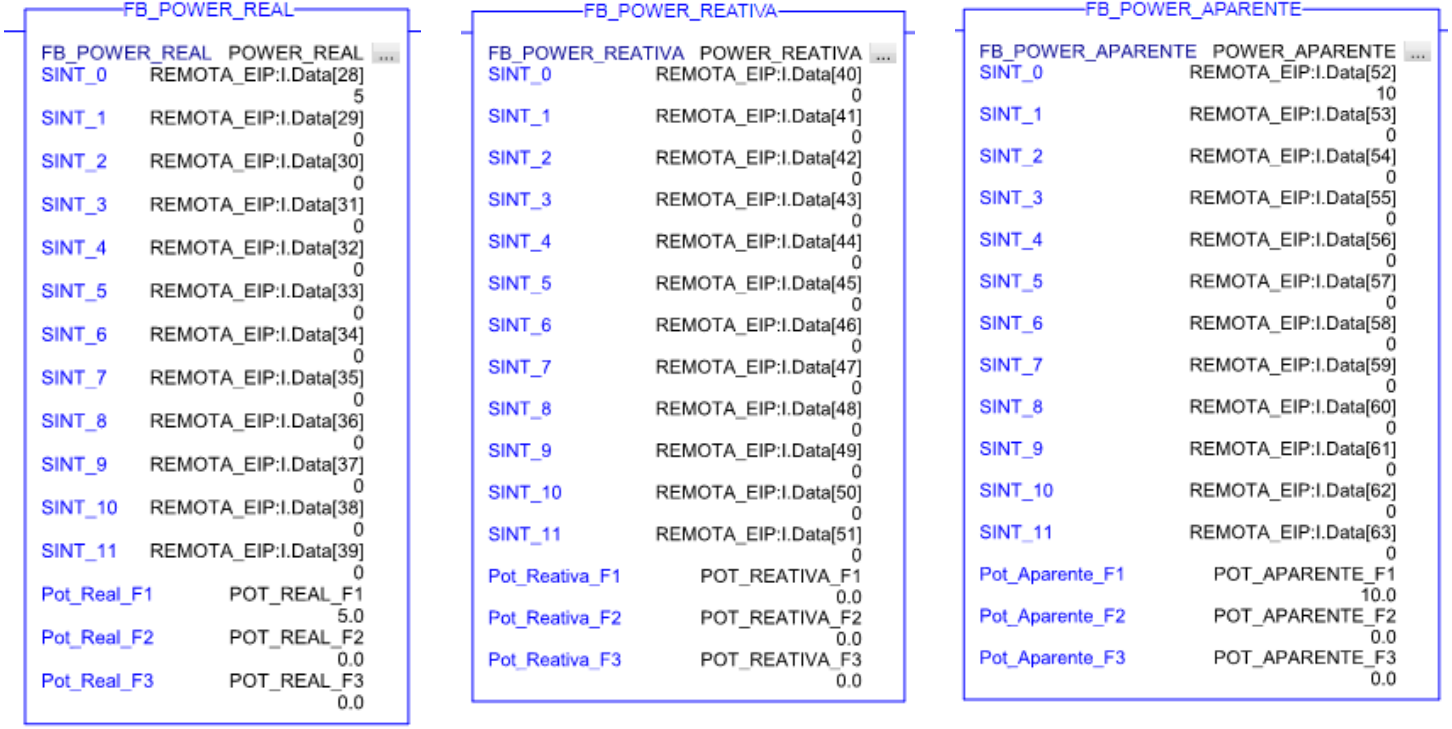
FB_TENSAO_FASES

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



Pronto!!!

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

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