允许 modbusTCP 服务穿过控制器或者工控机防火墙的方法

1 通过远程桌面或者外接显示器的方式,进入操作系统,打开控制面板,选择 system and security 系统安全设定。

Adjust your computer's settings	View by: Category 🔻
System and Security	User Accounts
Network and Internet Connect to the Internet View network status and tasks Choose homegroup and sharing options	Add of femore dat accounts Appearance and Personalization Change the theme Change desktop background Adjust screen resolution
Hardware and Sound View devices and printers Add a device	Clock, Language, and Region Change keyboards or other input methods Change display language
Programs Uninstall a program	Ease of Access Let Windows suggest settings Optimize visual display

2 选择 windows firewall 防火墙设定。



3 选择 allow a program or feature through windows Firewall 允许程序穿过防火墙。

Control Panel Home	Help protect your computer wi	th Windows Firewall	
Allow a program or feature through Windows Firewall	Windows Firewall can help prevent hack through the Internet or a network.	ers or malicious software from gaining access to your computer	
Change notification settings	How does a firewall help protect my cor	nputer?	
Turn Windows Firewall on or	What are network locations?		
off Restore defaults	🛛 🥑 Home or work (private) networks Not Connected 📎	
Advanced settings	Public networks	Connected 📀	
	Networks in public places such as airpo	rts or coffee shops	
	Windows Firewall state:	On	
	Incoming connections:	Block all connections to programs that are not on the list of allowed programs	
	Active public networks:	Unidentified network	
	Notification state:	Do not notify me when Windows Firewall blocks a new program	
	L		
See also			
Action Center			

4 选择 allow another program 添加程序。

Allow programs to communicate through Windov	vs Firewall		
To add, change, or remove allowed programs and ports, click Cha	ange settings.		
What are the risks of allowing a program to communicate?	😗 Chai	nge settings	
Allowed programs and features:			
Name	Home/Work (Private)	Public 🔺	
BITS Peercaching			
BranchCache - Content Retrieval (Uses HTTP)			
BranchCache - Hosted Cache Client (Uses HTTPS)			
BranchCache - Hosted Cache Server (Uses HTTPS)			
BranchCache - Peer Discovery (Uses WSD)			
Client for NFS			
Core Networking			
Distributed scan client components			
Distributed Transaction Coordinator			
File and Printer Sharing			
FTP Server			
HomeGroup		· ·	
	Details	Remove	
	Allow anothe	r program	
	<u></u>		

5 选择 browse 手动选择程序。



6 在指定目录下找到 TcModbusSrv.exe。

Organize 🔻 New folder						
🛧 Favorites 💦 🔪 Na	ime	Date modified	Туре	Size		
💻 Desktop	TcModbusSrv.exe	7/31/2019 10:35 AM	Application	367 KB		
🗼 Downloads 🛛 👼 🖳 Recent Places	TcModbusSrvCfg.exe	11/4/2013 4:57 PM	Application	92 KB		
🕞 Libraries						
Documents Music						
📄 Pictures 📑 Videos						
🖳 Computer						
🏭 CX1800-0411-0009 v						
👝 BECKHOFF (D:)						
둌 Network						
File name:	1			 Application 	ons (*.exe:*.co	m:*.icd) 🔻

7 选择该程序点击 Add 添加。

Control Panel > System and	d Security Windows Firewall Allowed Programs		
Allow progra To add, change, What are the risk Allowed progra Name BITS Peerc BranchCac BranchCac BranchCac Client for N Core Netw Distributed Distributed File and Pri FTP Server HomeGrou	dd a Program Select the program you want to add, or click Browse to find one that is not listed, and then click OK. Programs: Beckhoff EWF Manager Beckhoff FBWF Manager Dechoff FBWF Manager Internet Explorer TPC-FeatureManager UPS configuration Windows Remote Assistance XPS Viewer Path: C:\TwinCAT\Functions\TF6250-Modbus-TCP\\ Brance What are the risks of unblocking a program? ou can choose which network location types Add Cancel	Public Public Remove	
	ОК	Cancel	

8 将 Home/Work(Private)和 Public 两个选项勾选, TcModbusSrv 就可以穿过防火墙了。

Allow programs to communicate through Windows F	irewall		
To add, change, or remove allowed programs and ports, click Change	settings.		
What are the risks of allowing a program to communicate?	🛛 🧐 Ch	ange settings]
Allowed programs and features:			
Name	Home/Work (Private)	Public 🔺	
Secure World Wide Web Services (HTTPS)			
SNMP Service			
E CNIMD Targ			
✓ TcModbusSrv Module			
Telnet server Remote Administration			
V TwinCAT ADS (TCP)			
VI IWINCAT ADS (UDP)			
Wiedows Callebartian Commuter Name Banistation Service			
Windows Collaboration Computer Name Registration Service			
Windows Eirewall Remote Management			
	Details	Remove	
	Allow anoth	er program	