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How to unlock protected function block in Siemens S7 PLC - SIMATIC MANAGER

denizen

Apr '16

Microsoft Access is used for remove the password protection of function blocks used in SIMATIC MANAGER Siemens S7 plc.

Step by Step Procedure

Object name	Symbolic name	Created in language	Size in the work me.	Type	Version (Header)	Name (Header)	Underline
FB225	FDA_PRED25INT	STL	890	Function Block	0.1		
FB229	FDA_DATA_ACQ	STL	2030	Function Block	2.0		
FB400	ROT_CAM	SCL	4220	Function Block	7.0		
FB402	ROT_POS_LOOP	STL	594	Function Block	0.1	POS_LOOP	
FB403	ROT_UN_MOVE	LAD	3986	Function Block	6.0		
FB404	LOW_PASS	STL	130	Function Block	1.0		
FB405	MEDIAN_FILTER	STL	658	Function Block	0.1	MEDIAN_F	
FB406	ValLengthFIFO	STL	932	Function Block	0.1	MEDIAN_F	
FB412	NOT_POS_READ	STL	1274	Function Block	0.1		
FB408	DISTANCE_MEASURE	STL	996	Function Block	0.1		
FB410	SINUSOID	STL	158	Function Block	0.1		
FB411	CRC_BUFFER	SCL	266	Function Block	1.0		
FB412	PEAK_PICK	STL	208	Function Block	3.1	PEAK_P	
FB413	PRESS_CTRL	STL	722	Function Block	4.0		
FB414	TEMP_CTRL	STL	606	Function Block	3.0		
FB415	PYROMETERIS	LAD	2728	Function Block	1.0		
FB901	SH_CHOP_ACC	STL	152	Function Block	0.1		
FB902	BAR_DISPLACEMENT	STL	234	Function Block	0.1		
FB903	HMD_HTWINW	STL	1868	Function Block	0.1		
FB904	DR_OFF_SpeedBy	STL	270	Function Block	0.1		
FB905	HMD_OUT_CALTIM	STL	862	Function Block	0.1		
FB906	HMD_HMD_CALTIM	STL	426	Function Block	0.1		
FB907	BAR_SPEED_CALIBR	STL	2350	Function Block	0.1		
FB908	SH_HMD	STL	1974	Function Block	0.1		
FB909	CVGM_TRAU_CALC_FB	SCL	7280	Function Block	15.1		

In the above picture you can see the function block is protected. You cannot open a protected function block.

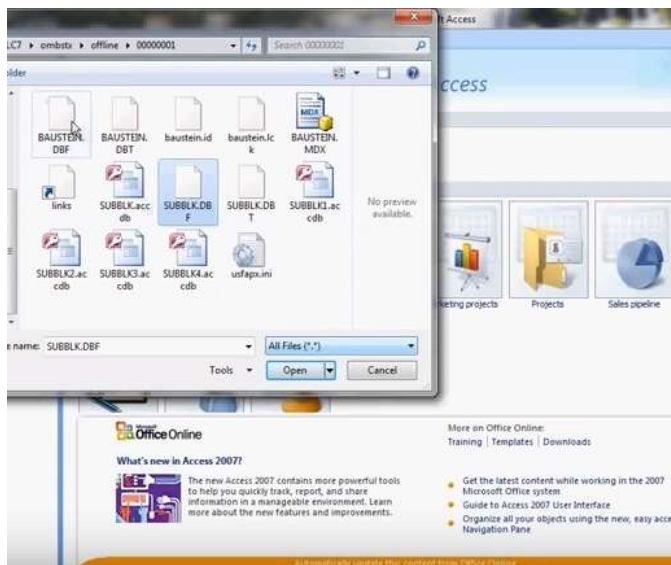
1. Open Microsoft Access .

Open the DBF file from the location you saved the PLC project .

Browse to following folder to open the DBF file

In the Project file > ombstx>offline > 00000001

[Skip to main content](#)



2. Select the DBF file and open it. There may be more than one DBF file. Open the DBF file and check "Password" column is present or not.

ATTRIBUTE	AGRESERVE	BUKTOTEN	MACLEN	SSLEN	ADDLEN	LOCATALE	TIMESTAMP	PASSWORD
1	1	306	172	30	26	4	1951	0
1	1	86	0	8	0	2	1951	3
1	1	655	419	8	150	0	1951	1
1	1	1013	196	705	32	0	1951	3
1	1	244	122	24	20	0	1951	1
0	1	4094	569	3330	117	0	1951	1
0	1	3900	3462	0	360	0	1951	1
1	1	105	19	8	0	2	1951	1
1	1	1266	960	168	60	20	1951	1
0	1	3340	255	2977	30	0	1951	1
0	1	689	465	0	146	0	1951	1
1	1	86	0	8	0	2	1951	1
1	1	1020	896	28	18	6	1951	1
1	1	86	0	8	0	2	1951	1
0	1	3242	44	3098	22	0	1951	1
0	1	534	306	0	150	0	1951	1
1	1	206	94	18	16	0	1951	1
0	1	3181	2921	0	182	0	1951	1
0	1	3513	709	2563	163	0	1951	1
1	1	86	0	8	0	2	1951	1
1	1	824	536	106	82	4	1951	1
0	1	5612	5418	0	116	0	1951	1
0	1	2754	94	2376	206	0	1951	1
0	1	20470	20350	42	0	0	1951	1
1	1	110	0	32	0	2	1951	1

The value "0" in password filed means function block is not protected. The value "3" in password filed means function block is protected. Change the value from 3 to 0 for removing the password protection.

Now save the "DBF" file. You can see the protection is removed.



Sponsored Content

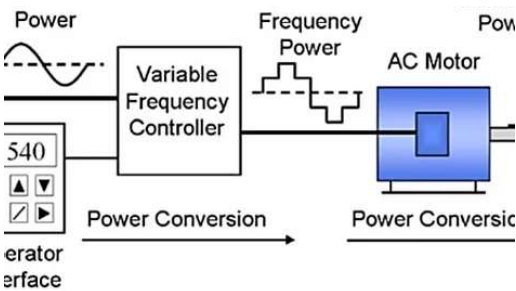
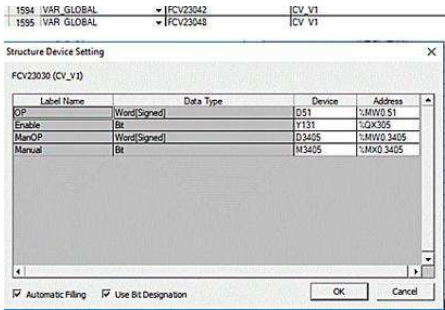
[Skip to main content](#)

1592	VAR GLOBAL	HC 2025	06
1593	VAR GLOBAL	ECV2025	CV_V1

line Wave

Variable

Mecha

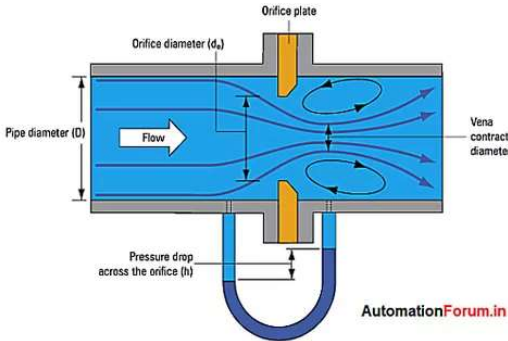


GX Works 2 Export to CSV

Hi there, I have a question about exporting data from GX Works 2. When I am exporting data from Global...

Why VFD is needed in a system and how can it control a motor

What is a Variable frequency drive A variable frequency drive can be used to control the frequenc...

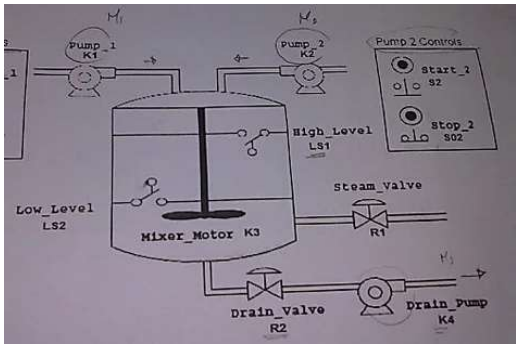


Orifice calibration

The orifice meter is a simple device that measures the flow in a closed stream. The orifice meter also...

Problems related to the SIMOTION D motion control system

I have been having some issues with SIMOTION D the green ready light is blinking off and on, what is t...

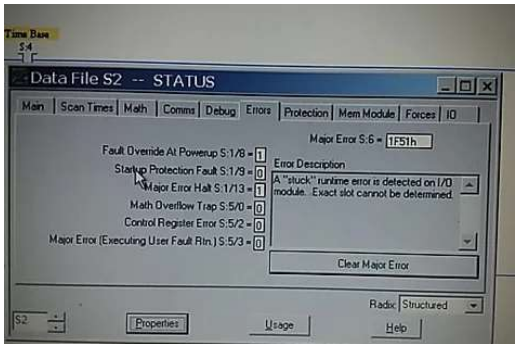
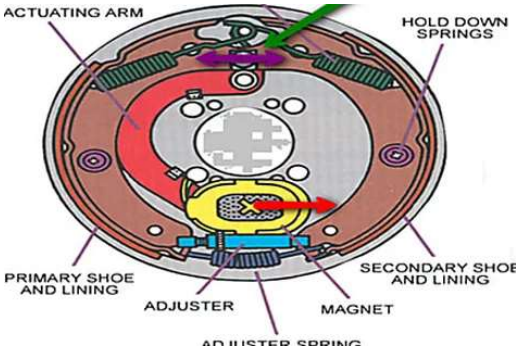


I'm looking for a book that contains problems to be solved by classic control...

this is an example of what i'm talking about : this problem was given to me by my teacher who refuse...

What is thermal power plant and How does a thermal power plant work?

What is a thermal power plant? A thermal power station is a type of power plant that uses heat energ...



[Skip to main content](#) **ES OF ELECTRIC BRAKING IN DC MOTOR**

A stuck runtime error is detected on l/o module. How to solve this error

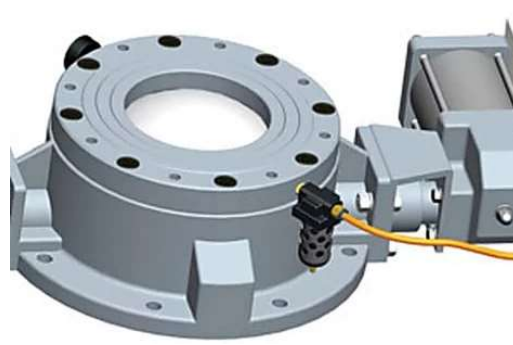
ELECTRIC BRAKING Electric braking is the process by which a running motor can be brought to rest...

A stuck runtime error is detected on I/o module.Exact slot cannot be determined. How to solve this major...



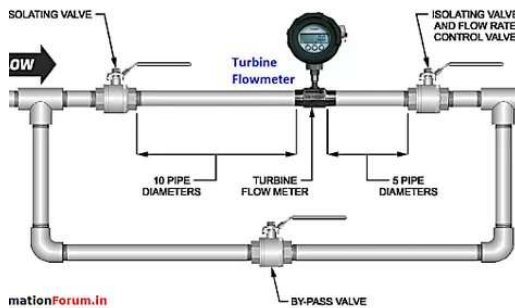
What is auto transformer and how is it different from normal transformer

What is a transformer A transformer is a power converter that can transfer energy between two...



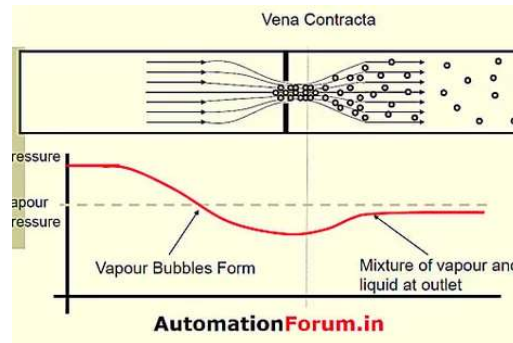
What is Dome valve?, features, Principle

What are Dome valves? Dome valves are high-pressure valves, usually used to control the flow of...



Turbine flowmeter Installation

The turbine flowmeter is common flow meter. It is one of the most precise and reproducible flow meters....



What is cavitation and Flashing? What cause cavitation?

Cavitation and flashing occur where there is an orifice in the pipeline because of any kind of obstructions...