

报警和操作记录的分类显示

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I Versions

Version	Date	Comment	Edited by
1.0	DEC 14, 2023	First Edition	Zhao Yuan

Table 1: Versions

II Distribution

Name	Company, Department	Amount	Remarks

Table 2: Distribution

III Safety Notices

Safety notices in this document are organized as follows:

Safety notice	Description
Danger!	Disregarding the safety regulations and guidelines can be life-threatening.
Warning!	Disregarding the safety regulations and guidelines can result in severe injury or heavy damage to material.
Caution!	Disregarding the safety regulations and guidelines can result in injury or damage to material.
Information:	Important information used to prevent errors.

Table 3: Safety notices

IV Table of Contents

1 Introduction.....4

2 Figure Index6

3 Table Index.....7

4 Listing Index8

5 Index9

1 Introduction

设备中的报警由很多种类，VC4 中的报警分组可以在 Alarm Groups 中分组实现，但是无法对历史报警进行分类显示。
用户的操作记录也作为报警中的一个分组，靠报警 ID 来区分。

2 实现方法

这就需要调用 VA_wcGetExAlarmList 来从历史报警记录中提取并筛选。

Parameters

I/O	Parameter	Type	Explanation
IN	enable	BOOL	The function is only executed if "enable" is set to "TRUE".
IN	VCHandle	UDINT	Handle returned by VA_Setup .
IN	pcAlarmLine	WSTRING (given as a UDINT pointer)	Pointer to the array where the alarm line is stored (UINT Array).
IN	plLen	DINT (given as a UDINT pointer)	Address of a DINT variable that contains the length (number of characters) of the UINT array. After the function is called, this variable is set to the actual length.
IN	iFunction	UINT	1 ... Read first alarm 2 ... Read next alarm 4 ... Read previous alarm 8 ... Read last alarm
IN	cSeperator	UINT	Delimiter to be added to the alarm line
IN	cDateTimeFormat	USINT	Desired format for date and time output in the alarm list 0 ... dd.MM.yy HH:mm:ss 1 ... dd.MM.yy hh:mm:ssa 2 ... HH:mm:ss 3 ... hh:mm:ssa 4 ... HH:mm 5 ... hh:mmm 6 ... NO_TIME_NO_DATE
OUT	Status	UINT	Not equal to 0 in the event of error

需要注意的是一条条读取比较慢，为了降低操作者的等待焦虑，最好是提取一条就显示一条。

3 实现效果

根据选择实现分组显示



4 Figure Index

Es konnten keine Einträge für ein Abbildungsverzeichnis gefunden werden.

5 Table Index

Table 1: Versions.....2

Table 2: Distribution.....2

Table 3: Safety notices2

6 Listing Index

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7 Index

D		S	
Distribution	2	Safety Notices	2
F		T	
Figure Index	5	Table Index	6
		Table of Contents	3
I		V	
Index	8	Versions	2
Introduction	4		
L			
Listing Index	7		