

# 通过 PLK 更改 ACS380 参数

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## I Versions

Version	Date	Comment	Edited by
1.0	07 02, 2023	First Edition	徐鹏

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 mate- rial.
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

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#### 1 测试背景

客户在使用 ACS380 后,没有使用手操器这就导致变频器的参数设置极为不便,客户习惯于通过触摸屏 设定变频器参数,基于客户的需求对通过 PLK 设置变频器参数进行了设置。

#### 2 测试过程

要通过 PLK 设置 ACS380 参数,需要首先弄清楚 ACS380 的对象字典,根据对象字典就可以知道各个参数的地址,进而通过 AsEPL 库中的函数对相应的参数进行操作。 第一步:在 AS 中打开变频器配置页面。



第二步: 在打开的变频器配置页面中, 根据需要选择对应的参数。这里以电机参数为例。

<u> <u> </u> </u>		
😑 📲 99_Motor_data_I4063 RECORD		
🗄 🎦 _9903_Motor_type_I4063_S03		
+ 19904 Motor control mode 14063 S04		
Cyclic transmission	Write	
Datatype	DINT	INTEGER32
📦 Init value		Set at bootup (clear to preserve value on device)
🖃 📲 _9907_Motor_nominal_voltage_14063_S07		
Q Cyclic transmission	Write	
🖗 Datatype	DINT	INTEGER32
····· 🖗 Init value		Set at bootup (clear to preserve value on device)
🖽		
🖃 📲 _9909_Motor_nominal_speed_14063_S09		
Cyclic transmission	Write	
🖗 Datatype	DINT	INTEGER32
🧼 🕼 Init value		Set at bootup (clear to preserve value on device)
🗄		
🖃 📲 _9911_Motor_nominal_cos_I4063_S0B		
Cyclic transmission	Write	
Datatype	DINT	INTEGER32
🖗 Init value		Set at bootup (clear to preserve value on device)
🖽 🚰 _9912_Motor_nominal_torque_I4063_S0C		
🕂 🚰 _9913_ID_run_requested_I4063_S0D		
🕀 🗝 _9914_Last_ID_run_performed_I4063_S0E		

在 ASC380 中,参数 99.06 是电机的额定电流,它在对象字典中的地址是 16#4063,子地址是 06。 第三步:在 AS 中编程,利用 AsEPL 库函数对对应的参数进行操作。其中 MainInvParaParaWrite 的类型是 EplSD0Write。 MainInvParaParaWrite.enable := TRUE; MainInvParaParaWrite.index := 16#4063; MainInvParaParaWrite.subindex := 16#06; uiTempVar := REAL\_TO\_UINT(gRcpCtrl.MainInvter.RatedCurrent \* 10.0); MainInvParaParaWrite.pData := ADR(uiTempVar); MainInvParaParaWrite.datalen := SIZEOF(uiTempVar);

# 3 结论

经过上面的操作,可以通过触摸屏和程序对 ASC380 变频器参数进行设置。