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Oriental

× Oriental EtherCAT Slave에 대한 Test 항목 안내 페이지입니다.

AZDxA-KED

Summary

- Date : 2020-06-21
- Master : COMI-LX552
- Sample
 - Driver :
 - AZD2A-KED
 - AZD4A-KED
 - Motor :
 - AZ Series
 - DRS2 Series
 - EAS Series
 - DGII Series
- ESI : ORIENTALMOTOR_AZDxA-KED_rev0300.xml
 - VendorID : 0x2BE
 - Product Code : 0x13AF
 - RevisionNo : 0x00110300(AZD2A-KED), 0x11110300(AZD4A-KED)
- CycleTime : 1ms

Condition

- PC
 - CPU : Intel I7-7700
 - MainBoard : SuperMicro X11SSA-F
 - RAM : Samsung 8G
- OS
 - Win7 x64
 - Win10 x64

Test Item : Setup

- XML Parsing
- PDO mapping
- EtherCAT State Machine
 - Init / PreOP / SafeOP / OP
- SyncMode : Distributed Clock
- Configured Station Alias

Test Item : Operation

Cia 402 Drive Profile

- Servo On (Operation Enable / Disable)
- Alarm Reset
- ErrorCode Read
- Speed, Jerk Setup
- Move : CSP Mode
- Homing
 - Homing Speed
- MotionIO
 - Limit, Origin
- SDO Read / Write
- EEPROM, Register Read / Write

Note

- ServoTunes Supported
- Absolute Type Motor의 경우 (PPR : 회전당 Pulse수)
 - $-1/2 \text{ PPR} \sim 1/2 \text{ PPR}$ ¹⁾ 범위에서 동작
 - Command 와 Feedback의 차이가 $2 * \text{PPR}$ 이상인 경우 알람 발생²⁾
 - **RingCounter의 Abs 기능**을 이용하여 제어해야 함.
 - RingCounter Maximum³⁾ 항목은 PPR 값 입력

¹⁾

PPR이 180,000 인경우 -90,000 ~ 90,000

²⁾

PPR이 180,000 일때 편차가 360,000 이상인 경우 알람

[3\)](#)

Range

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