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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

### 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)
  - $-1/2 \text{ PPR} \sim 1/2 \text{ PPR}$ <sup>1)</sup> 범위에서 동작
  - Command 와 Feedback의 차이가  $2 * \text{PPR}$  이상인 경우 알람 발생<sup>2)</sup>
  - **RingCounter의 Abs 기능**을 이용하여 제어해야 함.
    - RingCounter Maximum<sup>3)</sup> 항목은 PPR 값 입력

1)

PPR이 180,000 인 경우 -90,000 ~ 90,000

2)

PPR이 180,000 일때 편차가 360,000 이상인 경우 알람

3)

Range

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