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# MKS

× MKS EtherCAT Slave

Test

## R\*evolution

### Summary

- Date : 2020-09-02
- Master : EtherCAT IP(LX558)
- Sample
  - AX7696
- ESI :
- VendorID : 0x50B
- Product Code : 7696
- RevisionNo : 2
- CycleTime : 1ms

### Condition

- PC (Laptop)
  - CPU : Intel I5-7700
  - MainBoard :
  - RAM : 8G
- OS
  - Win7 x64

### Test Item : Setup

- XML Parsing
- PDO mapping
- EtherCAT State Machine
  - Init / PreOP / SafeOP / OP
- SyncMode : FreeRun

- **Configured Station Alias**

## Test Item : Operation

### Cia 5003 Profile

- FreeRun , xml "SM-Freerun" 1.5.0.4 IDE
  - SM2 Event Mode
  - , xml "Freerun"
- 0x1600 , AI-State가 Pre-OP
  - AIStatusCode 0x1B가
  - Watchdog disable
  - 0x1601
  - 0x1600 0x1601 object가 , 0x1600
- Sync manager watchdog
  - The slave did not receive process data within the specified watchdog time.
  - Usually, the WD time is 100ms. The WD is re-started every time it receives new process data, usually when the Output SyncManager (SyncManager2) is written.
  - For devices which have only inputs usually, no WD is used. Increasing the WD is not a solution.
  - Reason: PLC stopped))

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Last update: **2024/07/08 18:22**