IO-Link Device AOI Test Report

Date of Test: 9/4/24

Name of Test Engineer: Anthony Molnar

Product Description of Tested Product: CMTH-M12-IOL6X2-H1141

Product Firmware Rev: 1.2.5.0

PLC used to Test Product: SoftLogix

Version of StudioLogix used to Test Product: V23

Name of AOI File Tested: Turck_CMTH_Full_V1_1.L5X

Version of AOI File Tested: 1.1

Test Notes:

Tested with Turck_TBEN_Lx-8IOL_AOI ~~Rev V1~~
Rev 1_3

Test Passed: (Yes) No

Test Plan

CMTH   9/4/24

- ☑ Drag over IO-Link Device AOI from Catalog to Project
- ☑ Verify AOI Version matches Rev file and Revision Notes from txt file in github.
- ☑ Verify AOI Description matches txt file in github.
- ☑ Create tag instances of AOI
- ☑ Configure port of device
- ☑ Copy Common Data tag
- ☑ Download project to PLC
- ☑ Verify the Wrong or Missing Device is not on
- ☑ Disconnect Device and verify missing device is on
- ☑ Connect incorrect device and verify missing device stays on
- ☑ Reconnect correct device and verify missing devices goes off
- ☑ Add test contact to disable / enable AOI. Verify acyclic data points recover.
- ☑ Verify data points go to zero when Wrong or Missing Device detected
- ☑ Check Temperature and Humidity values. Compare to webserver.
- ☑ Check Outputs for Temperature and Humidty. Compare to webserver. Cause the outputs to change states.
- ☑ Check Operating Hours, Max Temperature, Max Humidity, Min Temperature, Min Humidity. Compare to webserver.
- ☑ Check Device Status. Force a change by causing humidity to exceed 100% (i.e. breath on sensor to raise humidity). Compare to webserver.
- ☑ Check Reset_Max and Reset_Min by changing value from 0 to 1. Reset_Done should turn ?
  On when complete and Min and Max Values should reset.
- ☑ Set Display_DegF to 1 and verify temperature values change from Celsius to Fahrenheit. Reset back to 0 and verify temperature values go back to Celsius.