

Call for experts for “IO-Link Power Supply and Electronic Fuse Profile”

The Smart Sensor Profile is an enormous success within IO-Link. The achieved standardization makes it much easier for the customer to take devices from different manufacturers in operation.

In recent years, more Power Supplies and Electronic Fuses with IO-Link interfaces have come onto the market. Many of these Devices have similar functions, such as power control, adjustment of current, overload behavior, individual segment control (e.g. prioritizing or resetting channels), alarm for over-current or -voltage, predictive maintenance and others. These functions can be standardized to simplify integration of these “intelligent” IO-Link Power Supply and Electronic Fuses with PLCs, using common function blocks or add-on instructions.

A new profile working group, focused on various “intelligent” IO-Link Power Supplies and Fuses is proposed and is looking for experts who are willing to contribute actively their experience and requirements in this field.

Some of the issues that are up for discussion are:

- Cooperation with other Profile Working Groups (Smart Actuator and Smart Sensor WGs)
- Use Cases and Requirements
- Scope and Device Classification
- Device Model
- Common Functions
- Parameter Structure
- Alignment with other Profiles (Smart Sensor, Smart Actuator, Smart Lighting Profile)
- PLC Function Blocks and Add-on Instructions
- Testability

All interested member companies are invited to join this working group. Please sign up if you are interested by October 31st, 2020 by sending e-mail request to

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