IO-Link

ifm electronic

MANUFACTURER'S DECLARATION OF CONFORMITY

We:

ifm electronic gmbh
Friedrichstraße 1
45128 Essen, Germany

declare under our own responsibility that the product(s):

DP1213 "Converter IO-Link/2x4-20mAV"	IO-Link Device
DP3213 "Converter IO-Link/2x4-20mA IP69K"	IO-Link Device

to which this declaration refers conform to:

- ☒ IO-Link Interface and System Specification, V1.1.2, July 2013 (NOTE 1,2)
- ☒ IO Device Description, V1.1, August 2011
- ☒ Additional conformance to Device Profiles (If checked refer to Part A on page 2)
- ☐ Conformance exceptions (If checked refer to Part B on page 2)

The conformity tests are documented in the test report(s):

DP1213 IO-Link Device Test Report SW V1.23 Date 7.11.2018.pdf
TR_IOL_KonfTests_DP3213_s / October 26. 2023

Issued at Kressbronn, 02.11.2023

Name: *Joachim Uffelmann*
Title: *Technical Manager*

Signature:

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NOTE 1 Relevant Test specification is CorrVersion 1.1.2, Feb. 2021
NOTE 2 Additional validity in Package 2015 and Corrigendum

MD-Version: V1.1.2 / 2022-01

Part A - Additional conformance to Device Profiles

	Specification
☒	IO-Link Common Profile Specification, V1.0, July 2017
☐	IO-Link Profile BLOB Transfer & Firmware Update Specification, V1.1, Sept. 2019
☐	IO-Link Smart Sensors 2nd Edition Specification, V1.0, March 2017
☐	IO-Link Smart Sensors 2nd Edition Specification, V1.1, Sept. 2021

Part B - Conformance exceptions

We herewith declare the following deviations to the related specifications	**Reason**
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Annex – Conform products

See Products Listing of compliant products on page 1

Guideline for the Manufacturer Declaration

General rules:

- Please verify, that the correct and latest version of this form is used (correct specification references, latest release).
- Use this form as is and fill in only according to the 'How to use' description below.
- Additional descriptions apart from the predefined sections are not permitted.
- This page shall be removed prior to issuing a specific manufacturer declaration.

How to use:

Page 1: <company name>, <company address>

Fill in issuing authority with full name, legal body and full address information.

Page 1: <Trademark, product types / product families>

Fill in the name of the product or product family. Keys as wildcards are allowed, but valid values have to be indicated. Always specify the type of IO-Link product (IO-Link Master or IO-Link Device).

Example:

Product: ABC'n'-XYZ-'m'-IOL IO-Link Device

Key: 'n': 200, 300, 400 (e.g. range)

'm': C1, C2, C3, CB (e.g. connector type)

In case the provided space for listing of products is insufficient, please list products on the last page of the manufacturer declaration in the annex section. Add note: 'See details in Annex – Conform products'.

Page 1: specifications, additional conformance to Device Profiles, conformance exceptions

The implemented specifications and features, to which the products are declared conform to, are always checked. Please verify the correct references of these specifications.

For a master, 'IO Device Description' and 'Additional conformance to Device Profiles' are not checked.

If a product supports IO-Link profiles, check 'Additional conformance' and specify details in Part A.

If deviations to the checked specifications exist, select 'Conformance exceptions' and declare details in Part B.

Page 1: conformity tests and test report(s)

A reference to the corresponding test report(s) to this manufacturer declaration is mandatory.

Page 1: authorized signatory

If only one signature is required due to company specific regulations, the entries for the second signature on the right hand side can be removed.

Page 2: Part A - Additional conformance to Device Profiles

If the product has implemented IO-Link profiles, the conformance to the corresponding specifications has to be declared. The full name, version and release of the specification is required.

Page 2: Part B - Conformance exceptions

The declaration of any deviation to the referenced IO-Link specifications is mandatory. Exceptions can only be granted, if one of the following two scenarios apply. If there are no deviations, please state 'No deviations'

Scenario 1 (self-declared exception): Self-declaration of an exception is mandatory, but only applicable for features, which are explicitly marked as 'highly recommended' in any of the marked specifications.

Add name of the 'highly recommended' feature and reference to specification. Describe in brief sentences the reason, why the feature has not been implemented and according counter measures.

Example 1: The device does not support the Data Storage feature (IO-Link Interface and System Specification)

Reason: The amount of memory space for Data Storage content exceeds the guaranteed memory size provided by masters. For device exchange without tool, a memory card interface is provided.

Example 2: The device does not support the command Application Reset (IO-Link Interface and System Specification)

Reason: The device does not provide any writable and persistent variables.

Scenario 2 (exception on approval): An exception for a deviation to any of the referenced specifications has been requested at the IO-Link Quality Center and approved according to the Product Quality Policy.

Add comprehensive name of the deviation. Note date and id of decision including counter measures for the exception.

Example 3: The master supports only 2000 Byte storage space per port for data storage instead of 2 kbyte.

Reason: Exception granted 2021-07-15 (ID: Ex_099). The feature will be available with full functionality with the next firmware release.

Page 2: Annex - Conform products

Use this section only if the provided space for listing of conform products on page 1 is insufficient. Remove this section, if not used.

Upload to the IODDfinder database

The zip-archive containing the IODD shall contain the manufacturer declaration in PDF format with the following filename schema:

<vendor name>-<device name>-<release date>-MD<revision>-<number>.pdf

vendor / device name : Identical names as for main IODD

release date : The release date of the MD, not the IODD

revision : The revision of the MD form, as released and defined by the IO-Link Community

For this form of the manufacturer declaration the revision is **1.1.2**

number : The number element is optional and may contain e.g. a vendor-specific document number

The number may contain any arbitrary characters [a-zA-Z0-9_] with a maximum of 32 characters

Example:

IODD:	*IO-LinkCommunity-Example1-20211211-IODD1.1.xml*
Manufacturer declaration:	*IO-LinkCommunity-Example1-20220121-MD1.1.2.pdf* *or* *IO-LinkCommunity-Example1-20220121-MD1.1.2-Doc1234.pdf*