

Attestation of Conformity



We

HIMA Paul Hildebrandt GmbH
Albert-Bassemann-Straße 28
68782 Brühl, Germany

declare under our sole responsibility that the products

HIMatrix

Safety-related, programmable electronic system **F35 03**

Remote I/O **F3 AIO 8/4 01**

based on the EU harmonized standards

EN 50271:2018

EN 60079-29-1:2016

EN IEC 60079-0:2018

are in conformity with the applicable essential requirements of directive 2014/34/EU. Certified by:

TÜV Rheinland Industrie Service GmbH (ID 0035)
Am Grauen Stein, 51105 Köln, Germany

EU Type-Examination Certificate No.: **TÜV 13 ATEX 7380 U**

Characteristics and restrictions:

The controller and the Remote I/O are safety devices, controlling devices and regulating devices in accordance with ATEX Directive. They are suitable for monitoring ignition hazards in potentially explosive atmospheres as associated apparatus or as stationary gas detection systems for detecting and measuring flammable gases.

- These products were assessed to meet the requirements of the **EN 50402:2017**.
- Related to device hardware and software, these products are tested for compliance with the requirements of EN 60079-29-1 and EN 50271.
- If gas sensors are connected to the 4 ... 20 mA signal inputs, these sensors must meet the requirements of EN 60079-29-1.
- The gas sensors must be wired to the HIMatrix system in compliance with the documentation and the EU Type-Examination Certificate.
- The safety-relevant user program for HIMatrix must be created using the SILworX programming tool and taking the safety manual into account.
- The safety function must be proved by verification and validation.

The safety facility to be assembled or the gas warning system with associated safety information and operating instructions according to ATEX Directive 2014/34/EU in Annex II paragraph 1.0.6 has to be transferred into a complete EU Type-Examination Certificate in additional conformity assessment procedure by a notified body under consideration of the above-mentioned points.

Brühl, 15.01.2024

ppa.


Dr. Alexander Horch
Vice President Research & Development

i. A.


Dipl.-Ing. Boris Betz
Lead System Verification & Validation
Lead Certification
Research & Development Shared Service