Records of compliance

We:

ifm electronic gmbh
Friedrichstraße 1
45128 Essen, Germany

declare under our own responsibility that the software components of product(s):
PI1804, PI1706, PI1805, PI1707, PI1806, PI1708, PI1709, PI1807, PI1705, PI1889, PI1803, PI1809, PI1789, PI1817, PI1703, PI1815, PI1704, PI1814, PI1715, PI1717, PI1714, PI1808, PI1602, PI1718, PI1818, PI1003, PI1004, PI1005, PI1008, PI1009, PI1743, PI1843, PI1612
from device status: AA

are confirm to the following activities according to ISO 13849-1: 2015 (clause 4.6.2):

a) software safety lifecycle with verification and validation activities
b) documentation of specification and design;
c) modular and structured design and coding;
d) control of systematic failures;
e) If necessary, use of software-based technics and measures to control random hardware failures.
f) functional testing;
g) appropriate software safety lifecycle activities after modifications;
h) project management and quality management processes;
i) documentation of all relevant activities during software safety lifecycle;
j) configuration management to identify all configuration items and documents related to a release;
k) structured specification and structured design;
l) use of suitable programming languages and computer-based tools with confidence from use;
m) modular and structured programming;
n) coding verification by walk-through/review with control flow analysis;
o) extended functional testing.

No influence on the validity of other standards or guidelines, which are not explicitly mentioned.

The Software Development Process (TSDP) according to ISO 13849-1 is certified by TÜV NORD (Certificate No. 1435.IM.130706/22).

Wednesday, May 14, 2025
date

i.V. Klaus Dieing
Head of R&D - signature

i.V. Markus Brunold
Head of Quality - signature

ifm prover gmbh
Prozess- und Verfahrenstechnik
Waldesch 9 . 88069 Tettnang
Tel.: (07542) 9408-0 . Fax: -1111

stamp

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