

# SIL Declaration of Conformity

**ABB AG**  
**Stierstädter Straße 5**  
**60488 Frankfurt am Main**  
**Germany**

declares that the products

Continuous Gas Analyzers

**EasyLine EL3000 series with Oxygen Analyzer Magnos28** (Models EL3020, EL3040) or  
**EasyLine EL3060 series with Oxygen Analyzer Magnos28** (EL3060-Magnos28),  
without flow or pressure sensor,

comply with the requirements of the International Standard for Functional Safety IEC 61508 (2010) in terms of IEC 61508-2 “Quantifying the effect of random hardware failures”.

The catalog numbers are recorded in the analyzer data sheet:

<b>Analyzer</b>	<b>System</b>	<b>Housing</b>	<b>Electronic Module</b>	<b>Module</b>
EL3020- Magnos28* <i>IP20, twofold analog output</i>	24042- 111011000000	24342- 111011000001	24442- 1100110000N1	24644- 1110110500H1
EL3040- Magnos28* <i>IP65, twofold analog output</i>	24042- 121031x00000	24342- 121031x00001	24442- 120031x000N1	24644- 121031x500L1
EL3040- Magnos28* <i>IP65, twofold analog output</i>	24042- 121231x00000	24342- 121231x00001	24442- 120231x000N1	24644- 121231x500L1
EL3060- Magnos28* <i>IP65, fourfold analog output</i>	24042- 151131x00000	24342- 151131x20001	24442- 150131x000X1	24644- 151131x200X1

x random character

\* without flow or pressure sensor

The assessment of hardware failure rates was carried out for single channel and redundant operation of Magnos28 by the company embeX (see compliance statement) as independent consultant confirming the correctness of this declaration.

The conditions of safety related operation specified in the safety manual must be obeyed by the user to achieve the claimed SIL compliance.

Link to the safety manual:



SAFETY MANUAL

Frankfurt am Main, 25.11.2022



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i.V. Dr. Carsten Rathke  
Quality and Continuous Improvement Manager



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i.V. Dr. Jürgen Kappler  
R&D Manager