

EC / EU Declaration of Conformity

The Rotative Measuring Systems **AD_582M(M) + FS02, AD_582M(M) + FS03**

Type: ADV582M, ADS582M, ADH582M
 Order-No.: ADV582M-xxxxx, ADS582M-xxxxx, ADH582M-xxxxx

was developed, designed and manufactured to comply with the EU-Directives

Electromagnetic Compatibility (EMC)	2014/30/EU (L 96/79)
Machinery Directive	2006/42/EC (L 157/24)
Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX)	2014/34/EU (L 96/309)
Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)	2011/65/EU (L 174/88)

under the sole responsibility of

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 Germany

The following harmonized standards were applied:

EN 61000-6-2:2005/AC:2005 with increased test standards: DIN EN 61326-3-1:2018	Generic standards - Electromagnetic compatibility, Immunity (Industrial environments)
EN 61000-6-3:2007/A1:2011	Generic standards - Electromagnetic compatibility, Emissions (Commercial environments)
EN 61800-5-2:2007	Adjustable speed electrical power drive systems Safety requirements - Functional
EN ISO 13849-1:2023	Safety of machinery - Safety-related parts of control systems General principles for design
EN 60204-1:2018 (in extracts)	Safety of machinery - Electrical equipment of machines General requirements
EN IEC 62061:2021	Safety of machinery - Functional safety of safety-related control systems
EN ISO 20607:2019	Safety of machinery - Instruction handbook - General drafting principles
EN IEC 60079-0:2018	Explosive atmospheres Part 0: Equipment - General requirements
EN IEC 60079-7:2015/A1:2018	Explosive atmospheres Part 7: Equipment protection by increased safety "e"
EN 60079-31:2014	Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t"
EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Other applied standards:

DIN EN 61508 Part 1-7:2011	Functional safety of electrical/electronic/programmable electronic safety-related systems
DIN EN 61800-5-2:2017-11	Adjustable speed electrical power drive systems Safety requirements - Functional
DIN EN IEC 61800-5-3:2024-09	Adjustable speed electrical power drive systems Safety requirements – Functional, electrical and environmental requirements
DIN EN IEC 60079-14:2021	Explosive atmospheres Part 14: Electrical installations design, selection and erection
DIN EN 60529:2014	Degrees of protection provided by enclosures (IP code)

The products are marked additionally with the following characteristics on the ATEX name plate:

 II 3G Ex ec IIC T6...T4 Gc X and /or  II 3D Ex tc IIIB/IIIC T_°C Dc X

The EU type examination and certification according to the machinery directive as Logic Unit For Safety Functions was carried out by the notified body:

NB0035, TÜV Rheinland Industrie Service GmbH,
Alboinstr. 56,
12103 Berlin
Certificate-No. AD_582M(M) + FS02: 01/205/5717.01/23
Certificate-No. AD_582M(M) + FS03: 01/205/5713.01/23

Authorized to compile the technical file:

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Trossingen, 09/08/2025



Mr. Klaus Tessari, CEO