CERTIFICATE OF CONFORMITY

Certificate No.: nm 13.0069 X Issue No.: 2 Date of Issue: 2019-05-14

1. Explosive Atmospheres Electrical Equipment in compliance with the European Union ATEX Directive 2014/34/EU

2. Certificate No.: **nm13.0069X, Issue No.: 2**

3. Equipment: **Solenoid coils with connector Type 0558**

4. Manufacturer: **nass magnet GmbH**
Eckenerstrasse 4-6
30179 Hannover, Germany

5. Type of Protection: **Non-sparking "nA", Enclosure “tc”**

6. Classification, Marking: **II 3 G Ex nA IIC T5 Gc**
II 3 D Ex tc IIIC T95°C Dc

7. nass magnet has performed a conformity assessment following the Directive of the European Union 2014/34/EU, Article 13 (1) c), Annex VIII, Module A, and certifies that this equipment has been found to comply with the following standards:

EN 60079-0:2012+A11:2013 Explosive atmospheres – Part 0: Equipment - General requirements
EN 60079-15:2010 Explosive atmospheres – Part 7: Equipment protection by type of protection “n”
EN 60079-31:2014 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure “t”

8. The examination and test results are recorded in the confidential Conformity Assessment Report: 920-910-0069, Issue 2.

9. The sign ‘X’ placed after the certificate number indicates that the equipment is subject to specific conditions of use specified in the schedule of this certificate.

This Certificate is issued by

nass magnet GmbH, Hannover 2019-05-14

Patrick Oelkers

General Manager

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SCHEDULE

10. Description of the Equipment:

The solenoid coil and the connector are designed according to the product standards DIN VDE 0580 and EN 175301-803 respectively for electrically controlling fluids in industrial facilities.

The solenoid coil is especially suited for operation with nass magnet armature assemblies and nass magnet valve systems of the corresponding power levels.

The connector's housing has an integrated cable gland inlet for connecting cables and a terminal block with screw clamp contacts for fastening the conductor ends. In the assembled state connector and solenoid coil provide the required protection by enclosure.

Technical data and instructions for assembly, installation, operation and troubleshooting are given in the Operating Instructions doc. no. 108-720-0010 supplied with every unit.

11. Specific Conditions of Use:

1) Install only in areas with a low level of mechanical danger (EN 60079-0, 26.4.2 Resistance to impact).
2) The place of installation must be light-protected (EN 60079-0, 7.3 Resistance to ultraviolet light).
3) The connector may only be plugged, unplugged or opened when de-energized.
4) Only single assembly admissible, the minimum distance to the next solenoid shall be 70 mm.
5) The equipment is designed for an ambient temperature range from -20°C to +50°C and media temperatures of -20°C to +50°C.
6) The required Ingress Protection is provided by installation with the connector (marked with same Certificate No.) and the associated parts provided with the solenoid coil. The prescribed tightening torques pursuant to the operating instructions must be observed.

12. Certificate Changes

Date	Description
2013-01-09	Original Issue, No. 0
2017-03-05	Issue No. 1: Directive change to 2014/34/EU, EN 60079 Standards update
2019-05-14	Issue No. 2: Design update of some components with new type tests referenced. Temperature consideration renewed.

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