



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx SEV 15.0019X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 4

Issue 3 (2018-12-18)

Issue 2 (2018-10-01)

Issue 1 (2018-07-16)

Issue 0 (2016-01-13)

Date of Issue: 2020-12-03

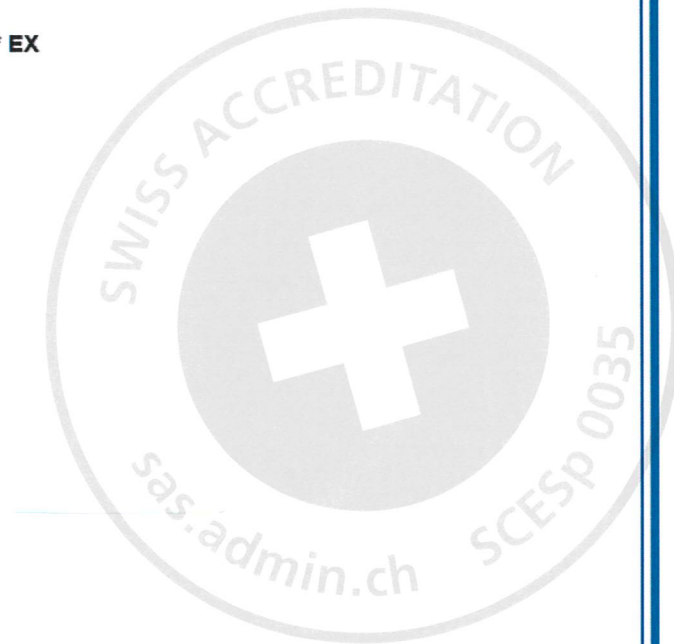
Applicant: **AGRO AG**
Korbackerweg 7
5502 Hunzenschwil
Switzerland

Equipment: **Cable glands and accessories, Type: Progress *** ***** EX**

Optional accessory: Thread adapters; Counter nuts; Blanking bolts

Type of Protection: **eb, tb**

Marking: Ex eb IIC Gb
Ex tb III C Db



Approved for issue on behalf of the IECEx
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:
(for printed version)

Date:

2020-12-03

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins Electric & Electronic Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland



E&E



IECEX Certificate of Conformity

Certificate No.: **IECEX SEV 15.0019X**

Page 2 of 4

Date of issue: 2020-12-03

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Manufacturer: **AGRO AG**
Korbackerweg 7
5502 Hunzenschwil
Switzerland

Additional
manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

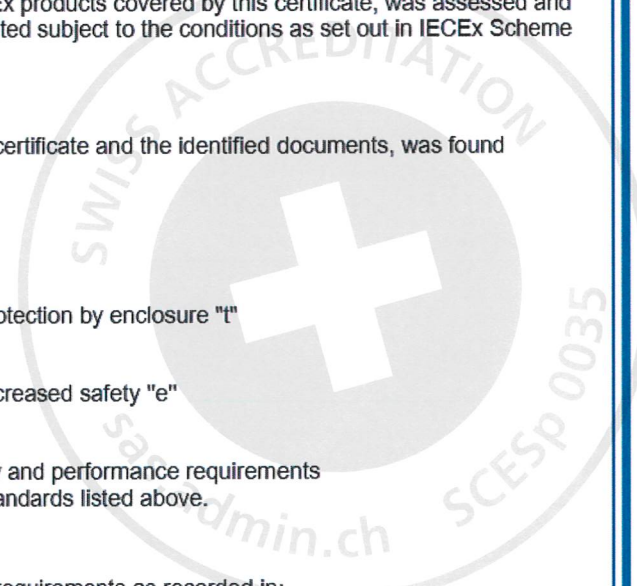
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CH/SEV/ExTR15.0021/04](#)

Quality Assessment Report:

[CH/SEV/QAR12.0001/06](#)





IECEx Certificate of Conformity

Certificate No.: **IECEx SEV 15.0019X**

Page 3 of 4

Date of issue: 2020-12-03

Issue No: 4

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The cable gland type Progress *** EX made of brass steel or reinforced plastics for installation of cables in equipment with type of protection increased safety "eb" and protection by enclosure "tb". Installation takes place into the enclosure with threaded holes and through holes. The cable gland consists essentially of the compression nut, intermediate support and seal insert. The strain relief takes place by the use of seal insert or by an additional strain relief device.

Accessories are reductions, extensions, blanking elements and counter nut and blanking bolts.

Type

Progress MS **** KB EX (M12; Pg7; NPT1/4")

Progress MS **** EX (M8...M12; Pg7; NPT1/8"...NPT1/4")

Progress S2 **** EX (M8...M10; NPT1/8")

Progress S4 **** EX (M8...M10; NPT1/8")

Progress MS **** EX (M16...M63; Pg9...Pg48; NPT3/8"...NPT2")

Progress S2 **** EX (M12...M63; Pg7...Pg48; NPT1/4"...NPT2")

Progress S4 **** EX (M12...M63; Pg7...Pg48; NPT1/4"...NPT2")

Progress GFK**** EX (M16...M63; Pg9...Pg48)

Thread adapters (Reductions, Extensions) MS EX (M8...M12; Pg7)

Thread adapters (Reductions, Extensions) S2 EX (M8...M10)

Thread adapters (Reductions, Extensions) S4 EX (M8...M10)

Additional the following customer variants are included:

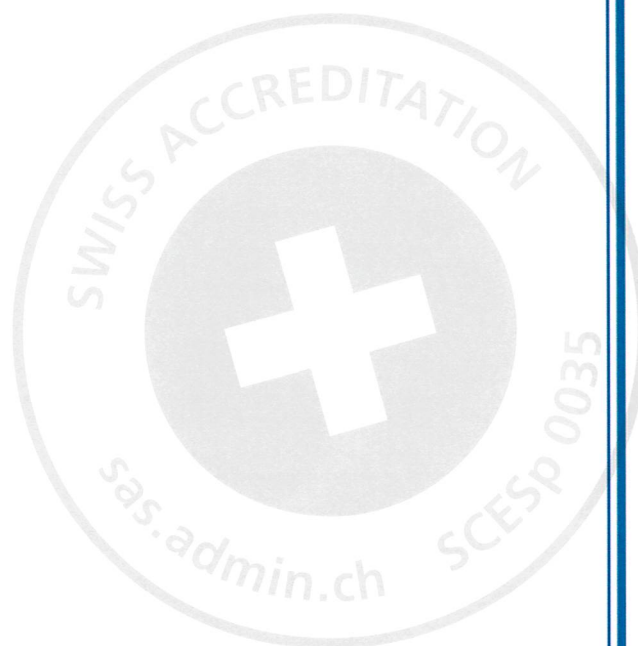
EX1000.12.91.900;	EX1100.12.91.900;
EX1700.12.86.901.91;	EX1700.12.86.903.91;
EX1700.17.86.900.91;	EX1710.12.86.901.91;
EX1710.12.86.903.91;	EX1710.17.86.900.91

Progress MS FK EX, A2 FK EX, A4 FK EX, article number. EX130*.75.*620.140

Progress MS EMV easyCONNECT KB EX
(brass Ni with clamping jaws, M12; Pg7; NPT1/4")

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Only permanently installed cable may be inserted into an enclosure. The user must provide a suitable strain relief. (not valid for Progress MS **** KB EX (M12; PG7; NPT1/4"))
- The types with a low impact energy must be installed on the enclosure in such way, that they are protected mechanically from impact energy according to EN 60079-0 clause 26.4.2.





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Certificate No.: **IECEX SEV 15.0019X**

Page 4 of 4

Date of issue: 2020-12-03

Issue No: 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New types of cable glands Progress made in stainless steel were added

