



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx SEV 15.0019X issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2016-01-13** Page 1 of 3

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

Electrical Apparatus: **Cable glands and accessories Type Progress \*\*\* \*\*\*\*\* EX**  
Optional accessory: Thread adapters; Counter nuts; Blanking bolts

Type of Protection: **Increased safety "eb" and protection by enclosure "tb"**

Marking: Ex eb IIC Gb  
Ex tb IIC Db


Approved for issue on behalf of the IECEx  
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:  
(for printed version)

  
2016-01-13

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Electrosuisse div. Testing and Certification  
Luppenstrasse 1  
CH-8320 FEHRALTORF  
Switzerland





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

Additional Manufacturing location  
(s):

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 electrical apparatus 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:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-31 : 2013</b> Edition: 2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2015</b> Edition: 5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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/ExTR15.0021/00](#)

Quality Assessment Report:  
[CH/SEV/QAR12.0001/03](#)



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## Schedule

### 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 references

Progress MS **** KB EX (M12; Pg7; NPT1/4")	[low impact]
Progress MS **** EX (M8...M12; Pg7; NPT1/8"...NPT1/4")	[low impact]
Progress S2 **** EX (M8...M10; NPT1/8")	[low impact]
Progress S4 **** EX (M8...M10; NPT1/8")	[low impact]
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)	[low impact]
Thread adapters (Reductions, Extensions) MS EX (M8...M12; Pg7)	[low impact]
Thread adapters (Reductions, Extensions) S2 EX (M8...M10)	[low impact]
Thread adapters (Reductions, Extensions) S4 EX (M8...M10)	[low impact]

### CONDITIONS OF CERTIFICATION: 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.