



(1) **EU-Type Examination Certificate**

- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 15 ATEX 0152 X**
- (4) Product: Cable glands and accessories, Types (See general product information): Progress *** ***** EX
- (5) Manufacturer: **AGRO AG**
- (6) Address: **Korbackerweg 7, 5502 Hunzenschwil, Switzerland**
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential report no 21CH-00853.X17
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

**EN IEC 60079-0:2018
EN 60079-31:2014
EN 60079-7:2015
EN IEC 60079-7:2015/A1:2018**

Except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate. The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:



**Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX**

Munira Gamma
Product Certification

M. Gamma



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 15 ATEX 0152 X

(15) **Description of product**

The cable gland type Progress *** EX made of brass, reinforced plastics or steel 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.

A new type EX1311.25.4.900LVZ has been added to Progress MS Multi Ex. With this type 4 different cables can be inserted directly into a housing using a cable gland.

Comment:

Since the cable and line entries only provide a small amount of space for marking, the Ex marking is not written in detail.

However, since this cable gland is suitable for 3 types of protection, the following notation is used:

- 1st variant : [Ex] II 2G Ex eb IIC Gb
 [Ex] II 2D Ex tb IIIC Db
- 2nd variant: [Ex] II 2GD Ex eb IIC tb IIIC
- 3rd variant: [Ex] II 2GD Ex eb IIC Gb Ex tb IIIC Db

Ratings:

- Classification of installation and use: Fixed
- Ingress protection: IP66/ 68
- Rated ambient temperature range (°C): See at service temperatures
- Rated service temperature range (°C)
 for Ex Components
- 60 °C ... +100 °C for metallic types
 - 20 °C ... +85 °C for GFK types
 - 50 °C ... +60 °C for MS FK EX, A2 FK EX, A4 FK EX

"Progress" means the product group and e.g. EX1000.08.035 designates the article number.

Both pieces of information can be used to draw conclusions about the certification during installation.

Type	Impact low	Sealing insert	O-ring
Progress MS **** KB EX (M12; Pg7; NPT1/4")	X	TPE, NBR or FKM (see next table part for more information)	FKM
Progress MS **** EX (M8...M12; Pg7; NPT1/8"...NPT1/4")	X		
Progress S2 **** EX (M8...M10; NPT1/8")	X		
Progress S4 **** EX (M8...M10; NPT1/8")	X		
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)	X		

This table part gives more information about metallic parts and sealing inserts			
Code in the part number for combination of material of the cable gland and the gasket, O-Ring always FKM e.g.: EX1000.17.080 EX1000.17.94.080			
without number = Brass, nickel plated / TPE, NBR			
91 = Brass, nickel plated / FKM			
94 = Steel A2 (1.4305) / TPE, NBR			
96 = Steel A2 (1.4305) / FKM			
97 = Steel A4 (1.4435) / TPE, NBR			
98 = Steel A4 (1.4435) / FKM			

Thread adapters (Reductions, Extensions) MS EX (M8...M12; Pg7)	X	---	FKM
Thread adapters (Reductions, Extensions) S2 EX (M8...M10)	X		
Thread adapters (Reductions, Extensions) S4 EX (M8...M10)	X		

This table part gives more information about metallic parts			
Code in the part number for material, O-Ring always FKM e.g.: EX3600.10.12 EX3600.10.12.96			
without number = Brass, nickel plated			
96 = Steel A2 (1.4305)			
98 = Steel A4 (1.4435)			

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		FKM	FKM
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Progress MS FK EX, A2 FK EX, A4 FK EX, article number. EX130*.75.*620.140		NBR or FKM	NBR or FKM
Progress MS Multi EX ; EX1311.25.4.900LVZ	---	NBR or FKM	NBR or FKM

Progress MS EMV easyCONNECT KB EX (brass nickel plated with clamping jaws, M12; Pg7; NPT1/4")	X	TPE, NBR or FKM	FKM
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This table part gives more information about metallic parts and sealing inserts			
Code in the part number for combination of material of the cable gland and the gasket, O-Ring always FKM e.g.: EX1803.83.12.065 EX1803.83.12.98.065			
without number = Brass, nickel plated / TPE, NBR			
91 = Brass, nickel plated / FKM			
94 = Steel A2 (1.4305) / TPE, NBR			
96 = Steel A2 (1.4305) / FKM			
97 = Steel A4 (1.4435) / TPE, NBR			
98 = Steel A4 (1.4435) / FKM			



(16) **Report number** 21CH-00853.X17

(17) **Specific conditions of use**

- 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 IEC 60079-0 clause 26.4.2.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"

