



(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 0121 X**
- (4) Product: PMA Cable protection systems
Nylon range of fittings for use with XESX conduit
- (5) Manufacturer: ABB Schweiz AG, PMA Cable Protection
- (6) Address: Aathalstrasse 90, 8610 Uster, SWITZERLAND
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Electrosuisse SEV, 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 14-Ex-0096.41 + .41 E1
+ .41 E2 + .41 E3
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:
EN 60079-0:12 + A11:13 EN 60079-31:14 EN 60079-7:15
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.
- (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:



II 2G Ex eb IIC Gb
II 2D Ex tb IIIC Db

Electrosuisse
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 15 ATEX 0121 X

(15) **Description of product**

Polyamide cable protection:

Products for the protection of cables, wires and hoses against not only mechanical damage but also the influences of UV radiation, weathering and chemicals.

Sealing system fulfilling IP68. System safety: For security reasons re-opening is only possible with use of a screwdriver.

Flexible conduits, excellent for applications with continual reversed bending. Quick and simple installation, reduced total installation costs (compared to other explosion-proof cable protection systems). No corrosion, long service life. Low weight.

Product description:

Conduit:
XESX...

Fittings:

NENV0202	to	NENV0809
NENZ0202R/P	to	NENZ0809S/P2
NEBV0404	to	NEBV0809
NEWV0202	to	NEWV0304
NEAV0202	to	NEAV0809
NEIR0202	to	NEIR0809
BEYR030202	to	BEYR080707
BETR020202	to	BETR080808
BESGR0303	to	BESGR0808
BENRRE030324	to	BENRRE080865
BEAVR03/02	to	BEAVR08/07

HEAK-M32/25-13	to	HEAK-M63/63-14
EMC connector with conical braid, clamp, metric, parts of metal)		
BEH02	to	BEH08 support system for conduit
BEPS-17	to	BEPS-48 support system for conduit

Marking at fittings (see at "copy of marking plate" aforementioned):

Fittings have the code Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db but only in manual instructions not on product marking plate because they are small components.

(16) **Report number**

14-Ex-0096.41 + .41 E1 + .41 E2 + .41 E3

(17) **Specific conditions of use**

- The PMA cable protection system meets the requirements of the standard IEC/EN60079-0, IEC/EN60079-7 (for gas atmosphere) and IEC/EN60079-31 (for dust atmosphere).
- Ambient temperature range:
 ** -5 °C...+85 °C for parts of product and -20 °C ... +85 °C for all others.

First group of products with nominal width (NW) use for conduit XESX02 to XESX03 have an ambient temperature range: $-5\text{ °C} \leq T_{amb} \leq +85\text{ °C}$:

NENV0202	to	NENV0303,
NENZ0202R/P	to	NENZ0404S/P1-L,
NEWV0202	to	NEWV0304
NEAV0202	to	NEAV0303
NEIR0202	to	NEIR0303
BEYR030202		
BETR020202	and	BETR030303
BESGR0303		
BENRRE030324		
BEAVR03/02		

The XESX...-conduits were tested together with the fittings.

Second group of products with nominal width (NW) use for conduit XESX04 to XESX08 have an ambient temperature range: $-20\text{ °C} \leq T_{amb} \leq +85\text{ °C}$:

NENV0404	to	NENV0809
NENZ0404S/P3	to	NENZ0809S/P2
NEBV0404	to	NEBV0809
NEAV0404	to	NEAV0809
NEIR0404	to	NEIR0809
BEYR040303	to	BEYR080707
BETR040404	to	BETR080808
BESGR0404	to	BESGR0808
BENRRE040428	to	BENRRE080865
BEAVR04/03	to	BEAVR08/07

The XESX...-conduits were tested together with the fittings.

(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"