



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

Certificate No.: IECEx SEV 15.0009X

Issue No: 4

Certificate history:

Issue No. 4 (2019-07-02)

Issue No. 3 (2017-03-21)

Issue No. 2 (2016-05-23)

Issue No. 1 (2015-06-30)

Issue No. 0 (2015-06-02)

Status: **Current**

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Date of Issue: **2019-07-02**

Applicant: **ABB Schweiz AG, PMA Cable Protection**
Aathalstrasse 90
8610 Uster
Switzerland

Equipment: **PMA Cable Protection System, Nylon range of fittings for use with XESX conduit**
Optional accessory:

Type of Protection: **Increased safety "e", Enclosure "t"**

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:

2019-07-02

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:

Eurofins Electrosuisse Product Testing AG
Luppenstrasse 3
CH-8320 FEHRALTORF
Switzerland



**Electrosuisse
Product Testing**



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Manufacturer: **ABB Schweiz AG, PMA Cable Protection**
Aathalstrasse 90
8610 Uster
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 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:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 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/ExTR15.0011/03](#)

Quality Assessment Report:

[CH/SEV/QAR17.0010/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Conduit XESX...

Classification of installation and use: stationary

Ingress protection: IP68

Rated ambient temperature range (°C): -5 °C...+85 °C and -20 °C ... +85 °C

General product Information see page 4

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 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: $-5^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$:

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: $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +85^{\circ}\text{C}$:

NENV0404 to NENV0809



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NENZ0404S/P3 to NENZ0809S/P2

NEBV0404 to NEBV0809

NEAV0404 to NEAV0809

NEIR0404 to NEIR0809

BEYR040303 to BEYR080707

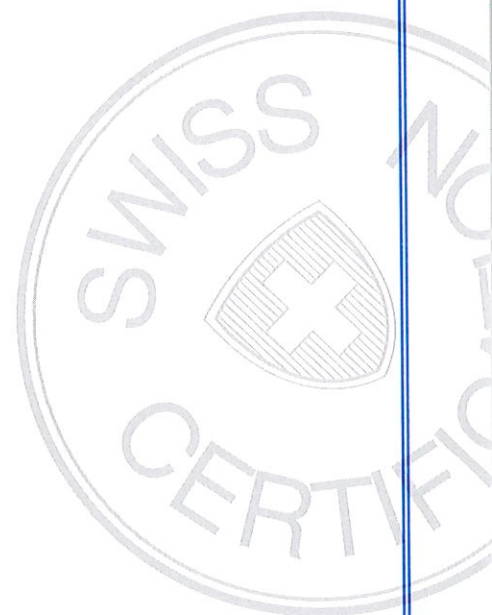
BETR040404 to BETR080808

BESGR0404 to BESGR0808

BENRRE040428 to BENRRE080865

BEAVR04/03 to BEAVR08/07

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





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EQUIPMENT (continued):

General product Information:

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



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HEAK-M32/25-13 to HEAK-M63/63-14

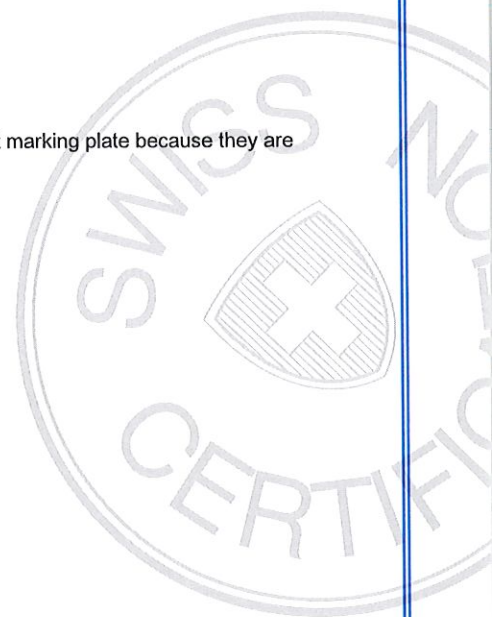
EMC connector with conical braid, clamp, metric, parts of metal)

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.





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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

