



# 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](http://www.iecex.com)

Certificate No.: **IECEX SEV 15.0009X**

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Certificate history:

Status: **Current**

Issue No: 5

Issue 4 (2019-07-02)

Issue 3 (2017-03-21)

Issue 2 (2016-05-23)

Issue 1 (2015-06-30)

Issue 0 (2015-06-02)

Date of Issue: 2022-01-20

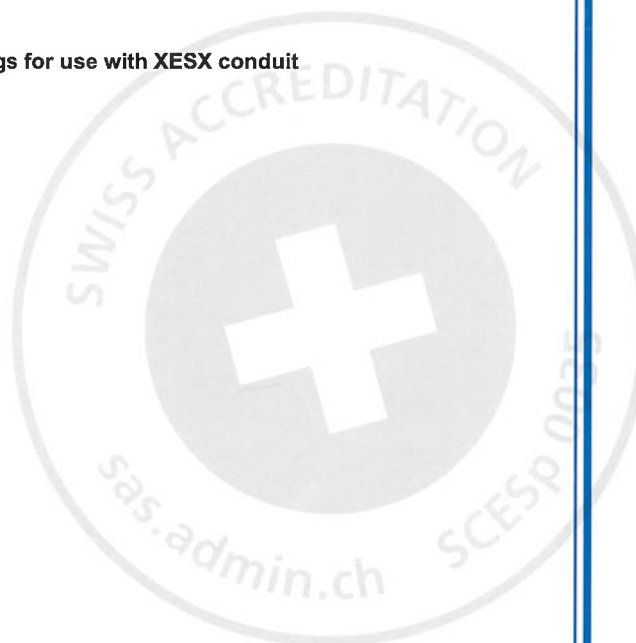
Applicant: **ABB Schweiz AG, PMA Cable Protection**  
Aathalstrasse 90  
8610 Uster  
Switzerland

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

Optional accessory:

Type of Protection: **e, t**

Marking: **Ex eb IIC Gb**  
**Ex tb IIIC Db**



Approved for issue on behalf of the IECEx  
Certification Body:

**Martin Plüss**

Position:

**Manager Product Certification**

Signature:  
(for printed version)

Date:

2022-01-20

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Certificate issued by:

**Eurofins Electric & Electronic Product Testing AG**  
Luppenstrasse 3  
8320 FEHRALTORF .  
Switzerland



**E&E**



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Date of issue: 2022-01-20

Issue No: 5

Manufacturer: **ABB Schweiz AG, PMA Cable Protection**  
Aathalstrasse 90  
8610 Uster  
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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

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

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

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/ExTR15.0011/04**

Quality Assessment Report:

**CH/SEV/QAR17.0010/01**



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Certificate No.: **IECEX SEV 15.0009X**

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Date of issue: 2022-01-20

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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

PMA Cable Protection System

Type: Nylon range of fittings for use with XESX conduit

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.

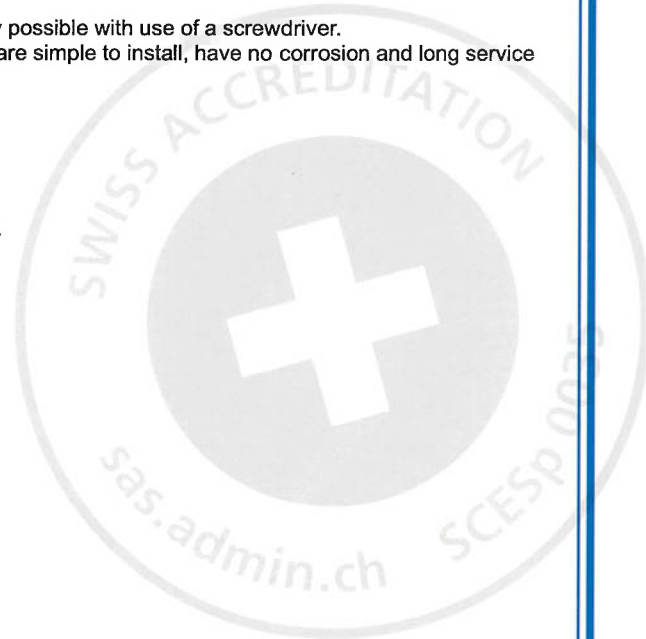
Flexible conduits are for applications with continual reversed bending. The conduits are simple to install, have no corrosion and long service life.

Classification of installation and use:	stationary
Ingress protection:	IP68
Rated ambient temperature range (°C):	-5 °C ... +85 °C and -20 °C ... +85 °C See under "Specific Conditions" for an explanation of the temperature ranges.
Rated ambient temperature range (°C) for Ex Components:	—

More Information see Annexe

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

See Annexe





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

No additional measurements.

Update Standard IEC 60079-0:2012 to IEC 60079-0:2017 with new complete test report.

New product variances about stainless steel.

New type listing.

This CoC replaces ECEX SEV 15.0009X Issue 4

**Annex:**

[15.0009 ABB Annexe i5.pdf](#)



**Annexe to:** IECEx SEV 15.0009**Issue No.: 5**  
page 1 of 12**Applicant Name:** ABB Schweiz AG, PMA Cable Protection**Equipment:** PMA Cable Protection System**Product explanation for all products:**

Explanation of the following table information:

Versions =

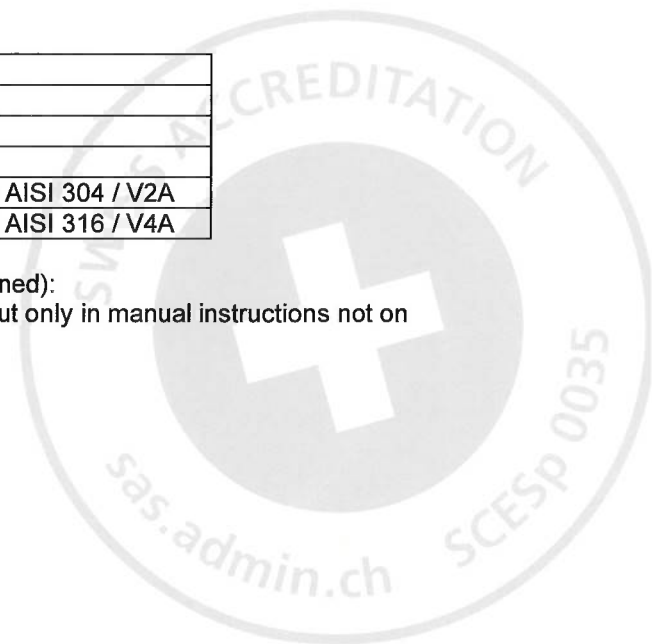
Versions S/P\* und S/P\*-L = with sealing insert

Extension – V2A =

Part of product description	Explanation
R/P or R/P-L	Without sealing insert
S/P* und S/P*-L	With sealing insert
-L	Long thread length
Extension –V2A	Stainless steel 1.4301 / AISI 304 / V2A
Extension –V4A	Stainless steel 1.4401 / AISI 316 / V4A

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.



**Product description part 1:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	Sealing insert clamping area [mm]	Thread length [mm]
NENZ0202R/P	M12x1.5	NW10	without	5.0
NENZ0202R/P-L	M12x1.5	NW10	without	15.0
NENZ0202S/P1	M12x1.5	NW10	4.0 - 6.5	5.0
NENZ0202S/P1-L	M12x1.5	NW10	4.0 - 6.5	15.0
NENZ0202S/P2	M12x1.5	NW10	5.0 - 8.0	5.0
NENZ0202S/P2-L	M12x1.5	NW10	5.0 - 8.0	15.0
NENZ0202S/P3	M12x1.5	NW10	6.5 - 9.5	5.0
NENZ0202S/P3-L	M12x1.5	NW10	6.5 - 9.5	15.0

NENZ0203R/P	M16x1.5	NW10	without	6.0
NENZ0203R/P-L	M16x1.5	NW10	without	15.0
NENZ0203S/P1	M16x1.5	NW10	4.0 - 6.5	6.0
NENZ0203S/P1-L	M16x1.5	NW10	4.0 - 6.5	15.0
NENZ0203S/P2	M16x1.5	NW10	5.0 - 8.0	6.0
NENZ0203S/P2-L	M16x1.5	NW10	5.0 - 8.0	15.0
NENZ0203S/P3	M16x1.5	NW10	6.5 - 9.5	6.0
NENZ0203S/P3-L	M16x1.5	NW10	6.5 - 9.5	15.0

NENZ0304R/P	M20x1.5	NW12	without	6.5
NENZ0304R/P-L	M20x1.5	NW12	without	15.0
NENZ0304S/P1	M20x1.5	NW12	4.0 - 6.5	6.5
NENZ0304S/P1-L	M20x1.5	NW12	4.0 - 6.5	15.0
NENZ0304S/P2	M20x1.5	NW12	5.0 - 8.0	6.5
NENZ0304S/P2-L	M20x1.5	NW12	5.0 - 8.0	15.0
NENZ0304S/P3	M20x1.5	NW12	6.5 - 9.5	6.5
NENZ0304S/P3-L	M20x1.5	NW12	6.5 - 9.5	15.0
NENZ0304S/P4	M20x1.5	NW12	7.0 - 10.5	6.5
NENZ0304S/P4-L	M20x1.5	NW12	7.0 - 10.5	15.0

 Following parts are stainless-steel  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	Sealing insert clamping area [mm]	Thread length [mm]
NENZ0304S/P1V2A	M20x1.5	NW12	4.0 - 6.5	6.0
NENZ0304S/P1LV2A	M20x1.5	NW12	4.0 - 6.5	15.0
NENZ0304S/P1V4A	M20x1.5	NW12	4.0 - 6.5	6.0
NENZ0304S/P1LV4A	M20x1.5	NW12	4.0 - 6.5	15.0



**Product description part 2:**

 Conduit:  
 XESX...

Following parts are nickel-plated brass

Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	Sealing insert clamping area [mm]	Thread length [mm]
NENZ0404R/P	M20x1.5	NW17	without	6.5
NENZ0404R/P-L	M20x1.5	NW17	without	15.0
NENZ0404S/P1	M20x1.5	NW17	4.0 - 6.5	6.5
NENZ0404S/P1-L	M20x1.5	NW17	4.0 - 6.5	15.0
NENZ0404S/P2	M20x1.5	NW17	5.0 - 8.0	6.5
NENZ0404S/P2-L	M20x1.5	NW17	5.0 - 8.0	15.0
NENZ0404S/P3	M20x1.5	NW17	6.5 - 9.5	6.5
NENZ0404S/P3-L	M20x1.5	NW17	6.5 - 9.5	15.0
NENZ0404S/P4	M20x1.5	NW17	7.0 - 10.5	6.5
NENZ0404S/P4-L	M20x1.5	NW17	7.0 - 10.5	15.0
NENZ0404S/P5	M20x1.5	NW17	9.0 - 13.0	6.5
NENZ0404S/P5-L	M20x1.5	NW17	9.0 - 13.0	15.0
NENZ0405R/P	M25x1.5	NW17	Without	7.5
NENZ0405R/P-L	M25x1.5	NW17	without	15.0
NENZ0405S/P1	M25x1.5	NW17	4.0 - 6.5	7.5
NENZ0405S/P1-L	M25x1.5	NW17	4.0 - 6.5	15.0
NENZ0405S/P2	M25x1.5	NW17	5.0 - 8.0	7.5
NENZ0405S/P2-L	M25x1.5	NW17	5.0 - 8.0	15.0
NENZ0405S/P3	M25x1.5	NW17	6.5 - 9.5	7.5
NENZ0405S/P3-L	M25x1.5	NW17	6.5 - 9.5	15.0
NENZ0405S/P4	M25x1.5	NW17	7.0 - 10.5	7.5
NENZ0405S/P4-L	M25x1.5	NW17	7.0 - 10.5	15.0
NENZ0405S/P5	M25x1.5	NW17	9.0 - 13.0	7.5
NENZ0405S/P5-L	M25x1.5	NW17	9.0 - 13.0	15.0
NENZ0405S/P6	M25x1.5	NW17	11.5 - 15.5	7.5
NENZ0405S/P6-L	M25x1.5	NW17	11.5 - 15.5	15.0
NENZ0505R/P	M25x1.5	NW23	without	7.5
NENZ0505R/P-L	M25x1.5	NW23	without	15.0
NENZ0505S/P5	M25x1.5	NW23	9.0 - 13.0	7.5
NENZ0505S/P5-L	M25x1.5	NW23	9.0 - 13.0	15.0
NENZ0505S/P6	M25x1.5	NW23	11.5 - 15.5	7.5
NENZ0505S/P6-L	M25x1.5	NW23	11.5 - 15.5	15.0
NENZ0506R/P	M32x1.5	NW23	without	8.0
NENZ0506R/P-L	M32x1.5	NW23	without	15.0
NENZ0506S/P4	M32x1.5	NW23	14.0 - 18.0	8.0
NENZ0506S/P4-L	M32x1.5	NW23	14.0 - 18.0	15.0
NENZ0506S/P5	M32x1.5	NW23	17.0 - 20.5	8.0
NENZ0506S/P5-L	M32x1.5	NW23	17.0 - 20.5	15.0

**Product description part 3:**

Conduit:  
XESX...

Following parts are nickel-plated brass

Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	Sealing insert clamping area [mm]	Thread length [mm]
NENZ0606R/P	M32x1.5	NW29	without	8.0
NENZ0606R/P-L	M32x1.5	NW29	without	15.0
NENZ0606S/P2	M32x1.5	NW29	14.0 - 18.0	8.0
NENZ0606S/P2-L	M32x1.5	NW29	14.0 - 18.0	15.0
NENZ0606S/P3	M32x1.5	NW29	17.0 - 20.5	8.0
NENZ0606S/P3-L	M32x1.5	NW29	17.0 - 20.5	15.0
NENZ0606S/P4	M32x1.5	NW29	20.0 - 25.0	8.0
NENZ0606S/P4-L	M32x1.5	NW29	20.0 - 25.0	15.0
NENZ0607R/P	M40x1.5	NW29	without	8.0
NENZ0607R/P-L	M40x1.5	NW29	without	15.0
NENZ0607S/P1	M40x1.5	NW29	11.5 - 15.5	8.0
NENZ0607S/P1-L	M40x1.5	NW29	11.5 - 15.5	15.0
NENZ0607S/P2	M40x1.5	NW29	14.0 - 18.0	8.0
NENZ0607S/P2-L	M40x1.5	NW29	14.0 - 18.0	15.0
NENZ0607S/P3	M40x1.5	NW29	17.0 - 20.5	8.0
NENZ0607S/P3-L	M40x1.5	NW29	17.0 - 20.5	15.0
NENZ0607S/P4	M40x1.5	NW29	20.0 - 25.0	8.0
NENZ0607S/P4-L	M40x1.5	NW29	20.0 - 25.0	15.0
NENZ0607S/P5	M40x1.5	NW29	24.0 - 28.0	8.0
NENZ0607S/P5-L	M40x1.5	NW29	24.0 - 28.0	15.0
NENZ0707R/P	M40x1.5	NW36	without	9.0
NENZ0707R/P-L	M40x1.5	NW36	without	15.0
NENZ0707S/P1	M40x1.5	NW36	20.0 - 25.0	9.0
NENZ0707S/P1-L	M40x1.5	NW36	20.0 - 25.0	15.0
NENZ0707S/P2	M40x1.5	NW36	24.0 - 28.0	9.0
NENZ0707S/P2-L	M40x1.5	NW36	24.0 - 28.0	15.0
NENZ0707S/P3	M40x1.5	NW36	27.0 - 32.0	9.0
NENZ0707S/P3-L	M40x1.5	NW36	27.0 - 32.0	15.0
NENZ0707S/P5	M40x1.5	NW36	32.0 - 36.0	9.0
NENZ0707S/P5-L	M40x1.5	NW36	32.0 - 36.0	15.0
NENZ0708R/P	M50x1.5	NW36	without	10.0
NENZ0708R/P-L	M50x1.5	NW36	without	15.0
NENZ0708S/P1	M50x1.5	NW36	27.0 - 32.0	10.0
NENZ0708S/P1-L	M50x1.5	NW36	27.0 - 32.0	15.0
NENZ0708S/P2	M50x1.5	NW36	29.0 - 34.0	10.0
NENZ0708S/P2-L	M50x1.5	NW36	29.0 - 34.0	15.0
NENZ0708S/P3	M50x1.5	NW36	32.0 - 36.0	10.0
NENZ0708S/P3-L	M50x1.5	NW36	32.0 - 36.0	15.0



Designation	Thread size	Pipe size	Sealing insert clamping area [mm]	Thread length [mm]
NENZ0808R/P	M50x1.5	NW48	without	10.0
NENZ0808R/P-L	M50x1.5	NW48	without	15.0
NENZ0808S/P2	M50x1.5	NW48	32.0 - 36.0	10.0
NENZ0808S/P2-L	M50x1.5	NW48	32.0 - 36.0	15.0
NENZ0808S/P3	M50x1.5	NW48	36.0 - 40.0	10.0
NENZ0808S/P3-L	M50x1.5	NW48	36.0 - 40.0	15.0

**Product description part 4:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	Sealing insert clamping area [mm]	Thread length [mm]
NENZ0809R/P	M63x1.5	NW48	without	10.0
NENZ0809R/P-L	M63x1.5	NW48	without	15.0
NENZ0809S/P1	M63x1.5	NW48	32.0 - 35.0	10.0
NENZ0809S/P1-L	M63x1.5	NW48	32.0 - 35.0	15.0
NENZ0809S/P2	M63x1.5	NW48	39.0 - 44.0	10.0
NENZ0809S/P2-L	M63x1.5	NW48	39.0 - 44.0	15.0

**Product description part 5:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NENV0202	M12x1.5	NW10	Straight	10.0
NENV0203	M16x1.5	NW10	Straight	10.0
NENV0303	M16x1.5	NW12	Straight	10.0
NENV0304	M20x1.5	NW12	Straight	10.0

 Conduit:  
 XESX...

 Following parts are stainless steel  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NENV0303/V2A	M16x1.5	NW12	Straight	10.0
NENV0303/V4A	M16x1.5	NW12	Straight	10.0
NENV0304/V2A	M20x1.5	NW12	Straight	10.0
NENV0304/V4A	M20x1.5	NW12	Straight	10.0

**Product description part 6:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NENV0404	M20x1.5	NW17	Straight	10.0
NENV0405	M25x1.5	NW17	Straight	11.0
NENV0505	M25x1.5	NW23	Straight	11.0
NENV0506	M32x1.5	NW23	Straight	13.0
NENV0606	M32x1.5	NW29	Straight	13.0
NENV0607	M40x1.5	NW29	Straight	13.0
NENV0707	M40x1.5	NW36	Straight	13.0
NENV0707/01	M40x1.5	NW36	Straight	13.0
NENV0708	M50x1.5	NW36	Straight	14.0
NENV0808	M50x1.5	NW48	Straight	14.0
NENV0809	M63x1.5	NW48	Straight	14.0
NENVA0404	NPT 1/2"	NW17	Straight	11.8

**Product description part 7:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NEVV0202	M12x1.5	NW10	90° angle	10.0
NEVV0203	M16x1.5	NW10	90° angle	10.0
NEVV0303	M16x1.5	NW12	90° angle	10.0
NEVV0304	M20x1.5	NW12	90° angle	10.0

**Product description part 8:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NEBV0404	M20x1.5	NW17	90° arc angle	10.0
NEBV0405	M25x1.5	NW17	90° Arc angle	11.0
NEBV0505	M25x1.5	NW23	90° Arc angle	11.0
NEBV0506	M32x1.5	NW23	90° Arc angle	13.0
NEBV0606	M32x1.5	NW29	90° Arc angle	13.0
NEBV0607	M40x1.5	NW29	90° Arc angle	13.0
NEBV0707	M40x1.5	NW36	90° Arc angle	13.0
NEBV0708	M50x1.5	NW36	90° Arc angle	14.0
NEBV0808	M50x1.5	NW48	90° Arc angle	14.0
NEBV0809	M63x1.5	NW48	90° Arc angle	14.0

**Product description part 9:**

 Conduit:  
 XESX...

Following parts are nickel-plated brass

Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NEAV0202	M12x1.5	NW10	45° Angle	10.0
NEAV0303	M16x1.5	NW12	45° Angle	10.0

**Product description part 10:**

 Conduit:  
 XESX...

Following parts are nickel-plated brass

Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NEAV0404	M20x1.5	NW17	45° Angle	10.0
NEAV0405	M25x1.5	NW17	45° Angle	11.0
NEAV0505	M25x1.5	NW23	45° Angle	11.0
NEAV0506	M32x1.5	NW23	45° Angle	13.0
NEAV0606	M32x1.5	NW29	45° Angle	13.0
NEAV0607	M40x1.5	NW29	45° Angle	13.0
NEAV0707	M40x1.5	NW36	45° Angle	13.0
NEAV0708	M50x1.5	NW36	45° Angle	14.0
NEAV0808	M50x1.5	NW48	45° Angle	14.0
NEAV0809	M63x1.5	NW48	45° Angle	14.0

**Product description part 11:**

 Conduit:  
 XESX...

Following parts are nickel-plated brass

Following part only for service temperature range -5 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NEIR0303	M16x1.5	NW12	Internal thread	9.0

**Product description part 12:**

 Conduit:  
 XESX...

 Following parts are nickel-plated brass  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Thread size	Pipe size	design	Thread length [mm]
NEIR0404	M20x1.5	NW17	Internal thread	10.0
NEIR0505	M25x1.5	NW23	Internal thread	10.0
NEIR0606	M32x1.5	NW29	Internal thread	11.0
NEIR0707	M40x1.5	NW36	Internal thread	13.0
NEIR0808	M50x1.5	NW48	Internal thread	15.0

**Product description part 13:**

 Conduit:  
 XESX...

 Following parts are plastic (polyamide)  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Pipe 1 size	Pipe 2 size
BEYR030202	NW12	NW10
BEYR040303	NW17	NW12

**Product description part 14:**

 Conduit:  
 XESX...

 Following parts are plastic (polyamide)  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe 1 size	Pipe 2 size
BEYR050404	NW23	NW17
BEYR060505	NW29	NW23
BEYR070606	NW36	NW29
BEYR080707	NW48	NW36

**Product description part 15:**

 Conduit:  
 XESX...

 Following parts are plastic (polyamide)  
 Following part only for service temperature range -5 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BETR020202	NW10	---
BETR030303	NW12	---

**Product description part 16:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BETR040404	NW17	---
BETR050505	NW23	---
BETR060606	NW29	---
BETR070707	NW36	---
BETR080808	NW48	---

**Product description part 17:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -5 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BESGR0303	NW12	NW12

**Product description part 18:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BESGR0404	NW17	NW17
BESGR0505	NW23	NW23
BESGR0606	NW29	NW29
BESGR0707	NW36	NW36
BESGR0808	NW48	NW48

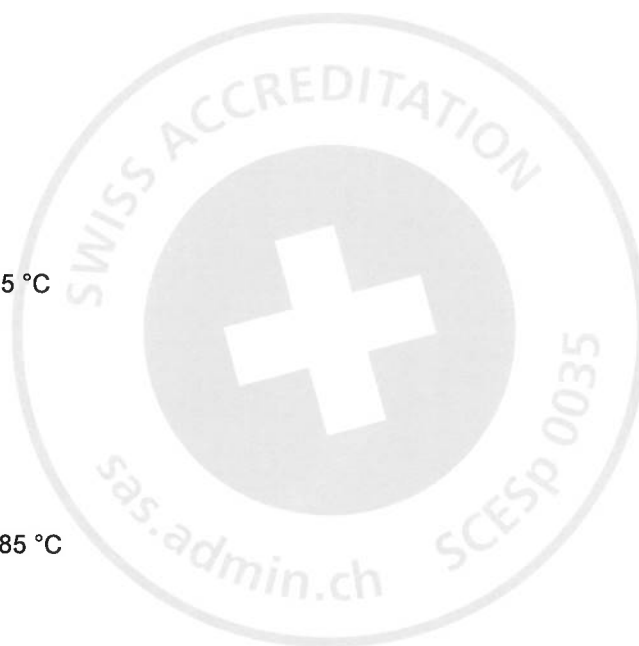
**Product description part 19:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -5 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BENRRE030324	NW12	---





**Product description part 20:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BENRRE040428	NW17	---
BENRRE050532	NW23	---
BENRRE060644	NW29	---
BENRRE070750	NW36	---
BENRRE080865	NW48	---

**Product description part 21:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -5 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BEAVR03/02	NW10	---

**Product description part 23:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BEAVR04/02	NW10	---
BEAVR04/03	NW12	---
BEAVR05/02	NW10	---
BEAVR05/04	NW17	---
BEAVR06/05	NW23	---
BEAVR07/06	NW29	---
BEAVR08/07	NW36	---

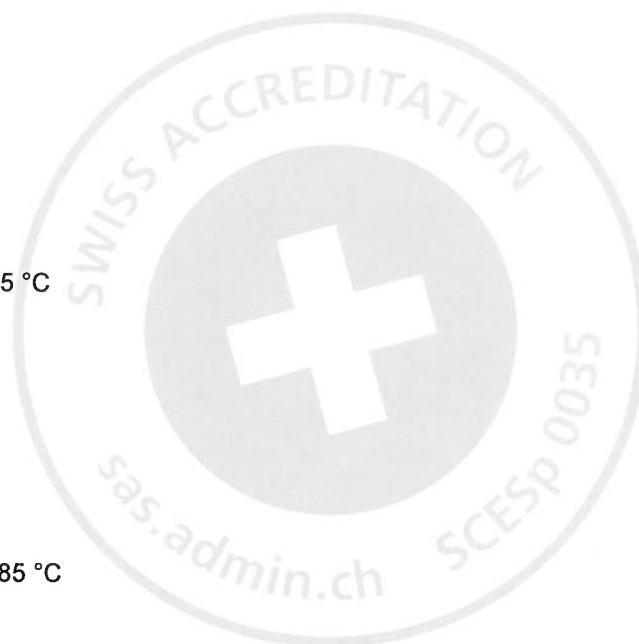
**Product description part 24:**

 Conduit:  
 XESX...

Following parts are plastic (polyamide)

Following part only for service temperature range -5 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BEH02	NW10	---
BEH03	NW12	---



**Product description part 27:**

 Conduit:  
 XESX...

 Following parts are plastic (polyamide)  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BEH04	NW17	---
BEH05	NW23	---
BEH06	NW29	---
BEH07	NW36	---
BEH08	NW48	---

**Product description part 28:**

 Conduit:  
 XESX...

 Following parts are plastic (polyamide)  
 Following part only for service temperature range -20 °C to 85 °C

Designation	Pipe1 size	Pipe 2 size
BEPS-17	NW17	---
BEPS-23	NW23	---
BEPS-29	NW29	---
BEPS-36	NW36	---
BEPS-48	NW48	---



**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:  $-5\text{ °C} \leq T_{\text{amb}} \leq +85\text{ °C}$ :

NENV0202	to	NENV0304,
NENZ0202R/P	to	NENZ0304S/P4-L,
NEWV0202	to	NEWV0304
NEAV0202	to	NEAV0303
NEIR0202	to	NEIR0303
BEYR030202		
BETR020202	and	BETR030303
BESGR0303		
BENRRE030324		
BEAVR03/02		
BEH02	to	BEH03

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

NENV0404	o	NENV0809
NENZ0404R/P	to	NENZ0809S/P2-L
NEBV0404	to	NEBV0809
NEAV0404	to	NEAV0809
NEIR0404	to	NEIR0809
BEYR040303	to	BEYR080707
BETR040404	o	BETR080808
BESGR0404	to	BESGR0808
BENRRE040428	to	BENRRE080865
BEAVR04/03	to	BEAVR08/07
BEH04	to	BEH08
BEPS-17	to	BEPS-48

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

