

CERTIFICATE

(1) Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) Type Examination Certificate Number: **DEKRA 11ATEX0089 X**

Issue Number: **2**

(4) Equipment: **Blitzductor BXT-series**

(5) Manufacturer: **DEHN + SÖHNE GmbH + Co. KG.**

(6) Address: **Hans-Dehn-Straße 1, D-92318 Neumarkt / Opf., Germany**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the directive.

The examination and test results are recorded in confidential test report no. 212607100.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2012

EN 60079-15 : 2010

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment and not to the manufacturing process and supply of this equipment.

(12) The marking of the equipment shall include the following:



II 3G Ex nA IIC T4 Gc

This certificate is issued on 10 May 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.


C.G. van Es
Certification Manager

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(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 11ATEX0089 X**

Issue No. 2

(15) **Description**

Blitzductors series BXT serve as transient suppressors in the lines of electronic circuits.

This approval applies to the following equipment types:

BXT BAS (Base unit) and the following modules:

BXT ML. B 180, BXT ML. BE . 5, BXT ML. BE . 12, BXT ML. BE . 24, BXT ML4 BE 36, BXT ML. BE . 48, BXT ML4 BE 60, BXT ML4 BE 180, BXT ML. BD . 5, BXT ML. BD . 12, BXT ML. BD . 24, BXT ML. BD . 48, BXT ML4 BD 60, BXT ML. BD 180, BXT ML4 BC 5, BXT ML4 BC 24, BXT ML4 BE C 12, BXT ML4 BE C 24, BXT ML. BE HF. 5, BXT ML. BD HF. 5, BXT ML4 BD HF 24 and BXT ML2 BD DL S 15.

Ambient temperature range -40 °C to +80 °C.

Electrical data

Type	Un
BXT ML. BE . 5, BXT ML. BD . 5, BXT ML4 BC 5, BXT ML. BE HF . 5, BXT ML. BD HF . 5	5 V
BXT ML. BE . 12, BXT ML. BD . 12, BXT ML4 BE C 12	12 V
BXT ML2 BD DL S 15	15 V
BXT ML. BE . 24, BXT ML. BD . 24, BXT ML4 BC 24, BXT ML4 BE C 24, BXT ML4 BD HF 24	24 V
BXT ML4 BE 36	36 V
BXT ML. BE . 48, BXT ML. BD . 48	48 V
BXT ML4 BE 60, BXT ML4 BD 60	60 V
BXT ML. B 180, BXT ML4 BE 180, BXT ML. BD 180	180 V

Type	Ta (max)	In
BXT ML. BE . 5, BXT ML4 BE 60, BXT ML4 BE 180, BXT ML. BD . 5, BXT ML. BD . 12, BXT ML. BD . 24, BXT ML. BD . 48, BXT ML4 BD 60, BXT ML4 BC 5, BXT ML. BE HF . 5, BXT ML. BD HF . 5, BXT ML4 BD HF 24	45 °C	1 A
	80 °C	0,55 A
BXT ML. BE . 12, BXT ML. BE . 24, BXT ML. BE . 48, BXT ML. BD 180, BXT ML4 BC 24	45 °C	0,75 A
	80 °C	0,45 A
BXT ML. B 180, BXT ML4 BE 36	45 °C	1,2 A
	80 °C	0,8 A
BXT ML4 BE C 12, BXT ML4 BE C 24	80 °C	0,1 A
BXT ML2 BD DL S 15	70 °C	0,4 A

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 11ATEX0089 X**

Issue No. 2

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 212607100.

(17) **Special conditions for safe use**

The Blitzductor series BXT shall be installed into an enclosure, which meets the requirements of a recognized type of protection, in accordance with EN 60079-0.

For ambient temperature range, see (15).

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 212607100.