

Installation / Montage Blitzductor BXT BAS EX BXT ML2 BD S EX 24

Segurança



Certificado N.º: TUV 17.0697X
Ex ia I/a Ga IIC T6...T4 Gb
Ex ib IIC T6...T4 Gb

Para conexão para circuitos intrinsecamente:

$U_i = 30\text{ V}$
 $I_i = 500\text{ mA}$
 $P_i = \text{indeterminada}$
 $C_i = \text{desprezível}$
 $L_i = \text{desprezível}$

Ou para conexão para circuitos FISCO

$U_i = 17,5\text{ V}$
 $I_i = 380\text{ mA}$
 $P_i = 5,32\text{ W}$
 $C_i = \text{desprezível}$
 $L_i = \text{desprezível}$

Faixa de temperatura ambiente:

-40 °C ≤ T_a ≤ +55 °C – para T6
-40 °C ≤ T_a ≤ +75 °C – para T5
-40 °C ≤ T_a ≤ +80 °C – para T4

Normas Técnicas / Regulamento:

ABNT NBR IEC 60079-0:2013
ABNT NBR IEC 60079-11:2013
ABNT NBR IEC 60079-26:2016
Portaria INMETRO n.º 179 de 18/05/2010

IECE DEK 11.0078X

Ex ia I/a Ga IIC T6...T4 Gb
Ex ib IIC T6...T4 Gb

KEMA 05 ATEX 0274 X
II 2 (1) G Ex ia I/a Ga IIC T6...T4 Gb
II 2 G Ex ib IIC T6...T4 T4/T5/T6 Gb
FISCO

Standards:

for ATEX: EN 60079-0
EN 60079-11

for IECEx: IEC 60079-0
IEC 60079-11
IEC 60079-26

Connection with intrinsically safe circuits with:

$U_i = 30\text{ V}$

$I_i = 500\text{ mA}$

$P_i = \text{any}$

C_i negligibly small

L_i negligibly small

Special conditions for safe use

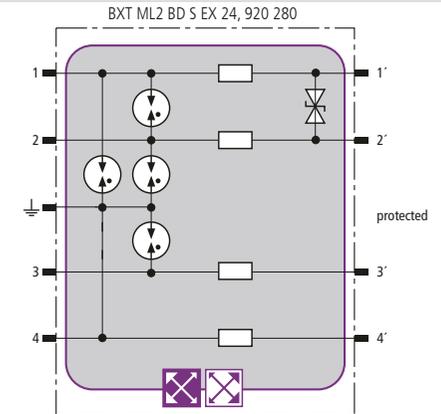
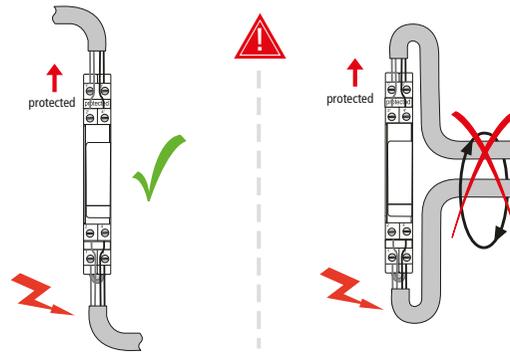
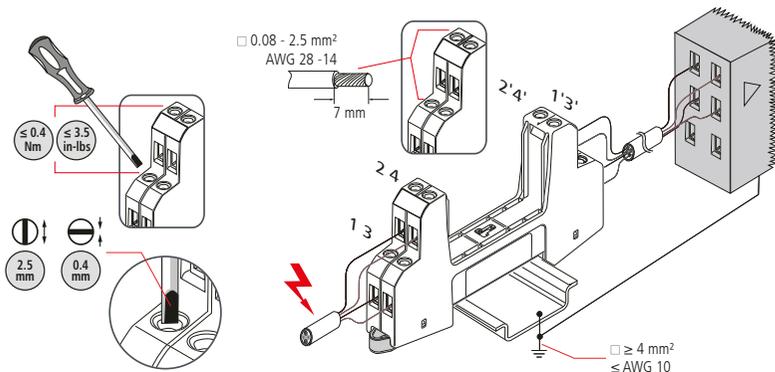
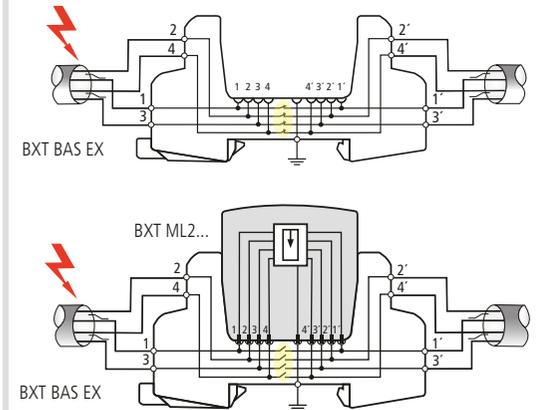
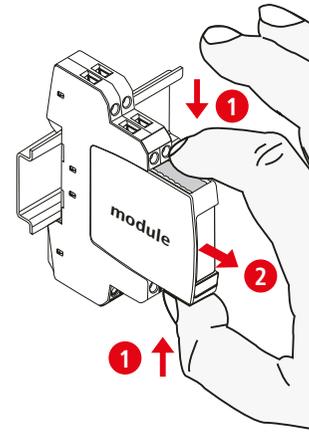
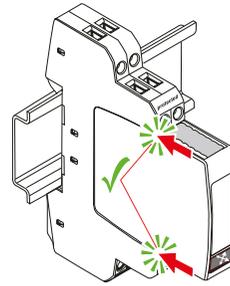
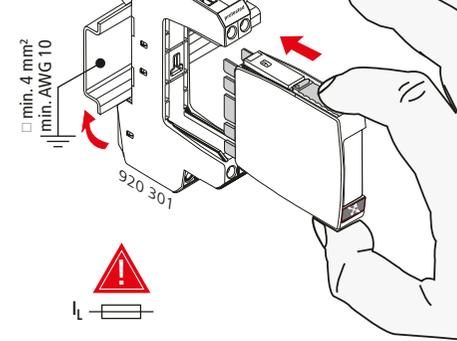
The dielectric strength of at least 500 V of the intrinsically safe circuits of the Blitzductor series BXT is limited only by the overvoltage protection. For Blitzductor BXT series type BXT ML2 BD S EX 24, the terminals X3, X4, X3' and X4' are considered to be connected to earth.

Ambient temperature range:

-40 °C...+55 °C for temperature class T6

-40 °C...+75 °C for temperature class T5

-40 °C...+80 °C for temperature class T4



Application / Anwendung

Fieldbus FISCO

Power supply

$U_0 \leq 17.5\text{ V}$,

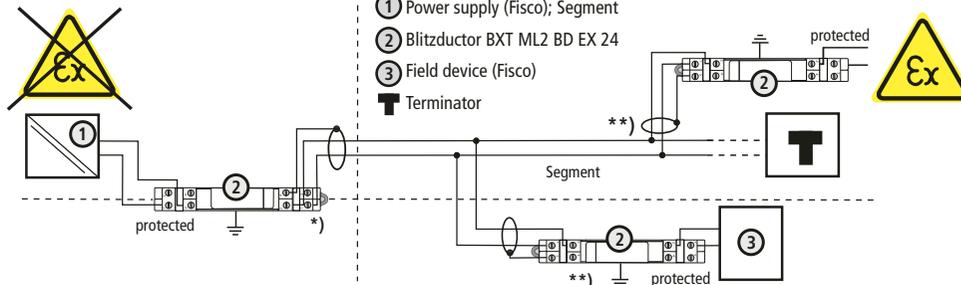
$I_0 \leq 380\text{ mA}$

Field device

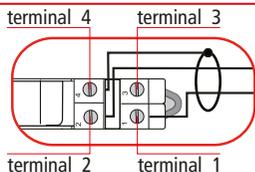
$U_i \leq 17.5\text{ V}$, $I_i \leq 380\text{ mA}$,

$P_i \leq 5.32\text{ W}$, C_i negligibly small,

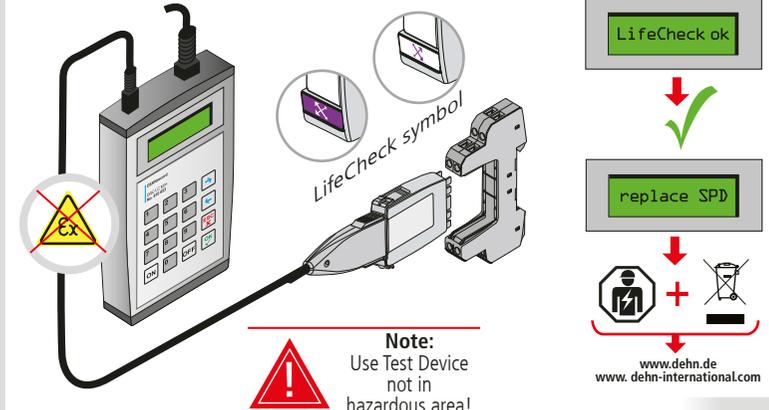
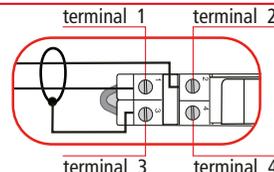
L_i negligibly small



*) direct shield earthing
Direkte Schirmerdung
BXT ML2 BD S EX 24



**) indirect shield earthing
(only in case of BXT ML2 BD S EX 24)
Indirekte Erdung des Schirmliters
(nur bei BXT ML2 BD S EX 24 möglich)



Control Drawing

Blitzductor Surge Protectors

BXT ML2 BD S EX 24
 Certificate CSA 12.70000011
 Ambient temperature range:
 - 40° C to + 55° C for T6
 - 40° C to + 75° C for T5
 - 40° C to + 80° C for T4
 Installation should be in accordance with Canadian Electrical Code CSA C22.2 part 1.

For use in type of protection IS, Class I Div. 1, GP A, B, C, D T4...T6, Class I, Zone 1, AEx ia[ia] IIC T4...T6 or Ex ia[ia] IIC T4...T6:
 Module input circuits (terminals X1, X2, X3 and X4) for connection to a certified intrinsically safe circuit, with the following maximum values:

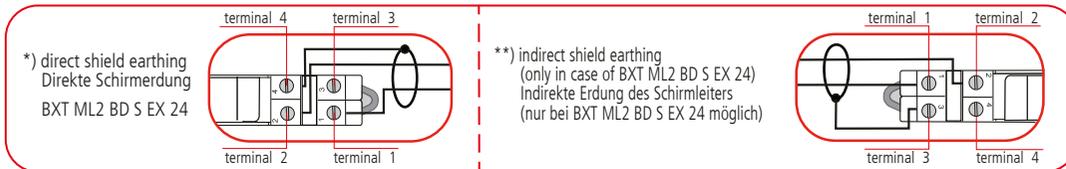
$U_i = 30\text{ V}$; $I_i = 500\text{ mA}$; $P_i = \text{any}$; $C_i = 0\text{ nF}$; $L_i = 0\text{ mH}$

or for connection to a certified intrinsically safe circuit or a circuit in accordance with FISCO, with the following maximum values:
 $U_i = 17.5\text{ V}$; $I_i = 380\text{ mA}$; $P_i = 5.32\text{ W}$; $C_i = 0\text{ nF}$; $L_i = 0\text{ }\mu\text{H}$

The module outputs (terminals 1', 2') can be connected to zone 0.

WARNING:
 Substitution of components may impair intrinsic safety!

AVERTISSEMENT:
 La substitution de composants peut compromettre la sécurité intrinsèque!

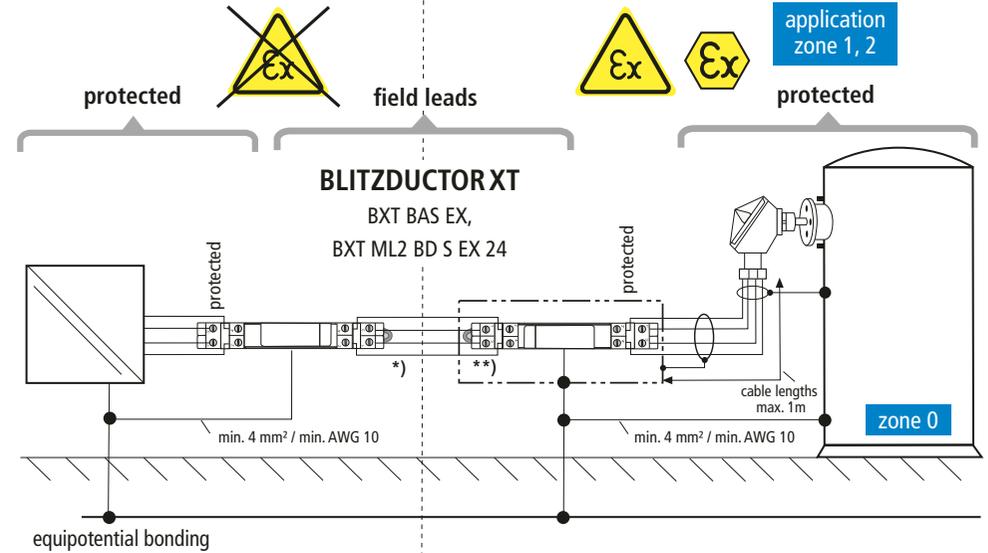


Intrinsic Safety

Non hazardous area

Hazardous area

Class I Div. 1, GP A, B, C, D T4...T6
 Class I, Zone 1, AEx / Ex ia[ia] IIC T4...T6



EC/EU Declaration of Conformity

CE EC/EU Declaration of Conformity
 EG/EU Konformitätserklärung

Document: CE-BXT ML2 BD S EX 24
 Dokument:

Manufacturer: DEHN SE + Co KG
 Hersteller: Hans-Dehn-Strasse 1
 92318 Neumarkt, Germany

We declare that the designated product(s)
 Wir erklären, dass das/die folgende(n) Produkt(e)

Product Type Produktbezeichnung	Article No. Artikel-Nr.	Standard Norm	EC/EU-Type Examination Certificate Prüfbescheinigung	Date Datum
BXT ML2 BD S EX 24	920280	EN 60079-0:2012 + A11	KEMA 06ATEX0274 X Issue No. 4	12.08.2015
BXT BAS EX	920301	EN 60079-11:2012 + A11 EN 60079-0:2012 + A11 EN 60079-11:2012	KEMA 06ATEX0274 X Issue No. 4	12.08.2015

DEKRA Certification B.V., Arnhem, The Netherlands
 Notified body number: 0344

conform(s) with the European Directive:
 der Europäischen Richtlinie entspricht/entsprechen:

2014/34/EU ATEX Directive of 26 February 2014
 2014/34/EU ATEX-Richtlinie vom 26. Februar 2014

and the designated product(s):
 und das/die folgende(n) Produkt(e):

Product Type Produktbezeichnung	Article No. Artikel-Nr.	Standard Norm	Technical Report Prüfbericht	Date Datum
BXT ML2 BD S EX 24	920280	EN 61643-31:2001 + A1:2009 + A2:2013 EN 61643-21:2001 + A1:2009 + A2:2013	DS-Y-11-08	18.01.2016
BXT BAS EX	920301	EN 61643-31:2001 + A1:2009 + A2:2013	DS-Y-11-08	18.01.2016

CE EC/EU Declaration of Conformity
 EG/EU Konformitätserklärung

conform(s) with the European Directive(s):
 der/den Europäischen Richtlinie(n) entspricht/entsprechen:

2014/35/EU Low-Voltage Directive of 26 February 2014
 2014/35/EU Niederspannungsrichtlinie vom 26. Februar 2014

2011/65/EU RoHS Directive of 08 June 2011
 2011/65/EU RoHS-Richtlinie vom 08. Juni 2011

This declaration certifies compliance with the indicated directive(s) but implies no warranty of properties. The safety instructions of the accompanying documentation shall be observed. This declaration of conformity is issued under the sole responsibility of the manufacturer.

Diese Erklärung bescheinigt die Übereinstimmung mit der/den genannten Richtlinie(n), enthält jedoch keine Zusicherung von Eigenschaften. Es gelten die Sicherheitsanweisungen in der mitgelieferten Produktdokumentation. Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller.

Issuer: DEHN SE + Co KG
 Aussteller: Hans-Dehn-Strasse 1, 92318 Neumarkt, Germany
 Place, date: Neumarkt, 17.10.2019

Legally binding signature:
 Rechtserkennende Unterschrift:

Dr. Thomas J. Schoepf
 Chief Technology Officer

ppa Dr. Ralph Broeke
 Director R&D

Application / Anwendung

Accessories / Zubehör
 SAK BXT LR

Shield $\varnothing 3 - 10$

40
12 26 7

*) indirect shield earthing / Indirekte Schirmerdung

*) direct shield earthing / Direkte Schirmerdung

1. Secure, mesh wire shield retained in terminal.
 Sicherstellen, Abschirmgeflecht in Klemme gehalten.

2. 3. 4.

