

Installation / Montage

Blitzductor BXT BAS EX BXT ML2 BD HF EX 6



Ex ia [ia Ga] IIC T6...T4 Gb
Ex ib IIC T6...T4 Gb

Para conexão para circuitos intrinsecamente:

$U_i = 4,2 V$
 $I_i = 4,8 A$
 $P_i =$ indeterminada
 $C_i =$ desprezível
 $L_i =$ desprezível

Faixa de temperatura ambiente:

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

Normas Técnicas / Regulamento:

ABNT NBR IEC 60079-0:2020
ABNT NBR IEC 60079-11:2013
Portaria INMETRO no 115 de 21/03/2022

IECE DEK 11.0078X

Ex ia [ia Ga] IIC T6...T4 Gb
Ex ib IIC T6...T4 Gb

KEMA 06 ATEX 0274 X
II 2 (1) G Ex ia [ia Ga] IIC T6...T4 Gb
II 2 G Ex ib IIC T6...T4 Gb

Standards:

for ATEX: EN 60079- 0
EN 60079-11

for IECEx: IEC 60079-0
IEC 60079-11

Connection with intrinsically safe circuits with:

$U_i = 4,2 V$

$I_i = 4,8 A$

$P_i =$ 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.

Ambient temperature range:

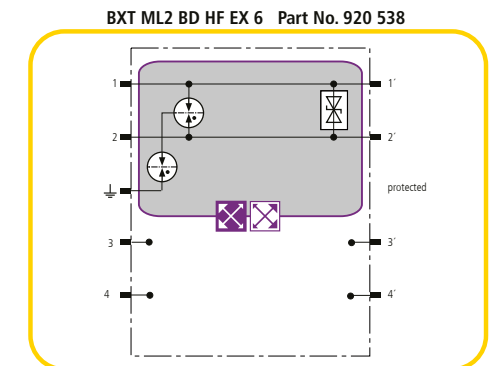
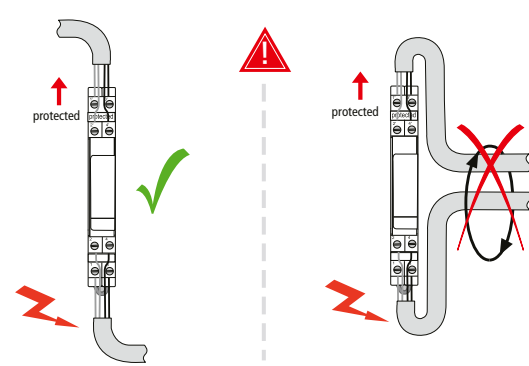
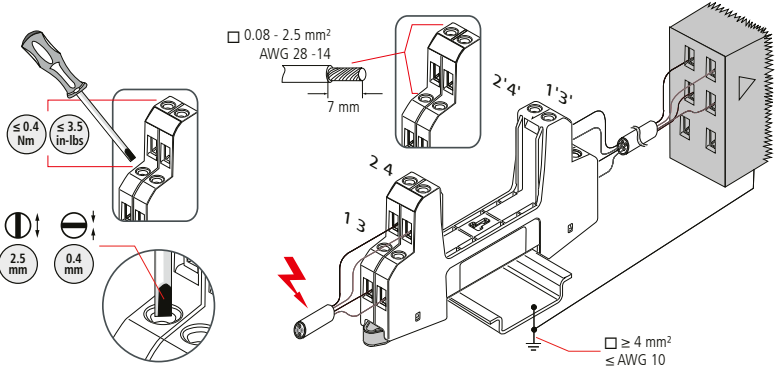
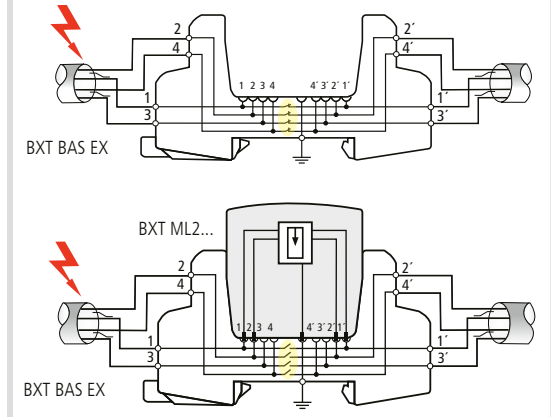
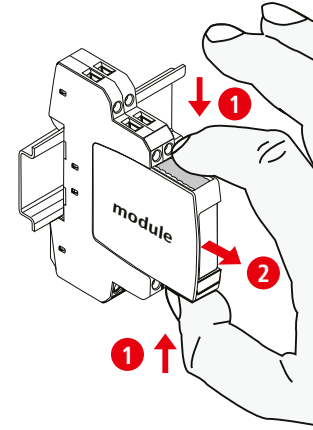
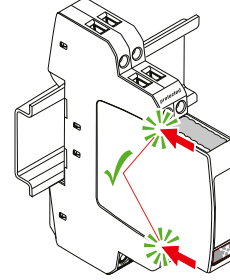
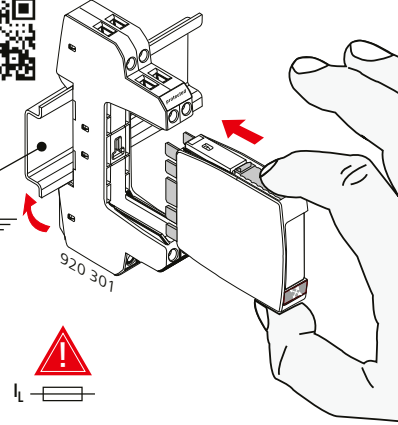
-40°C...+55°C for temperature class T6

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

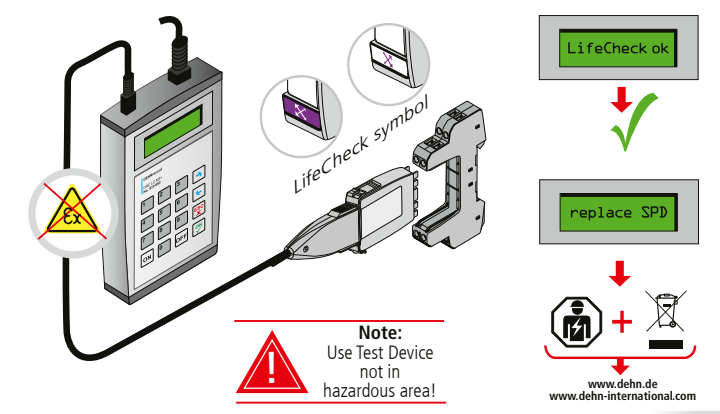
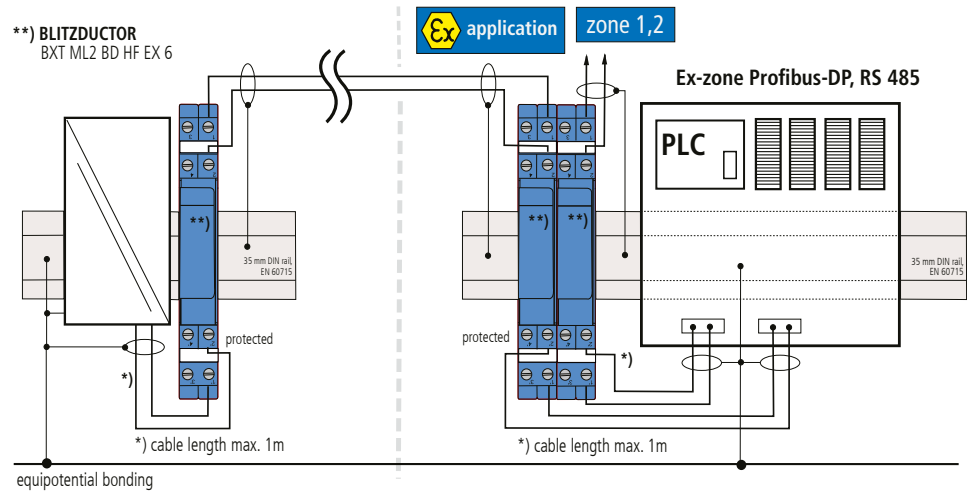
-40°C...+80°C for temperature class T4



□ min. 4 mm²
□ min. AWG 10



Application / Anwendung



EC/EU Declaration of Conformity

CE EU Declaration of Conformity
EU Konformitätserklärung

Document: CE-BXT ML2 BD HF EX 6
Hersteller: DEHN SE, Hans-Dehn-Str. 1, 92318 Neumarkt, Germany

We declare that the designated product(s) conform(s) with the European Directives(s) ...

Product Type	Article No.	Standard	Certificate
BXT ML2 BD HF EX 6	920538	EN 60079-11:2012 EN IEC 60079-0:2018	REMA 06ATEX0274 X
BXT BAS EX	920301	EN 60079-11:2012 EN IEC 60079-0:2018	REMA 06ATEX0274 X

2014/34/EU ATEX Directive of 26 February 2014

Product Type	Article No.	Standard
BXT ML2 BD HF EX 6	920538	EN 61643-21:2001 + A1:2009 + A2:2013 EN IEC 63000:2018
BXT BAS EX	920301	EN 61643-21:2001 + A1:2009 + A2:2013 EN IEC 63000:2018

2011/65/EU RoHS Directive of 08 June 2011

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Control Drawing

Blitzductor Surge Protectors

BXT ML2 BD HF EX 6

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

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 an X4) for connection to A certified intrinsically safe circuit, with the following maximum values: Ui = 30 V; li = 500 mA; Pi = any; Ci = 0 nF; Li = 0 mH

or for connection to a certified intrinsically safe circuit or a circuit in accordance with FISCO, with the following maximum values: Ui = 17.5 V; li = 380 mA; Pi = 5.32 W; Ci = 0nF; Li = 0 µH

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

Installation should be in accordance with Canadian Electrical Code CSA C22.2 part I.

WARNING: Substitution of components may impair intrinsic safety!

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

CE EU Declaration of Conformity
EU Konformitätserklärung

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.

Hersteller: DEHN SE, Hans-Dehn-Str. 1, 92318 Neumarkt, Germany

Place, date: Neumarkt, 25.07.2023

Legally binding signature: Christian Hoehler, Chief Technology Officer

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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

