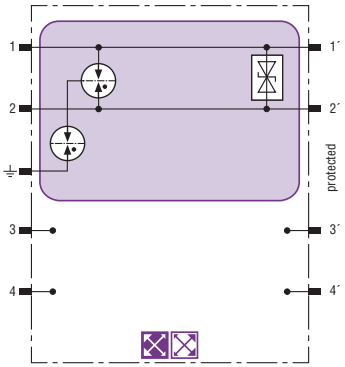
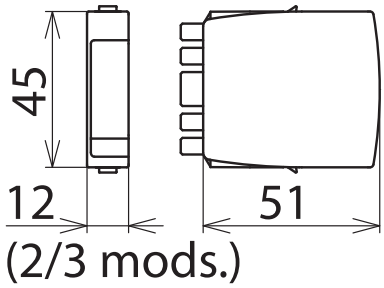
BXT ML2 BD HF EX 6 (920 538)

- For universal use, with LifeCheck monitoring device
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_B – 2 and higher





Basic circuit diagram



Dimension drawing

Space-saving LifeCheck-equipped surge arrester module for protecting one pair in intrinsically safe measuring circuits and RS485 bus systems. Insulation strength > 500 V line-earth.
If LifeCheck detects thermal and electrical overload, the arrester has to be replaced. This status is indicated contactlessly by DEHNrecord LC / SCM / MCM.

Type	**BXT ML2 BD HF EX 6**
Part No.	**920 538**
SPD class	TYPE 2 P1
SPD monitoring system	LifeCheck
Nominal voltage (U_N)	6 V
Max. continuous operating voltage (d.c.) (U_c)	6 V
Max. continuous operating voltage (a.c.) (U_c)	4.2 V
Max. input voltage acc. to EN 60079-11 (U_i)	4.2 V
Max. input current according to EN 60079-11 (I_i)	4.8 A
Max. input current acc. to EN 60079-11 (without protection module only up to 60 °C) (I_i)	4.8 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
C2 Nominal discharge current (8/20 µs) line-line (I_n)	300 A
C2 Nominal discharge current (8/20 µs) per line (I_n)	5 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 35 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 1800 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 20 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 1400 V
Cut-off frequency line-line (f_G)	100 MHz
Capacitance line-line (C)	≤ 25 nF
Capacitance line-PG (C)	≤ 20 pF
Operating temperature range (T_U)	-40 °C ... +80 °C
Degree of protection (with plugged-in protection module)	IP 20
Pluggable into	base part
Earthing via	base part
Enclosure material	polyamide PA 6.6
Colour	blue
Test standards	IEC 61643-21 / EN 61643-21
Approvals *)	ATEX, IECEx, CCC, CSA & USA Hazloc, SIL, Inmetro, UKCA
SIL classification	up to SIL3 *)
ATEX approvals (1)	KEMA 06ATEX0274 X: II 2 (1) G Ex ia [ia Ga] IIC T6 ... T4 Gb
ATEX approvals (2)	KEMA 06ATEX0274 X: II 2 G Ex ib IIC T6 ... T4 Gb
IECEx approvals (1) ( )	DEK 11.0078X: Ex ia [ia Ga] IIC T6 ... T4 Gb
IECEx approvals (2)	DEK 11.0078X: Ex ib IIC T6 ... T4 Gb
CSA & USA Hazloc approvals (1)	70000011: Class I Div. 1; Class I Zone 1
CSA & USA Hazloc approvals (2)	70000011: Ex ia [ia] IIC T6 ... T4
China Compulsory Certification	CCC No. 2021312304001156

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Inmetro approvals	TÜV 17.0697 X: Ex ib IIC T6 ... T4 Gb

Masterdata	
Net weight	20.2 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364125285
PU	1 pc(s)

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

*) For details, see: www.dehn-international.com

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