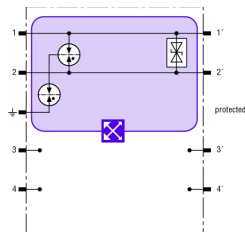


## BXT ML2 BD HF EX 6 (920 538)

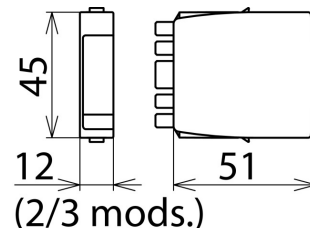
- For universal use, with LifeCheck monitoring device
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from  $O_b -2$  and higher



Figure without obligation



Basic circuit diagram BXT ML2 BD HF EX 6



Dimension drawing BXT ML2 BD HF EX 6

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 Pt1
SPD monitoring	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 acc. 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 $\mu$ s) per line ( $I_{imp}$ )	1 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) line-line ( $I_n$ )	300 A
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	5 kA
Voltage protection level line-line for $I_n$ C2 ( $U_p$ )	$\leq 35$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 1800$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 20$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 1400$ V
Cut-off frequency line-line ( $f_c$ )	100 MHz
Capacitance line-line (C)	$\leq 25$ nF
Capacitance line-PG (C)	$\leq 20$ pF
Operating temperature range ( $T_U$ )	-40 °C ... +80 °C
Degree of protection (with plugged-in protection module)	IP 20
Plugs into	base part
Earthing via	base part
Enclosure material	polyamide PA 6.6
Colour	blue
Test standards	IEC 61643-21 / EN 61643-21
Approvals <sup>*)</sup>	EACEx, ATEX, IECEx, CSA & USA Hazloc, SIL
SIL classification	up to SIL3 <sup>*)</sup>
ATEX approvals (1)	KEMA 06ATEX0274 X: II 2 (1) G Ex ia [ia Ga] IIC T4 ... T6 Gb
ATEX approvals (2)	KEMA 06ATEX0274 X: II 2 G Ex ib IIC T4 ... T6 Gb
IECEx approvals (1)	DEK 11.0078X: Ex ia [ia Ga] IIC T4 ... T6 Gb
IECEx approvals (2)	DEK 11.0078X: Ex ib IIC T4 ... T6 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 T4 ... T6
Weight	20 g
Customs tariff number	85363010
GTIN	4013364125285
PU	1 pc(s)

<sup>\*)</sup> For more detailed information, please visit [www.dehn-international.com](http://www.dehn-international.com).

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.