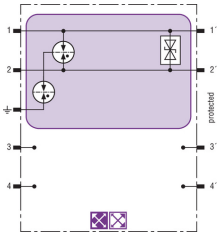
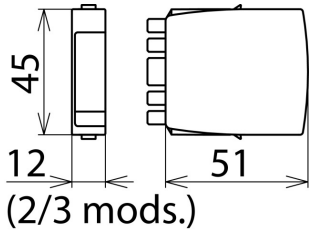
BXT ML2 BD HF EX 6 (920 538)

- 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

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 Part No.	BXT ML2 BD HF EX 6 920 538
SPD class	TYPE 2 P1
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 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 (U_p)	≤ 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
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 *)	EACEx, ATEX, IECEx, CSA & USA Hazloc, SIL, Inmetro
SIL classification	up to SIL3 *)
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
Inmetro approvals	TÜV 17.0697 X: Ex ib IIC T6 ... T4 Gb
Weight	20 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364125285
PU	1 pc(s)

*) For more detailed information, please visit www.dehn-international.com.