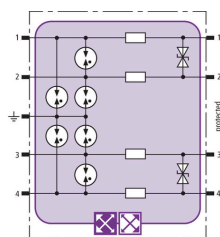


BXT ML4 BD EX 24 (920 381)

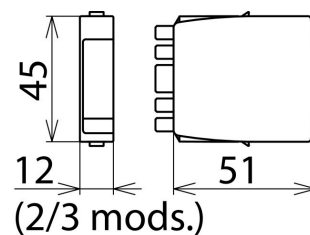
- For universal use, with LifeCheck monitoring function
- Self-capacitance and self-inductance negligibly small
- For installation in conformity with the lightning protection zone concept at the boundaries from $O_b - 2$ and higher



Figure without obligation



Basic circuit diagram BXT ML4 BD EX 24



Dimension drawing BXT ML4 BD EX 24

Space-saving LifeCheck-equipped surge arrester module for protecting two pairs in intrinsically safe measuring circuits and bus systems, meets FISCO requirements. ATEX. Insulation strength > 500 V line-earth.

If LifeCheck detects thermal or electrical overload, the arrester has to be replaced. This status is indicated contactlessly by DEHNrecord LC / SCM / MCM.

Type	BXT ML4 BD EX 24
Part No.	920 381
SPD class	TYPE 2 PI
SPD monitoring	LifeCheck
Nominal voltage (U_N)	24 V
Max. continuous operating voltage (d.c.) (U_c)	33 V
Max. continuous operating voltage (a.c.) (U_c)	23 V
Max. input voltage acc. to EN 60079-11 (U_i)	30 V
Max. input current acc. to EN 60079-11 (I_i)	0.5 A
D1 Total lightning impulse current (10/350 μ s) (I_{imp})	4 kA
D1 Lightning impulse current (10/350 μ s) per line (I_{imp})	1 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	20 kA
C2 Nominal discharge current (8/20 μ s) per line (I_n)	5 kA
Voltage protection level line-line for I_{imp} D1 (U_p)	≤ 50 V
Voltage protection level line-PG for I_{imp} D1 (U_p)	≤ 1300 V
Voltage protection level line-line for I_n C2 (U_p)	≤ 52 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 1400 V
Voltage protection level line-line at 1 kV/ μ s C3 (U_p)	≤ 45 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 1100 V
Series resistance per line	1.0 ohm
Cut-off frequency line-line (f_c)	7.7 MHz
Capacitance line-line (C)	≤ 0.8 nF
Capacitance line-PG (C)	≤ 16 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, UL 497B
Approvals ¹⁾	CSA, 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 ia [ia Ga] IIC T6 ... T4 Gb
Weight	23 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364109025
PU	1 pc(s)

^{*)} For more detailed information, please visit 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.