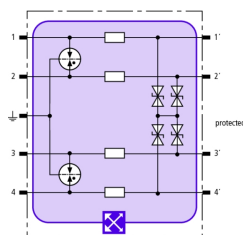


## BXT ML4 BC 5 (920 350)

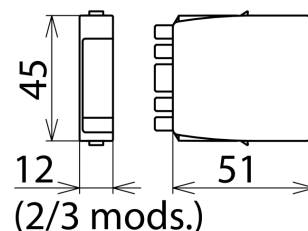
- LifeCheck SPD monitoring function
- Optimal protection of max. four lines
- For installation in conformity with the lightning protection zone concept at the boundaries from 0<sub>A-2</sub> and higher



Figure without obligation



Basic circuit diagram BXT ML4 BC 5



Dimension drawing BXT ML4 BC 5

Space-saving combined lightning current and surge arrester module with LifeCheck feature for protecting max. four unearthed single lines sharing a common reference potential. If LifeCheck detects thermal or electrical overload, the arrester has to be replaced. This status is indicated contactlessly by the DEHNrecord LC / SCM / MCM reader.

Type	BXT ML4 BC 5
Part No.	920 350
SPD monitoring system	LifeCheck
SPD class	TYPE 4 <b>PI</b>
Nominal voltage (U <sub>N</sub> )	5 V
Max. continuous operating voltage (d.c.) (U <sub>C</sub> )	6.0 V
Max. continuous operating voltage (a.c.) (U <sub>C</sub> )	4.2 V
Nominal current at 45 °C (I <sub>N</sub> )	1.0 A
D1 Total lightning impulse current (10/350 μs) (I <sub>imp</sub> )	10 kA
D1 Lightning impulse current (10/350 μs) per line (I <sub>imp</sub> )	2.5 kA
C2 Total nominal discharge current (8/20 μs) (I <sub>n</sub> )	20 kA
C2 Nominal discharge current (8/20 μs) per line (I <sub>n</sub> )	10 kA
Voltage protection level line-line for I <sub>imp</sub> D1 (U <sub>p</sub> )	≤ 25 V
Voltage protection level line-PG for I <sub>imp</sub> D1 (U <sub>p</sub> )	≤ 550 V
Voltage protection level line-line at 1 kV/μs C3 (U <sub>p</sub> )	≤ 9 V
Voltage protection level line-PG at 1 kV/μs C3 (U <sub>p</sub> )	≤ 550 V
Series resistance per line	1.0 ohm(s)
Cut-off frequency line-line (f <sub>C</sub> )	1.0 MHz
Capacitance line-line (C)	≤ 5.4 nF
Capacitance line-PG (C)	≤ 16 pF
Operating temperature range (T <sub>U</sub> )	-40 °C ... +80 °C
Degree of protection (with plugged-in protection module)	IP 20
Pluggable into	BXT BAS / BSP BAS 4 base part
Earthing via	BXT BAS / BSP BAS 4 base part
Enclosure material	polyamide PA 6.6
Colour	yellow
Test standards	IEC 61643-21 / EN 61643-21, UL 497B
Approvals	CSA, EAC, ATEX, IECEx, CSA & USA Hazloc, SIL
SIL classification	up to SIL3 <sup>*)</sup>
ATEX approvals	DEKRA 11ATEX0089 X: II 3 G Ex nA IIC T4 Gc
IECEx approvals	DEK 11.0032X: Ex nA IIC T4 Gc
CSA & USA Hazloc approvals (1)	2516389: Class I Div. 2 GP A, B, C, D T4
CSA & USA Hazloc approvals (2)	2516389: Class I Zone 2, AEx nA IIC T4
Weight	24 g
Customs tariff number	85363010
GTIN	4013364109131
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.