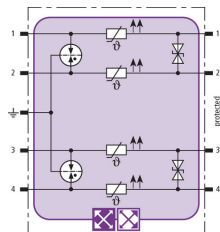


## BXT ML4 BPD 24 (920 314)

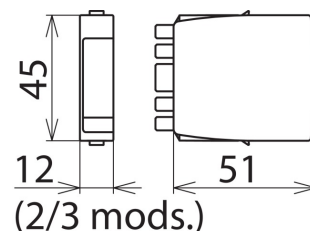
- LifeCheck SPD monitoring
- For 24 V d.c. systems - combined with overcurrent protection
- For installation in conformity with the lightning protection concept at the boundaries from  $0_A -2$  and higher



Figure without obligation



Basic circuit diagram BXT ML4 BPD 24



Dimension drawing BXT ML4 BPD 24

Space-saving combined arrester module with LifeCheck feature for protecting two pairs in 24 V d.c. systems. Can also be used for systems with earthed negative poles. Integrated PTC resistors allow to reliably reset the arrester after the system circuit has been affected by short-circuit currents up to 40 A. 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 BPD 24
Part No.	920 314
SPD monitoring system	LifeCheck
SPD class	<b>TYPE 1 PI</b>
Nominal voltage ( $U_N$ )	24 V
Max. continuous operating voltage (d.c.) ( $U_C$ )	33 V
Max. continuous operating voltage (a.c.) ( $U_C$ )	23.3 V
Nominal current at 70 °C ( $I_N$ )	0.1 A
D1 Total lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	10 kA
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	2.5 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	20 kA
C2 Nominal discharge current (8/20 $\mu$ s) per line ( $I_n$ )	10 kA
Voltage protection level line-line for $I_{imp}$ D1 ( $U_p$ )	$\leq 55$ V
Voltage protection level line-PG for $I_{imp}$ D1 ( $U_p$ )	$\leq 650$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 45$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 550$ V
Series resistance per line	typ. 10 ohm(s)
Cut-off frequency line-line ( $f_c$ )	4 MHz
Capacitance line-line (C)	$\leq 1.0$ nF
Capacitance line-PG (C)	$\leq 15$ pF
Operating temperature range ( $T_U$ )	-40 °C ... +70 °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
Approvals	EAC, SIL
Weight	25 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364261396
PU	1 pc(s)

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.