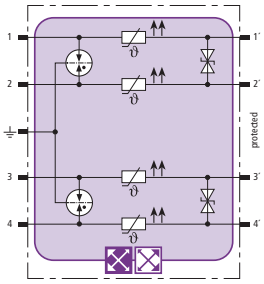
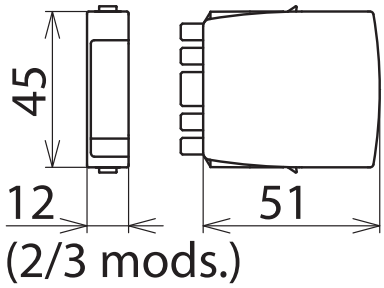
BXT ML4 BPD 24 (920 314)

- 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





Basic circuit diagram



Dimension drawing

Space-saving combined arrester module with LifeCheck 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 the arrester to be safety reset 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**
Technical data	
SPD monitoring system	LifeCheck
SPD class	TYPE 1 P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage DC (U_C)	33 V
Max. continuous operating a.c. voltage (U_C)	23.3 V
Nominal current at 70 °C (I_L)	0.1 A
D1 Total lightning impulse current (10/350 µs) (I_{imp})	10 kA
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	2.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	20 kA
C2 Nominal discharge current (8/20 µs) per line (I_n)	10 kA
Voltage protection level line-line for I_{imp} D1 (U_P)	≤ 55 V
Voltage protection level line-PG for I_{imp} D1 (U_P)	≤ 650 V
Voltage protection level line-line at 1 kV/µs C3 (U_P)	≤ 45 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 550 V
Series resistance per line	typ. 10 Ohm
Cut-off frequency line-line (f_G)	4 MHz
Capacitance line-line (C)	≤ 1.0 nF
Capacitance line-PG (C)	≤ 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	SIL

Masterdata	
Net weight	25.07 g/pc(s)
GTIN	4013364261396
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component