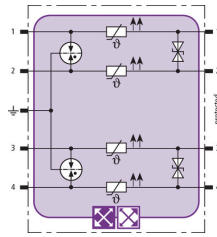


BXT ML4 BPD 24 (920 314)

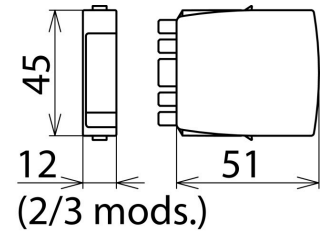
- LifeCheck SPD monitoring
- For 24 V d.c. systems - combined with overcurrent protection
- For installation in conformity with the lightning protection concept at the boundaries from 0_A –2 and higher



Figure without obligation



Basic circuit diagram BXT ML4 BPD 24



Dimension drawing BXT ML4 BPD 24

Space-saving combined arrester module with LifeCheck 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 Part No.	BXT ML4 BPD 24 920 314
SPD monitoring system	LifeCheck
SPD class	TYPE I PI
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 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(s)
Cut-off frequency line-line (f _c)	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
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.