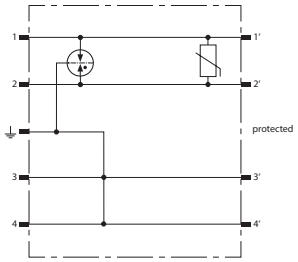
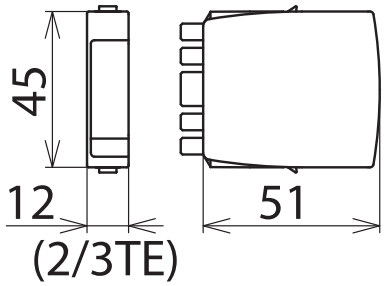
BXT M2 BD HC5A 24 (920 296)

- Optimal protection for one pair
- For d.c. signal circuits up to a nominal current of 5 A
- For installation in conformity with the lightning protection zone concept at the boundaries from 0_A – 2 and higher





Basic circuit diagram



Dimension drawing

Space-saving combined lightning current and surge arrester module for protecting 1 pair of unearthed balanced interfaces. The module is adapted to interfaces with direct currents up to 5 A, e.g. for controlling motor-driven actuators with high starting and operating currents.

Type	**BXT M2 BD HC5A 24**
Part No.	**920 296**
Technical data	
SPD class	TYPE 1 P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage DC (U_C)	36 V
Max. continuous operating a.c. voltage (U_C)	25.5 V
Nominal current (I_L)	5 A
D1 Total lightning impulse current (10/350 µs) (I_{imp})	5 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)	≤ 240 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)	≤ 150 V
Voltage protection level line-PG at 1 kV/µs C3 (U_P)	≤ 600 V
Series resistance per line	0 Ohm
Cut-off frequency line-line (f_G)	1.56 MHz
Operating temperature range (T_U)	-40 °C ... +80 °C
Degree of protection (with plugged-in protection module)	IP 20
Pluggable into (up to I_L = 3 A)	BXT BAS base part
Pluggable into (up to I_L = 5 A)	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
SIL classification	up to SIL3 *)
Extended technical data	
Max. discharge current (8/20 µs) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
Voltage protection level core-PG at 1 kV/µs C3 after being atressed with I_{max} (U_P)	< 600 V

Masterdata	
Net weight	21 g/pc(s)
GTIN	4013364340015
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.

*) For details, see: www.dehn-international.com

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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