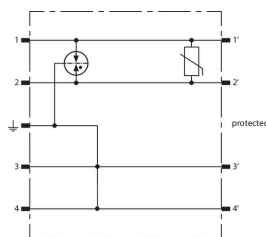


BXT M2 BD HC5A 24 (920 296)

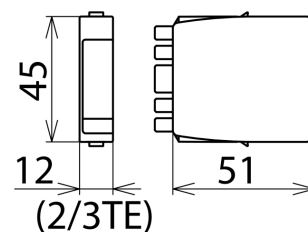
- Optimal protection for one pair
- For d.c. signal circuits up to a nominal current of 5 A
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A -2$ and higher



Figure without obligation



Basic circuit diagram BXT M2 BD HC5A 24



Dimension drawing BXT M2 BD HC5A 24

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
SPD class	TYPE II P1
Nominal voltage (U_N)	24 V
Max. continuous operating voltage (d.c.) (U_C)	36 V
Max. continuous operating voltage (a.c.) (U_C)	25.5 V
Nominal current (I_L)	5 A
D1 Total lightning impulse current (10/350 μ s) (I_{imp})	5 kA
D1 Lightning impulse current (10/350 μ s) per line (I_{imp})	2.5 kA
C2 Total nominal discharge current (8/20 μ s) (I_n)	20 kA
C2 Nominal discharge current (8/20 μ s) 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/ μ s C3 (U_p)	≤ 150 V
Voltage protection level line-PG at 1 kV/ μ s C3 (U_p)	≤ 600 V
Series resistance per line	0 ohm(s)
Cut-off frequency line-line (f_c)	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 μ s) [1/2 - PG], [1+2 - PG] (I_{max})	20 kA
– Voltage protection level core-PG at 1 kV/ μ s C3 after being stressed with I_{max} (U_p)	< 600 V
Weight	21 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364340015
PU	1 pc(s)

*) For more detailed information, please visit 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.