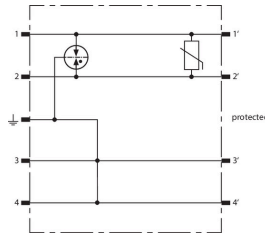


BXT M2 BD HC5A 24 (920 296)

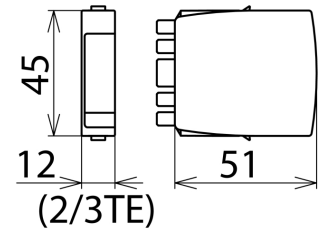
- Optimal protection for one pair
- For d.c. signal circuits up to a nominal current of 5 A
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_A -2$ and higher



Figure without obligation



Basic circuit diagram BXT M2 BD HC5A 24



Dimension drawing BXT M2 BD HC5A 24

Space-saving combined arrester module for protecting one twin wire of floating, symmetric interfaces. This module is adapted to interfaces with direct currents up to 5A, 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 1 PI |
| 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) |
| 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 |
| 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 | 85363010 |
| GTIN | 4013364340015 |
| PU | 1 Stk |

^{*)}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.