

## DEHN LIGHTNING & SURGE PROTECTION FOR DC SIGNALS AND DATA LINES

BLITZDUCTOR, DEHNrapid, DEHNpatch,  
DEHNgate

920225

BLITZDUCTOR XT BXT ML2 BE S 48 combined  
arrestor module with LifeCheck,

- Protection devices for analogue signals
- Data network in line protection
- DC power protection
- Ethernet and PoE protection
- Ex-rated Versions



### PRODUCT DESCRIPTION

The Blitzductor connect compact series, such as the BCO CL2 B-180, are ultra-slim surge arresters (just 6 mm wide) designed to protect up to two single-line circuits (e.g., shielded data or equipotential bonding lines). They feature tool-free push-in connections for fast installation, built-in LifeCheck and visual status LEDs, and optional remote signalling ensuring maintenance teams always know whether the unit is operational. These Type 1 SPDs meet EN/IEC 61643-21 and 22 standards, support impulse categories C2, C3, B2, and D1, and handle continuous operating voltages up to 180 V DC/127 V AC. In the event of surges, they can divert up to 5 kA (8/20  $\mu$ s) per line, 10 kA total, and lightning impulses up to 1.5 kA per line (3 kA total).

These surge arresters safeguard sensitive control, I/O, or communication lines in industrial and automation environments, particularly where space is limited and system uptime is critical. Their vibration- and shock-resistant polyamide housing and approvals for intrinsically safe (ATEX/IECEx) zones make them ideal for harsh or hazardous sites. Other versions in the series protect balanced or high-frequency pairs, DC supplies, or intrinsically safe circuits—ensuring tailored protection across measurement, fieldbuses, PoE links, or unbalanced analog cabling. Remote-monitor integration means fault status can be centrally tracked, minimizing downtime and maintenance costs.

## TECHNICAL DATA

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Earthing arrangement	BXT BAS / BSP BAS 4 base part
Nominal voltage	48V

### DIMENSIONS

Length	51 mm
Width	12 mm
Height	45 mm

### ADDITIONAL DATA

Approvals	CSA, ATEX, IECEx, SIL
Tariff code	85363010

<b>Weight</b>	0.021 kg
<b>Max Continuous Operating Voltage (AC)</b>	38.1 V
<b>Max Continuous Operating Voltage (DC)</b>	54 V
<b>SPD Class</b>	Type 1
<b>Test standard</b>	IEC 61643-21 / EN 61643-21
<b>SIL</b>	Up to SIL3
<b>IP class</b>	IP20