

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

BLITZDUCTOR, DEHNrapid, DEHNpatch, DEHNgate

927242

BLITZDUCTORconnect ML2 BD 12, Modular, pluggable combined arrester for protecting thermocouple and PT100 type signals.

- 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	35mm DIN rails
Nominal voltage	12 V

### DIMENSIONS

Length	76.4 mm
Width	6 mm
Height	89.7 mm
Number of modules	1

### CONNECTION DATA

Cross section single wire from	0.2 mm <sup>2</sup>
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Cross section single wire to	2.5 mm <sup>2</sup>
Connection type	Push-in

### ADDITIONAL DATA

Approvals	CSA, ATEX, IECEx, CCC, SIL
Tariff code	85363010
Weight	0.034 kg

