

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

BLITZDUCTOR, DEHNrapid, DEHNpatch, DEHNgate

927284

BLITZDUCTORconnect ML2 BE Ex 24, Modular, pluggable combined arrester for protecting digital and analogue PLC IO signals in Ex/IS environment

- 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

### TECHNICAL DATA

Earthing arrangement	35mm DIN rails
Nominal voltage	24 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>
--------------------------------	---------------------

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

### ADDITIONAL DATA

Approvals	ATEX, IECEX, CCC, SIL
Tariff code	85363010
Weight	0.035 kg

