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DEHN LIGHTNING & SURGE PROTECTION FOR DC SIGNALS AND DATA LINES

BLITZDUCTOR, DEHNrapid, DEHNpatch, DEHNgate

927988
BLITZDUCTORconnect CL2 E 24, Compact, single-stage surge protection with powerful diodes for protecting 24V DC power lines up to 10A



- 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 µs) 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	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	2.5 mm²

Cross section single wire to	0.2 mm²
Connection type	Push-in

ADDITIONAL DATA

Approvals	SIL
Tariff code	85363010
Weight	0.032 kg

Max Continuous Operating Voltage (AC)	23 V
Max Continuous Operating Voltage (DC)	33 V
SPD Class	Type 3
Test standard	IEC 61643-21 / EN 61643-2
SIL	Up to SIL3
IP class	IP20





