

3.3 kV Longwall DCB

Ampcontrol designs and manufactures a range of 3.3kV DCBs to suit longwall mining applications.

Ampcontrol's 3.3kV Longwall DCB product range includes up to 12 outlets and is offered in a flameproof enclosure and built to customer specifications. The DCB is an integral component of a complete Longwall Electrical System, providing distribution and protection of all 3.3kV circuits on the longwall.

The current range includes a standard skid/BSL mounting arrangement, low profile configurations for mounting on top of the BSL and monorail mounting options.

Available in single, dual and triple incoming supplies to meet the large power demand of the modern longwall.

Each Longwall DCB is customised to meet specific mine site communication requirements and can include PLC based control systems, HMI interface capabilities and SCADA packages. Customer required functionality including safety rated remote (SIL) isolation and earthing systems can be incorporated into the control and HMI systems to ensure safe and reliable operation from behind closed doors. Sequenced start/stop of the longwall system is provided through interface with machine recognition on outlets.

The 3.3kV power distribution outlets are provided with protection by our integrated protection relays. This ensures the DCB generally meets the electrical protection requirements of AS4871.2012.

Each Longwall DCB upon completion follows through a process of Factory Acceptance Testing, Compatibility Testing (where necessary) and Commissioning to ensure operational status on delivery. Manuals including flameproof dossier and drawings are provided and options are available for ongoing support for each product including Lifecycle Management.

Features

- + Explosion proof
- + Compliant to all Australian and state legislative requirements
- + Low profile options available
- + Monorail mounting options available
- + Standard mounting/skids available
- + Additional mechanical protection available
- + Ampcontrol outlets provided with machine recognition
- + Communication options including fibre optic/ethernet connectivity
- + SIL rated remote isolation

Product Detail

- Up to 12 outlets
- All outlets can be the same configuration, making all outlets universal
- Sequenced start/stop control system

