

ENGINEERING BULLETIN

Ref Document No.	EB17007	Issue No.	1
Subject	12VDC Flameproof Alternator DCBR V3.00 Card Update		
Release Date	21 st July 2017		

Purpose

- Advise Mining Repairs 12VDC Flameproof Alternator owners and operators of an available upgrade of the voltage regulating DCBR card.

Applicability

- All installations using a Mining Repairs alternator 12 Volt applications

Information

PPK has installed, tested and assessed a new revision of the regulating DCBR card (DCBR V3.00) for installation in Mining Repairs flameproof alternators.

PPK has measured a maximum peak load dump of <24V for an alternator installed with DCBR V3.00.

PPK has assessed the functional impact, temperature rise and volumetric changes internal to the alternator with the new DCBR card installed. The installation of the DCBR V3.00 has been review with respect to the Certificate of Conformity (IECEx ITA 06.0041X) applicable certification drawings and pertaining conditions.

The DCBR V3.00 card will now be installed in all new or overhauled 12VDC Mining Repairs alternators and is available for retrofit.

A new user document has been created and will be supplied with the device.

Engineering change notice and installation guide can also be provided upon request with a purchased new or overhauled alternator assembly or DCBR card.

Recommendations

PPK Mining Repairs Alternators can:

- Supply service exchange Alternators installed with the DCBR V3.00, or
- Supply DCBR V3.00 cards for installation by appropriately trained and authorised third party suppliers/personnel (warranty conditions apply - QA-053), or
- Overhaul your Mining Repairs Alternator and install the DCBR V3.00.

PPK Mining Repairs recommend if upgrading DCBR cards without completing a full alternator overhaul, that owners and operators review the time elapsed since last overhaul to determine the suitability for installation and consider the risk of bearing failure where usage will exceed 5000 hours.

Contact Mining Repairs for pricing and availability:

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