DOES THE ACS800 MEET MSHA STANDARDS?

Description:

Customers, OEM's and System Integrators who install equipment in mines ask the question if ABB drives have been tested to meet certain MSHA standards.

ABB Drives and meeting MSHA Standards:

MSHA stands for Mine Safety and Health Administration and its purpose is to prevent death, disease, and injury from mining and to promote safe workplaces for miners.

ABB industrial drives are designed for industrial applications, especially for applications in process industries such as the converting, pulp & paper, metals, mining, cement, power, chemical, and oil & gas industries. ABB industrial drives are highly flexible AC drives that can be configured to meet the precise needs of industrial applications. These drives cover a wide range of powers and voltages, including industrial voltages up to 690 V.

ABB industrial drives are designed with current ratings to be used in industrial environments for applications requiring high overload. The heart of the drive is DTC, Direct Torque Control, which is a high performance motor control that provides high starting torques and accurate speed control. The robust enclosures and cabinets, with a wide range of enclosure classes, as well as power terminals, are designed for harsh environments.

Because of this robust mechanical design and high performance motor control, the ACS800 is an optimal choice for mining applications. However, the ACS800 is not designed or tested to any specific MSHA standard. This does not mean that the ACS800 cannot be used in these applications that require specific MSHA approvals. The responsibility for meeting any specific MSHA standard falls on the customer, OEM or system integrator who is installing the drives or equipment in the mine. ABB will provide support and recommendations for general installation practices as needed but does not provide specifics on MSHA standards and what is required to meet them. Below is a list of some of the standards the ACS800 does meet.

- UL & cUL (508A or 508C) and CSA C22.2 NO.14-95, C-Tick, GOST R
- NEC 430.126(A)(2) Motor Overtemperature Protection
- Quality assurance system ISO 9001 and Environmental system ISO 14001
- CE (Available)
- Machinery Directive 98/37/EC
Documents or other reference material:

For more information on the ACS800 refer the hardware manuals visit the ABB website or for specifics on MSHA and their responsibility visit the website below.

http://www.abb.us/drives

http://www.msha.gov/

Corrective Actions:

NA