

Press Release

Ignition protection type Ex n electrical drives

Menzel Elektromotoren supplies Ex n (non-sparking) frequency inverters and electric motors for use in zones 2 and 22 with hazardous gas and dust atmospheres. Low, medium, and high-voltage motors for power ratings up to 5,000 kW and voltages up to 13.8 kV are custom-tailored. They are shipped with an EU Declaration of Conformity according to ATEX Directive 2014/34/EU. For the long-established company with over 90 years of experience in electrical drive technology and industry-specific motor manufacturing, gas and dust explosion protection for hazardous area systems is a routine issue. Two current projects include orders for several drives with Ex n ignition protection. In one of these cases, Menzel recently delivered five 600 kW low-voltage motors for inverter operation to a site in Algeria. These units power multiphase gas and oil pumps at ambient temperatures up to 55 °C. In the other project, Menzel designed a slipring motor for a coal mill in Senegal as a superior alternative to squirrel-cage motor. The slipring motor has a lower inrush current and supplies higher starting torques. The plant operator has now placed a follow-up order for four identical mill drives for zone 22. The IP65-rated motors prevent any ingress of coal dust and keep particles from settling on slip rings and brushes. In addition, these systems will be supplied in slightly oversized housings to ensure that the operating temperature will not exceed 125 °C.



Illustration: Menzel supplies bespoke explosion-proof drives

Illustrations: ex_n_aiiict3_low-voltage_motors Char.s: 1,452

File name: 201804033_pm_ex_n_electrical_drives_en Date: 05-02-2018

About Menzel Elektromotoren

Based in Berlin, Menzel Elektromotoren GmbH has been manufacturing and distributing electric motors for more than 90 years. The medium-sized company specializes in the delivery of large electric motors, including special models, within the shortest possible time. The product range comprises high and low voltage motors, DC motors, transformers, and frequency inverters. Services include motor production and short-term adaptation of stocked motors to application-specific requirements. In order to ensure fast deliveries to the customer at all times, the company maintains a very extensive inventory including more than 20,000 motors with a maximum performance of up to 15,000 kW. Qualified engineering, experienced staff, and state-of-the-art production and testing facilities help Menzel provide excellent reliability. Menzel operates subsidiaries in the UK, France, Italy, Spain, and Sweden, and cooperates with numerous partners worldwide.

Contact: Menzel Elektromotoren GmbH

Mathis Menzel

Neues Ufer 19-25
10553 Berlin
Germany

Tel.: +49 . 30 . 349 922 - 0
Fax: +49 . 30 . 349 922 - 999
Email: info@menzel-motors.com
WWW: www.menzel-motors.com



gji die Presse-Agentur GmbH
Immanuelkirchstr. 12
10405 Berlin
Germany
Tel.: +49 . 30 . 538 965 - 0
Fax: +49 . 30 . 538 965 - 29
Email: info@gji.de
WWW: www.gji.de