U.S. Department of Labor

Mine Safety and Health Administration
Approval and Certification Center
765 Technology Drive
Triadelphia, WV 26059

Intrinsic Safety Evaluation No. 18-ISA250002-0
A&CC PAR No. 118694

April 10, 2025

Taciak AG
Attention: Ute Kalpein
Kattenbeck 20
59394 Nordkirchen, Germany

Dear Ute Kalpein:

The review of your application dated January 10, 2024, Company Code No. 000000, for the Model WMG 11.1 and WMG 12 Transducer Reed Rods, is complete.

The design of these Model WMG 11.1 and WMG 12 Transducer Reed Rods meets the applicable requirements of Title 30 Code of Federal Regulations, Part 18.68 (30 CFR Part 18.68). We assign Intrinsic Safety Evaluation No. 18-ISA250002-0 to these designs.

The following apply to Intrinsic Safety Evaluation No. 18-ISA250002-0:

1. You must build each Model WMG 11.1 and WMG 12 Transducer Reed Rods bearing this Intrinsic Safety Evaluation number according to the drawings and specifications on file at the Mine Safety and Health Administration (MSHA) Approval and Certification Center. A list of these drawings and specifications is enclosed.

2. The Model WMG 11.1 and WMG 12 Transducer Reed Rods shall be conspicuously labeled to show your company's name, model or type number, and the assigned MSHA Intrinsic Safety Evaluation number.

3. You are not permitted to make changes to the design of the Model WMG 11.1 and WMG 12 Transducer Reed Rods without our approval.

4. We may require you to make changes to the design, or to modify the Model WMG 11.1 and WMG 12 Transducer Reed Rods in the field, in the interest of safety.

5. We have the right to revoke this Intrinsic Safety Evaluation, for cause, at any time.

6. This letter does not authorize you to advertise the Model WMG 11.1 and WMG 12 Transducer Reed Rods as permissible for use in underground gassy mines or as being approved or certified by MSHA. This Model WMG 11.1 and WMG 12 Transducer Reed Rods must be evaluated and accepted as part of an MSHA approved permissible system or machine.

7. The following requirements apply to these Model WMG 11.1 and WMG 12 Transducer Reed Rods:

    a. Each application or connection specifying these Model WMG 11.1 and 12 Transducer Reed Rods must be evaluated by MSHA to verify intrinsic safety compatibility.

    b. The system power source feeding the Model WMG 11.1 and 12 Transducer Reed Rods must be an MSHA-evaluated Intrinsically Safe power supply with an open-circuit output voltage no greater than 13.6 volts.

    c. Each installation shall preclude intermingling between the intrinsically safe circuits and all other circuits, wires, and cables.

    d. All cabling utilized with these Model WMG 11.1 and 12 Transducer Reed Rods must be MSHA accepted as flame resistant or housed inside MSHA-accepted flame-resistant conduit.

You are required to inform your customers, distributors, and end users of these requirements.

You will receive an invoice for the cost to process your application.

If you have any comments or questions relative to this letter, please contact MSHA at 304-547-0400 or by email at zzMSHA-TecSup-ACC-ESD@dol.gov.

Sincerely,

MATTHEW WHARRY

Digitally signed by MATTHEW WHARRY
Date: 2025.04.10 15:44:19 -04'00'

Matthew Wharry
Acting Chief, Approval and Certification Center

Enclosure: Data Sheet 6