



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx FTZU 14.0027U Issue No: 0 Certificate history:
Status: Current Page 1 of 4 Issue No. 0 (2014-12-16)
Date of Issue: 2014-12-16
Applicant: TRS s.r.o.
Na Spravedlnosti 1533
530 02 Pardubice
Czech Republic
Electrical Apparatus: Remote Control Receiver DOS 2000 P 16Ex
Optional accessory:
Type of Protection: flameproof enclosure, intrinsic safety
Marking: Ex d [ib] I Mb

Approved for issue on behalf of the IECEx
Certification Body:

Dipl.Ing. Lukáš Martinák

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

2014 - 12 - 16



1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Fyzikálně technický zkušební ústav
(Physical -Technical Testing Institute)
Pikartská 7
71607 Ostrava - Radvanice
Czech Republic





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Manufacturer: TRS s.r.o.
Na Spravedlnosti 1533
530 02 Pardubice
Czech Republic

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[CZ/FTZU/ExTR14.0027/00](#)

Quality Assessment Report:

[CZ/FTZU/QAR14.0005/00](#)





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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Remote Control Receiver type DOS 2000 P16Ex is designed to wireless control of machines in mining area. It is a intrinsically safe associated apparatus with the front flange, which is designed as Ex component protected by flameproof enclosure "d". The receiver is intended for installation into cylindrical hole in wall of flameproof enclosure. There is a separately certified sight glass built in a front wall of the receiver. The external aerial circuit is of the intrinsically safe construction "ib". The aerial is connected via the special bushing.

Technical data:

Supply: 24 V \pm 10% AC/DC

Power input: 4.8 W

CONDITIONS OF CERTIFICATION: NO





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EQUIPMENT (continued):

Schedule of Limitation for Ex component:

- 1) Permitted service temperature range: -10°C to $+70^{\circ}\text{C}$.
- 2) The apparatus can be used in enclosure without any limitation of their volume.
- 3) The pressure endurance was verified by type test with static overpressure 2.0 MPa (20 bar).
- 4) The apparatus must be fastened to an external flameproof enclosure with screws M10 - ISO 4762, having yield stress ≥ 640 MPa.
- 5) Rated ambient temperature range for associated apparatus at the receiver: $-10^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.

