



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 CSA 15.0034X

Issue No: 1

Certificate history:

Issue No. 1 (2017-10-26)

Issue No. 0 (2015-10-22)

Status: **Current**

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Date of Issue: **2017-10-26**

Applicant: **Tescom Corporation**
12616 Industrial Boulevard
Elk River, MN 55330
United States of America

Equipment: **Model ER5050 Electropneumatic Controller**

Optional accessory:

Type of Protection: **Ex db Ex tb**

Marking:

Ex db IIB+H₂ T5 Gb

Ex tb IIIC T100°C Db IP6x

Tamb: -20°C ≤ Ta ≤ +60°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Dorin Stochitou

Position:

Technical Advisor

*Signature:
(for printed version)*

Date:

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:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada





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Manufacturer: **Tescom Corporation**
12616 Industrial Boulevard
Elk River, MN 55330
United States of America

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 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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:

[CA/CSA/ExTR15.0042/00](#) [CA/CSA/ExTR15.0042/01](#)

Quality Assessment Report:

[NL/DEK/QAR12.0027/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Electro-pneumatic Controller Model ER5050 is a cylindrical enclosure with a square base comprised of either Stainless Steel or Aluminum material. The cylindrical portion of the enclosure is a threaded cover that threads onto the base and houses the electronics. The base houses sintered elements (cup and plug shaped arresters) secured by means of snap rings, along with three plugs threaded into the base. The base is the pneumatic portion of the flameproof enclosure.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Routine tests: The Equipment at the conclusion of manufacture shall be subjected to Overpressure Tests on the process containment system of 165 psi for 1 minute.
2. It is the responsibility of the manufacturer to continually monitor the status of the components associated with this equipment, and the manufacturer shall inform CSA of any modifications of the equipment that may impinge upon the flame proof design of the product.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Minor drawing modifications of administrative nature or involving changes to the design that do not affect the aspects of the product that are relevant to explosion safety.