



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEX KEM 10.0063X** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 4 Issue 3 (2014-05-05)
Date of Issue: 2021-07-06 Issue 2 (2014-03-07)
Applicant: **PHOENIX CONTACT GmbH & Co.** Issue 1 (2011-03-07)
Flachsmarktstraße 8 Issue 0 (2010-12-31)
Germany
Equipment: **Surge Voltage Protection Unit, Type PLUGTRAB PT 2xEX(I)-24DC, Type PLUGTRAB PT 4-EX(I)-24DC, Type
TERMITRAB TT-ST-M-EX(I)-24DC, Type TERMITRAB TT-EX(I)-24DC and Type TERMITRAB TT-EX(I)-M-24DC**
Optional accessory:
Type of Protection: **Ex ia**
Marking: **Ex ia IIC T4 ... T6 Ga**
Ex ia IIIC T85 °C...T135 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

R. Schuller

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-07-06

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.
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Certificate issued by:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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Manufacturer: **PHOENIX CONTACT GmbH & Co.**
Flachmarktstraße 8
32825 Blomberg
Germany

Additional
manufacturing
locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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:

[NL/KEM/ExTR10.0050/04](#)

Quality Assessment Report:

[NL/DEK/QAR11.0009/07](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Surge Voltage Protection Units, Type PLUGTRAB PT 2xEX(I)-24DC, PLUGTRAB PT 4-EX(I)-24DC, TERMITRAB TT-ST-M-EX(I)-24DC, TERMITRAB TT-EX(I)-24DC and TERMITRAB TT-EX(I)-M-24DC, for rail mounting, serve to limit eventual surge voltages in intrinsically safe circuits.

The PLUGTRABs consist out of a base part, for rail mounting, and a plug-in part.
The base-part and plug-in-part are provided with a (for each Unit Model) unique mechanical key.

The Surge Voltage Protection Unit PLUGTRAB PT 2xEX(I)-24DC consist of the following components:
one plug-in module type PT 2xEX(I)-24DC-ST
one basic unit type PT 2xEX(I)-BE

The Surge Voltage Protection Unit PLUGTRAB PT 4-EX(I)-24DC consist of the following components:
one plug-in module type PT 4-EX(I)-24DC-ST
one basic unit type PT 4-EX(I)-BE

SPECIFIC CONDITIONS OF USE: YES as shown below:

The insulation between the intrinsically safe circuits and earth is not capable of withstanding a 500 Vac test voltage, however this is only caused by the 600 V (TERMITRAB) or 700 V (PLUGTRAB) gas discharge tubes.

The relation between temperature class, maximum surface temperature, ambient temperature, P_i and I_i is, as mentioned in the Annex 1 to NL/KEM/ExTR10.0050/04.



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Equipment (continued):

The open side of TERMITRAB TT-ST-M-EX(I)-24DC is closed by cover type TT-D-ST-BU or by a neighboring unit. With that, a degree of protection IP20 is obtained.

Several units for different intrinsically safe circuits may be mounted next to each other.

The earth connection can be made via the mounting foot to a normalized metal mounting rail and via a terminal.

Most units (see attachments) conform to the requirements for a FISCO Field Device, for temperature class T4.

The Annex 1 to NL/KEM/ExTR10.0050/04 provides the thermal and electrical data.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Assessment to the latest editions of the standards.

Change in Ex marking for dust (Da -> Db).

Removal of IEC 60079-26.

Annex:

[Annex 1 to NL.KEM.ExTR10.0050.04.pdf](#)