



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 EPS 14.0040X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 Issue 2 (2020-03-31)
Date of Issue: 2023-03-09 Issue 1 (2018-01-22)
Issue 0 (2014-09-03)
Applicant: **Kiepe Electric GmbH**
Kiepe-Platz 1
40599 Düsseldorf
Germany
Equipment: **pull rope switch, type NTS EX, SEG EX, HEN EX ; belt misalignment switch, type SLS EX, SEL EX, HES EX;
limit switch, type SLR EX, REL EX, HER EX**
Optional accessory:
Type of Protection: **tb, nR**
Marking: Ex tb IIIC T85 °C Db IP67
Ex nR IIC T6 Gc*
NTS EX, SLS EX und SLR EX: -40 °C to +60 °C
SEG EX, SEL EX und REL EX, HEN EX, HES EX, HER EX: -40 °C to + 70 °C
*(only models NTS EX, SLS EX and SLR EX are suitable for gas areas)

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



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 www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Issue No: 3

Manufacturer: **Kiepe Electric GmbH**
Kiepe-Platz 1
40599 Düsseldorf
Germany

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 60079-15:2017 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
Edition:5.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

[DE/EPS/ExTR14.0042/03](#)

Quality Assessment Report:

[DE/EPS/QAR14.0013/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The pull-rope emergency switch NTS EX (plastic enclosure) and SEG EX, HEN EX (metallic enclosure) are used in emergency-stop-circuits of belt conveyors.

The belt misalignment switch SLS EX (plastic enclosure) and SEL EX, HES EX (metallic enclosure) are used to monitor the misalignment of belt conveyors.

Due to the present construction the misalignment switch is also used as a position switch for monitoring positions, which is then labelled as SLR EX (plastic enclosure) and REL EX, HER EX (metallic enclosure).

In order to operate switches within a Dupline bus system, switches which are exclusively intended for hazardous dust areas may be additionally equipped with DuplineSafe (Safety) Input Modules.

Electrical data:

NTS EX, SEG EX, HEN EX: 230 Vac / 6 A or 110 Vdc / 1.1 A

SLS EX, SLR EX, SEL EX, REL EX, HES EX, HER EX: 230 Vac / 1.5 A or 60 Vdc / 0.5 A or 24 Vdc / 2.0 A

Equipment that includes Dupline Modules:

Dupline: 8.2 V / 1.0 - 70 mA

SPECIFIC CONDITIONS OF USE: YES as shown below:

Ambient temperature range:

NTS EX, SLS EX and SLR EX: -40°C to +60°C

SEG EX, SEL EX and REL EX, HEN EX, HES EX, HER EX: -40°C to + 70°C

Only the plastic enclosures NTS EX, SLS EX and SLR EX are allowed to be used in gas-hazardous areas of zone 2, gas group IIC. In case of highly charge generating processes being close to nR devices, the NTS-EX is restricted for use in gas group IIA. The SLS-EX/SLR EX is not allowed to be used in such areas.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Addition of Gavazzi Dupline modules for equipment intended for use in hazardous dust areas only.