



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 EPS 14.0040X Issue No: 0 Certificate history:
Issue No. 0 (2014-09-03)

Status: **Current** Page 1 of 3

Date of Issue: **2014-09-03**

Applicant: **Vossloh Kiepe GmbH**
Kiepe-Platz 1
40599 Düsseldorf
Germany

Electrical Apparatus: **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: **t or nR**

Marking:
II 2D Ex t IIIC T85°C Db or
II 3G Ex nR IIA/IIC T6 Gc

Approved for issue on behalf of the IECEx
Certification Body:

D. Zitzmann

Position:

Manager Certification

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:

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





IECEx Certificate of Conformity

Certificate No: IECEx EPS 14.0040X Issue No: 0
Date of Issue: 2014-09-03 Page 2 of 3
Manufacturer: **Vossloh Kiepe GmbH**
Kiepe-Platz 1
40599 Düsseldorf
Germany

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 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"
IEC 60079-31 : 2008 Edition:1	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:

[DE/EPS/ExTR14.0042/00](#)

Quality Assessment Report:

[DE/EPS/QAR14.0013/00](#)



IECEX Certificate of Conformity

Certificate No: IECEx EPS 14.0040X

Issue No: 0

Date of Issue: 2014-09-03

Page 3 of 3

Schedule

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).

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature range:

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 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.