



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 ZLM 14.0002 Issue No: 0 Certificate history:
Issue No. 0 (2014-02-11)

Status: **Current** Page 1 of 4

Date of Issue: **2014-02-11**

Applicant: **WEKA AG**
Schuerlistrasse 8
8344 Baeretswil
Switzerland

Electrical Apparatus: **Magnetic switch type 31130-ND/* and type 31160-ND/***
Optional accessory:

Type of Protection: **Flameproof enclosure, dust ignition protection by enclosure**

Marking:
Ex d IIC T6 Gb
Ex tb IIIC T85°C Db

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

Dipl.-Ing. Harald Zelm

Position:

Head of Certification Body

*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:

ZELM Explosionsschutz GmbH
Siekgraben 56
D-38124 Braunschweig
Germany



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Manufacturer: **WEKA AG**
Schuerlistrasse 8
8344 Baeretswil
Switzerland

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 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-1 : 2007-04 Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
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/ZLM/ExTR14.0002/00](#)

Quality Assessment Report:

[DE/ZLM/QAR09.0001/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The magnetic switches type 31130-ND/* and type 31160-ND/* are for the generation of a signal at a level change of media. Therefore the switch will be used together with a visual level indicator.

The magnetic switches are intended for use in hazardous areas. The type 31130-ND/* uses an on/off switch, the type 31160-ND/* uses a changeover switch. The star (*) indicates the length in meter of the permanently connected cable.

Permissible ambient temperature range: -20°C...+80°C

Electrical data:

Switching capacity: rated values:

Type 31130-ND/*: U = 250 V, I = 1.3 A, S = 80 VA, P = 80 W

Type 31160-ND/*: U = 230 V, I = 1.0 A, S = 60 VA, P = 60 W

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT (continued):

References:

The instruction manual has to be observed.

At medium temperatures of above 85°C the temperature class has to be adapted correspondingly to the instruction manual.