



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 IBE 21.0019X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 2	Issue 1 (2022-06-29) Issue 0 (2021-12-17)
Date of Issue:	2024-03-27		
Applicant:	Stöcklin Logistik AG Wahlenstraße 161 4242 Laufen Switzerland		
Equipment:	Electric pedestrian pallet truck type EX*nn		
Optional accessory:			
Type of Protection:	flameproof enclosure, increased safety, intrinsic safety and protection by enclosure		
Marking:	Ex db eb [ia] IIB+H2 T4 Gb Ex tb IIB T135 °C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Dr.-Ing. Peter Cimalla

Position:

Deputy Head of department Certification Body

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:

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg
Germany





IECEx Certificate of Conformity

Certificate No.: **IECEx IBE 21.0019X**

Page 2 of 4

Date of issue: 2024-03-27

Issue No: 2

Manufacturer: **Stöcklin Logistik AG**
Wahlenstraße 161
4242 Laufen
Switzerland

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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 Reports:

[DE/IBE/ExTR20.0008/00](#)

[DE/IBE/ExTR20.0008/01](#)

[DE/IBE/ExTR20.0008/02](#)

Quality Assessment Report:

[DE/EPS/QAR14.0002/09](#)



IECEx Certificate of Conformity

Certificate No.: **IECEx IBE 21.0019X**

Page 3 of 4

Date of issue: 2024-03-27

Issue No: 2

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Electric Pedestrian Pallet Truck Type EX*nn is used for lifting and transporting loads with an electric motor drive and hydraulic lift cylinders. The control is located partially within a flameproof enclosure in the vehicle, or as intrinsically safe module in the handle lever head. The device is powered by a rechargeable battery which can only be charged outside the hazardous area. The device is intended for use in hazardous areas requiring EPL Gb and Db equipment.

Technical data

- Ambient temperature range: -20 °C to +40 °C
- max. Speed: 6 km / h

Type overview

EXP nn	only Low Level
EXS nn	only hydraulic mast
EXI nn	hydraulic mast and Low level coupled
EXD nn	hydraulic mast and truck Low, autonomous
EXF nn	hydraulic mast, straddle
EXG nn	only hydraulic boom with counter weight
EXV nn	only hydraulic mast with forks feed

Lifting capacity: nn = 12, 16, 20, 25 x factor 100 kg

Electrical data

- Nominal capacity of the battery 375 Ah
- Nominal voltage 24 V

Separately certified ex-products used are mentioned in the Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Repairs of the flameproof joints must be made in compliance with the constructive specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 2 and 3 of IEC 60079-1.
- Screws for closing of flameproof enclosure shall provide a property class of at least 8.8.
- Charging of the device and the operation of the battery connector are only permitted outside the potentially explosive area.
- Clean alarm sounder and beacon regularly to prevent dust build-up with a damp or anti-static cloth only.



IECEx Certificate of Conformity

Certificate No.: **IECEx IBE 21.0019X**

Page 4 of 4

Date of issue: 2024-03-27

Issue No: 2

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Inclusion of a new device: Alarm sounder and beacon range IS-SB-02-XXXX and safety barrier MTL7728+.

Annex:

[Annex_IBE21.0019X_02.pdf](#)



IECEx Certificate of Conformity - Annex



Certificate No: IECEx IBE 21.0019X

Issue No: 2

Date of Issue: 2024-03-27

Page 1 of 3

Name	Installation point	Applicant / Type / Marking	Approbation IEC	Ambient temperature
Three-Phase Asynchronous Motor type DKD 90.4-10	inside	EW HOF Antriebe Type DKD 90.4-10 Ex db IIC T4 Gb Ex tb IIIC T130 °C Db	IECEx IBE 21.0009X IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-31:2013 Ed. 2	-20 °C ... 40 °C
Flameproof enclosure	inside	Stöcklin Logistik AG Type 842 902-00 Ex db IIB+H2 Gb Ex tb IIIC Db IP6X	IECEx EPS 20.0059U IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-31:2013 Ed. 2	-20 °C ... 40 °C
Traction Batteries	inside	Hawker GmbH Up to 68.8 kWh Ex eb I Mb	IECEx SIR 07.0065X IEC 60079-0:2011 Ed. 6.0 IEC 60079-7:2015 Ed. 5.0	-20 °C ... 40 °C
Battery plug	inside	REMA Lipprandt Type DRE 250 Ex Ex db eb IIC Gb Ex tb IIIC Db	IECEx EPS 19.0080U IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-7:2017 Ed. 5.1	-20 °C ... 40 °C
Junction Box	inside	BARTEC Type 07-5103 Ex eb ia/ib IIA, IIB, IIC T6, T5 Gb Ex tb III C T80 °C, T95 °C Db	IECEx PTB 09.0009X IEC 60079-0:2017 Ed. 7.0 IEC 60079-7:2017 Ed. 5.1 IEC 60079-11:2011 Ed. 6.0 IEC 60079-31:2013 Ed. 2	-20 °C ... 40 °C
Push button for panel mounting	on the chassis	R. STAHL Type 8003/1. Ex de IIC T6 Ex tD A21 IP65 T80 °C	IECEx PTB 06.0065X IEC 60079-0:2004 Ed. 4.0 IEC 60079-1:2001 Ed. 4 IEC 60079-7:2001 Ed. 3 IEC 61241-0:2004 Ed. 1 IEC 61241-1:2004 Ed. 1	-55 °C ... 60 °C



IECEx Certificate of Conformity - Annex



Certificate No: IECEx IBE 21.0019X

Issue No: 2

Date of Issue: 2024-03-27

Page 2 of 3

Push button for panel mounting	on the chassis	R. STAHL Type 8013 Ex dem IIC T6 resp. Ex dm ia IIC T6 Ex tD A21 IP65 T 80 °C	IECEx PTB 07.0010X IEC 60079-0:2004 Ed. 4.0 IEC 60079-1:2001 Ed. 4 IEC 60079-7:2006 Ed. 4 IEC 60079-11:1999 Ed. 4 IEC 60079-18:1992 Ed. 1 IEC 61241-0:2004 Ed. 1 IEC 61241-1:2004 Ed. 1	-30 °C ... 60 °C
Actuators	on the case	Appleton Group - ATX Type TCD Ex db IIC Gb Ex tb IIIC Db	IECEx LCI 10.0022U IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-31:2013 Ed. 2	-40 °C ... 105 °C
Inductive proximity switches	in the chassis	ifm electronic GmbH Type NG500A Ex ia IIC T6 Ga Ex ia IIIC T200 90 °C Da	IECEx BVS 06.0003X IEC 60079-0:2017 Ed. 7.0 IEC 60079-11:2011 Ed. 6.0 IEC 60079-1: 2014 Ed. 7.0	-20 °C ... 70 °C
Cable glands	enclosure	Hummel AG Type HSK-M-Ex-d Ex db IIC Gb Ex ta IIIC Da	IECEx KEM 07.0013X IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-31:2022 Ed. 3.0	-60 °C ..105 °C
Solenoid	enclosure	Schienle Magnettechnik GmbH Type EX22 Ex db IIB+H2 T4 Gb Ex tb IIIC T135 °C Db	IECEx FMG 18.0007X IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-31:2022 Ed. 3.0	-40 °C ... 55 °C
Blanking Element	enclosure	Hummel AG Type V Ex db eb IIC Gb Ex ta IIIC Da	IECEx KEM 07.0012 IEC 60079-0:2017 Ed. 7.0 IEC 60079-1:2014 Ed. 7.0 IEC 60079-7:2015 Ed. 5.1 IEC 60079-31:2022 Ed. 3.0	-20 °C ... 40 °C



IECEx Certificate of Conformity - Annex



Certificate No: IECEx IBE 21.0019X

Issue No: 2

Date of Issue: 2024-03-27

Page 3 of 3

Thread adapter	enclosure	WISKA Hoppmann GmbH Typ EX-KRM Ex eb IIC Gb Ex tb III C Db	IECEx PTB 16.0026X IEC 60079-0:2017 Ed. 7.0 IEC 60079-7:2017 Ed. 5.1 IEC 60079-31:2013 Ed. 2	-20 °C ... 75 °C
Cable gland	enclosure	Hummel AG Type HSK-K-Ex-Active 1.292.****.**, HSK-K-Multi-Ex-Active 1.581.****.**, Ex eb IIC Gb Ex ta IIIC Da	IECEx BVS 14.0020X IEC 60079-0:2017 Ed. 7.0 IEC 60079-7:2015 Ed. 5.0 IEC 60079-31:2013 Ed. 2	-20 °C ... 85 °C
Cable gland	enclosure	R. STAHL Type 8161/*-M16 Ex eb IIC Gb Ex tb III C Db	IECEx PTB 14.0011X IEC 60079-0:2011 Ed. 6.0 IEC 60079-7:2015 Ed. 5.0 IEC 60079-31:2013 Ed. 2	-40 °C ... 75 °C
Safety Barrier	inside	Eaton Electric Limited Type MTL7728+ [Ex ia Ga] IIB [Ex ia Ga] IIC [Ex ia Da] IIIC	ECEX BAS 04.0025 IEC 60079-0:2017 Ed. 7.0 IEC 60079-11:2011 Ed. 6.0	-20 °C ... 60 °C
Alarm sounder and beacon range	outside	Moflash Signalling Limited Type IS-SB-02-XXXX Ex ia I Ma Ex ia IIC T5 Ga Ex ia IIIC T100 °C Da	IECEx EMT 17.0005X IEC 60079-0:2011 Ed. 6 IEC 60079-11:2011 Ed. 6	-40 °C ... 55 °C



IECEX Quality Assessment Report Summary

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

QAR Ref. No.: **DE/EPS/QAR14.0002/09** Page 1 of 1
QAR Free Ref. No.: **23TH0047_A1** Status: **Issued**
Details of change: **Renewal audit completed** Date of issue: **2023-10-23**
Location(s) audited: **Stöcklin Logistik AG** Valid until: **2026-07-08**
Wahlenstraße 161
Laufen 4242 Audit date: **2023-07-06**
Switzerland

Issuing ExCB: **EPS - Bureau Veritas Consumer Products Services Germany GmbH**

Manufacturer: **Stöcklin Logistik AG**
Wahlenstraße 161
Laufen 4242

Location of
Manufacturer: **Switzerland**

Product information: **Electrical and electronic products**

Type of protection: **d, e, i, tb**

Related QARs:

[DE/EPS/QAR14.0002/00](#)
[DE/EPS/QAR14.0002/03](#)
[DE/EPS/QAR14.0002/06](#)

[DE/EPS/QAR14.0002/01](#)
[DE/EPS/QAR14.0002/04](#)
[DE/EPS/QAR14.0002/07](#)

[DE/EPS/QAR14.0002/02](#)
[DE/EPS/QAR14.0002/05](#)
[DE/EPS/QAR14.0002/08](#)

Related Certificates (manual insertion)::

IECEX LCI 10.0022U
IECEX KEM 07.0013X

Related Certificates (automatic linking)::

[IECEX IBE 21.0019X issue: 2](#)

Related Certificates for
previous versions:

[IECEX EPS 20.0059U issue: 0](#)

[IECEX IBE 21.0019X issue: 0](#)

[IECEX IBE 21.0019X issue: 1](#)

Comments: