



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 ITA 14.0013X Issue No: 2 Certificate history:
Status: **Current** Page 1 of 4 Issue No. 2 (2015-07-08)
Date of Issue: **2015-07-08** Issue No. 1 (2014-10-17)
Applicant: **Weidmüller Interface GmbH & Co. KG** Issue No. 0 (2014-07-21)
Klingenbergstrasse 16
32758 Detmold
Germany
Electrical Apparatus: **Klippon Small-Control-Station (KCS) Range Enclosures**
Optional accessory:
Type of Protection: **Flameproof, Increased safety, Dust Ignition Protection by Enclosures**
Marking:
Ex de IIC T_{amb} Gb T_{amb} -55°C...+___°C.
Ex tb IIIC T_{amb} Db T_{amb} -55°C...+___°C.
Refer to Ratings Table in Annex for Ex Code, Temperature Rating and Temperature Class.

Approved for issue on behalf of the IECEx
Certification Body:

Ajay Maira

Position:

Certification Authority

Signature:
(for printed version)

Ajay Maira

Date:

2015-07-08

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:

TUV Rheinland Australia Pty. Ltd
1/30 Kennington Drive
Tomago NSW 2322
Australia





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Manufacturer: **Weidmüller Interface GmbH & Co. KG**
Klingenbergstrasse 16
32758 Detmold
Germany

Additional Manufacturing
location(s):

Wiedmuller Pty Ltd
43 Huntingwood Road,
Huntingwood NSW
Australia

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 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:

[AU/ITA/ExTR14.0032/01](#) [AU/ITA/ExTR15.0011/00](#)

Quality Assessment Report:

[AU/ITA/QAR07.0004/07](#) [NL/DEK/QAR12.0052/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Klippon Small-Control-Station (KCS) range enclosures are made of:

- Stainless steel (Klippon STB)
- Aluminium (Klippon K range); or
- Glass-fibre Reinforced Polyester (GRP)

They are populated with push button, lamps, switches, and potentiometers.

Refer to the Annex for further detail.

CONDITIONS OF CERTIFICATION: YES as shown below:

Refer to the Annex for Details



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Refer to the Annex for Details

Annex:

[IECEXITA14-0013X-2 Annexe.pdf](#)

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Annexe



Annexe for Certificate No.:	IECEX ITA 14.0013X	Issue No.:	02
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Description (continued from certificate):

The enclosures are populated with push button, lamps, switches, and potentiometers consisting of:

- Electrical elements (including lamps/switches and potentiometers) and
- Actuating elements (including push buttons, emergency stops and lamp covers)

The assembled small control stations are suitable for:

- Hazardous gas areas - protection class IIC Ex d e (increased safety and flameproof components); or
- Hazardous dust areas - protection class IIIC Ex tb (protection by enclosure)

Refer to AU/ITA/ExTR15.0011/00 for details regarding the component certificate assessments of components certified to older standards.

Temperature Ratings:

Ex Code	Minimum Wire Size	Current Rating	Maximum Ambient Temperature	T Rating	Cable Thermal Class
Ex d e IIC	1.5mm ²	10A	40°C	T6	70
			55°C	T5	90
		16A	40°C	T5	90
			55°C	T4	105
	2.5mm ²	16A	40°C	T6	70
			55°C	T5	90
Ex tb IIIC	1.5mm ²	10A	40°C	T80°C	70
			55°C	T85°C	90
		16A	40°C	T85°C	90
			55°C	T105°C	105
	2.5mm ²	16A	40°C	T80°C	70
			55°C	T100°C	90

IP Ratings:

The IP rating of the equipment will be the least protection rating for water and dust from all external components.

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Annexe



Annexe for Certificate No.:	IECEx ITA 14.0013X	Issue No.:	02
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Conditions of Certification pertaining to Issue 0 of this Certificate:

Conditions of Manufacture:

1. The manufacturer will ensure that the IP rating of the enclosure, all actuators and all cable glands or breathers will be at least IP65.
2. Only approved components shown in the ExTR or suitably certified breathers and cable glands to be used in the construction of the equipment.

Condition of Safe Use:

1. Refer to the table of temperature ratings for the minimum thermal class of the wiring required for the equipment.

Drawing list pertaining to Issue 0 of this Certificate:

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
KLIPPON CS K41 ...	3 58749		0C	2014-03-03
KLIPPON CS K ... AP	3 60173		00	2014-06-23
KLIPPON CS STB 1 ...	3 58751		0B	2014-03-03
KLIPPON CS STB ... AP	3 60171		00	2014-06-23
KLIPPON CS POK 121209	3 58756		0C	2014-03-03
KLIPPON CS POK ... AP	60172		00	2014-06-23
TPSD KCS IECEx	4 60157 (Sheet 00 of 01)		0D	2014-07-16
TPSD KCS IECEx	4 60157 (Sheet 01 of 01)		0D	2014-07-16
Notice to Installers	N/A		0.3	June 2014
Safety Documentation	N/A		0.1	July 2014

Variations permitted by Issue 1 of this certificate:

Updated the description to add reference to the component certificate assessment for components certified to older standards.

Conditions pertaining to Issue 1 of this certificate:

The conditions of certification are unchanged from Issue 0 of the certificate.

Drawings Associated with the Issue 1 of this Certificate:

The drawings of certification are unchanged from Issue 0 of the certificate.

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Annexe



Annexe for Certificate No.:	IECEX ITA 14.0013X	Issue No.:	02
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Variations permitted by Issue 2 of this certificate:

- Updated the certificate number for switch actuators from IECEx PTB 08.0037U to IECEx CML 14.0005U.
- Updated revisions of documents “Notice to Installers” and “Safety Documentation”.
- Extension of ambient temperature ranges down to -55°C.
- Updated Temperature Ratings Table
- Conditions of manufacture were updated to reflect minimum IP ratings specific to the explosive atmosphere Group.

Conditions pertaining to Issue 2 of this certificate:

Conditions of Manufacture:

1. The manufacturer will ensure that the IP rating of the enclosure, all actuators and all cable glands or breathers will be at least IP54 for Group IIC and IP6X for Group IIIC applications.

Drawings Associated with the Issue 2 of this Certificate:

Manufacturer's Documents				
Title:	Drawing No.:	Pages	Rev. Level:	Date:
TPSD KCS ATEX-IECEX	4 61866 (Sheet 00 of 01)		01	2015-06-23
TPSD KCS ATEX-IECEX AU	4 61866 (Sheet 00 of 01)		01	2015-06-23
Notice to Installers	N/A		0.6	April 2015
Safety Documentation	N/A		0.4	June 2015