

GOVERNMENT APPROVED TEST LABORATORY
IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

Date Issued: **21 Jan 2019**
*Expiry date: **21 Jan 2022**
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Issue: 0

Ex – Type Examination Certificate

Certificate Number: **S-XPL/19.0036 X**
Equipment: **Multi-touch Panel PC and Multi-touch Control Panel**
Model / Type: **Multi-touch Panel PC Series CPX37.. and Multi-touch Control Panel Series CPX39..**
Applicant: **Beckhoff Automation (Pty) Ltd**
7 Ateljee Street
Randpark Ridge
Randburg, Gauteng
2169, South Africa
Manufacturer: **Beckhoff Automation GmbH & Co. KG**
Serial No: All serial numbers imported between issued- and expire date and all serial numbers covered by a valid report or acceptable product certification mark.

Supplied by
Beckhoff Automation (Pty) Ltd
Identified by Inspection Authority number
S-XPL/19.0036 X

And as described in the Explolabs file number **XPL/20209/19.0036** is hereby certified "Explosion Protected (Refer to clause 1, for Ex Rating)", having been examined and inspected in accordance with the relevant requirements of South African Standards.

- SANS 60079-0: 2012 Ed 5** Explosive atmospheres Part 0: Equipment — General requirements
- IEC 60079-0: 2011 Ed 6**
- SANS 60079-15: 2010 Ed 4** Explosive atmospheres Part 15: Equipment protection by type of protection "n"
- IEC 60079-15: 2010 Ed 4**
- SANS 60079-31: 2014 Ed 2** Explosive atmospheres Part 31: Equipment dust ignition protection by enclosure "t"
- IEC 60079-31: 2013 Ed 2**

Risk of ignition provided:

Protection afforded	Equipment Protection Level (EPL)	Performance of protection	Conditions of operation	T class or Max Surface Temp (°C)
	Group			
Enhanced	Gc Group II	Suitable for normal operation	Equipment remains functioning in zone 2	T5 (100°C)
Enhanced	Dc Group III		Equipment remains functioning in zone 22	T100°C

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 9(2) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

- i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- ii) Any conditions mentioned in the above report;
- iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- v) A revision certificate replaces all previous version of the certificate.
- vi) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- vii) If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd

1. GENERAL

The marking of the Multi-touch Panel PC and Multi-touch Control Panel shall include the following:

**Ex nA IIC T5 Gc and
Ex tc IIIC T100 °C Dc**

Multi-touch Panel PC Series CPX37..-0010 and Multi-touch Control Panel Series CPX39..-0010 are panel PC's designed for industrial application intended for mounting in a 100x100 mm mounting interface.

Depending on the model code and the options, the Multi-touch Panel PC and Multi-touch Control Panel has a display size of 15", 19" or 21".

Nomenclature:

CPX37xx-0010 / CPX39xx-0010, xx indicates the display size and can be 15,19 or 21.

Electrical data

Supply: 24 Vdc, max. 1.7 A.

Based on the following documentation: IECEx DEK 18.0028X Issue No.: 0

2. INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

3. SPECIAL CONDITIONS FOR SAFE USE *(denoted by "X" after certificate number)*

For type of protection Ex nA and Ex t:

Ambient temperature range:

0 °C to 45 °C for Series CPX37..

0 °C to 50 °C for Series CPX39..

The equipment shall be installed in such a way that the risk of mechanical danger is low.

For Ex nA:

The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

Provisions shall be made to prevent the rated voltage from being exceeded by transient disturbances of more than 119 V.

4. SCHEDULE OF LIMITATIONS *(denoted by "U" after certificate number)*

None.

5. CONDITIONS OF CERTIFICATION

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

6.

MARKING

The following (or similar) information have to be clearly and permanently marked on all units:

Supplier : Beckhoff Automation (Pty) Ltd
Manufacturer : Beckhoff Automation GmbH & Co. KG
Equipment : Multi-touch Panel PC and Multi-touch Control Panel
Model/Type : Multi-touch Panel PC Series CPX37.. and
Multi-touch Control Panel Series CPX39..
Serial No. : ---
Ex Rating : Ex nA IIC T5 Gc and
Ex tc IIIC T100 °C Dc
IA Certificate No : S-XPL/19.0036 X

Responsible Testing Officer:**D Maree****Testing Officer****EXPLOLABS EXPLOSION PREVENTION SERVICES**

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