



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 UL 20.0046X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2020-05-31\)](#)
Date of Issue: 2021-02-22
Applicant: **Rockwell Automation**
1201 S 2nd St.
Milwaukee, WI, 53204
United States of America
Equipment: **Human Machine Interface, Model 2711P Series**
Optional accessory:
Type of Protection: **Increased Safety "ec", Intrinsic Safety "ic", Dust Ignition Protection by Enclosure "tc"**
Marking: Ex ec ic IIC T4 Gc
Ex tc IIIC T135°C Dc IP66
0°C to +55°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:

2021-02-22

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:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Rockwell Automation**
1201 S 2nd St.
Milwaukee, WI, 53204
United States of America

Additional
manufacturing
locations: **Denso Wave Inc.**
1 Yoshiike, Kusagi
Agui-Cho
Chita-Gun, Aichi-Ken 470-2297
Japan

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 60079-11:2011 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:

[US/UL/ExTR20.0049/00](#)

[US/UL/ExTR20.0049/01](#)

Quality Assessment Reports:

[US/ETL/QAR12.0005/06](#)

[US/UL/QAR14.0017/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

These devices are touchscreen displays for use with industrial control programmable controllers, and are intended to be mounted through an enclosure opening. They are used to monitor, control and display information graphically.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Transient protection shall be provided that is set at a level not exceeding 140 % of the peak rated voltage value at the supply terminals to the equipment.
- Mount the display in environments where ultraviolet (UV) light cannot influence the nonmetallic parts.
- Install the display in a location that minimizes the risk of impact from other objects.
- Mount the display through an enclosure wall with a minimum ingress protection rating of IP54 (Zone 2 applications) and IP6X (Zone 22 applications), and in an overall environment not exceeding Pollution Degree 2 as defined in IEC 60664-1. The enclosure must meet Zone 2 and/or Zone 22 IECEx requirements depending on area of installation. For "Ex tc" applications, see instructions for enclosure requirements, cut out information, and securement of the HMI.
- Electrostatic Charging Hazard label must be affixed to the panel in a location that is visible to the operator.
- Potential electrostatic charging hazard – see instructions.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Correction to Specific Conditions of Safe Use.

Annex:

[Annex to IECEx UL 20.0046X Issue 1.pdf](#)



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TYPE DESIGNATION

Nomenclature:

2711P-	T6	C	21	D	8	S	-B
a	b	c	d	e	f	g	h

a – Model Designation

2711P Series (OS: Windows)

b – Designates size of screen

T4 – 4.3 inch

T6 – 5.7 inch

T7 – 6.5 inch

T9 – 9 inch

T10 – 10.4 inch

T12 – 12.1 inch

T15 – 15 inch

c – Designates screen type

C – Color

W – Wide Color

d – Number of Ethernet Ports

21 – 1

22 – 2

e – Power Source

D – dc

f – Win CE License

8 – Core

g – Model

S – Standard

h– OEM Variation

None – No OEM

-B – OEM



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PARAMETERS RELATING TO THE SAFETY

24Vdc, 30W maximum

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Warning Marks

Voltage

DANGER

Explosion Hazard - When installed in a hazardous location, do not open the enclosure, connect or disconnect equipment unless the area is known to be non-hazardous.

Risque d'explosion - Lorsqu'il est installé dans une zone dangereuse, n'ouvrez pas le boîtier, ne connectez ou déconnectez pas l'équipement à moins que la zone ne soit connue pour être non dangereuse.

Allen-Bradley

ERRS

PANELVIEW PLUS 7

CAT 2711P-T4W21D8S

SER C

SN DE0AA0AA

Class I, Div 2, Groups A, B, C, D
Class II, Div 2, Groups F, G, and Class III
CLASS 1 ZONE 2 GROUP IIC T4
TEMPERATURE CODE T4
RATED UL TYPE 4X indoor use only, 12, 13
AND CLASSIFIED BY UL IN ACCORDANCE
WITH IEC 60529, IP66 WHEN PROPERLY
MOUNTED ON A FLAT SURFACE OF AN
EQUIVALENT TYPE ENCLOSURE
EN61131-2 EQUIPMENT CLASS III
Must be supplied by PELV or PELV source

ODVA CONFORMANT

UL US LISTED

47AM IND. CONT. EQ. FOR HAZ. LOC.

Rockwell Automation, 1201 S 2nd St, Milwaukee, WI 53204, USA

24VDC 15W

FAC. DE PRODUCT OF JAPAN 生产日期 YYYY/MM/DD

MAT. NO. PN-558500

DIR/VER 10005203099/00

24 VDC
+ - GND

Risco de Explosão - Não abra o invólucro quando instalado em área classificada. Não conecte ou desconecte o equipamento a menos que a área seja conhecida como área não-classificada

Ex ec ic IIC T4 Gc
Ex tc IIIC T135C Dc IP66
0° C ≤ Ta ≤ +55° C
UL-BR 14.0716X

Segurança

EAC



WARNING

POTENTIAL ELECTROSTATIC CHARGING
HAZARD – SEE INSTRUCTIONS

Atenção: Risco potencial de carga eletrostática,
veja o manual de instruções