



1 **TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **CSANe 21ATEX9144U** Issue: **1**

4 Component: **Industrial automation panel AP1000 series**

5 Applicant: **B&R Industrial Automation GmbH**

6 Address: **B&R Strasse 1
5142 Eggelsberg
Austria**

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V., certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN IEC 60079-0:2018 EN 60079-31: 2014

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified component, and not to specific components subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component shall include the following:



II 3D
Ex tc IIIC Dc

Project Number 80093688

Signed: J A May

Title: Director of Operations

CSA Group Netherlands B.V.
Utrechtseweg 310, Building B42,
6812AR Arnhem, The Netherlands





SCHEDULE

TYPE EXAMINATION CERTIFICATE

CSANe 21ATEX9144U
Issue 1

13 DESCRIPTION OF COMPONENT

The B&R industrial automation panel AP1000 series are configurable panels that can be used in a wide range of applications. They are available in different screen sizes. The core component is the panel itself, which is transformed into an Automation Panel by adding a modular Display Link Receiver or a Panel PC.

Model types

5AP1130.0702-000	5AP1130.101E-000	5AP1130.101D-000
5AP1130.121E-000	5AP1130.156C-000	5AP1130.185C-000

Variation 1 - This variation introduced the following change:

- i. Increasing the electrical rating from 24 Vdc, 1 to 4 Amps to 24 Vdc, Max. 5.5 Amps, The Schedule on Limitations are amended accordingly.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	28 June 2021	R80075859A	The release of the prime certificate.
1	21 January 2022	R80093689A	The introduction of Variation 1.

15 SCHEDULE OF LIMITATIONS

- 15.1 The panel is suitable for an ambient temperature range of $-10^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.
- 15.2 A maximum temperature rise of 14.6 K was measured on the display under normal operating conditions without a dust layer.
- 15.3 The panel shall be installed in an enclosure that provides a degree of protection not less than IP6X in accordance with EN/IEC 60079-31. The internal temperature of the enclosure shall not exceed the ambient temperature rating of the panel. The panels shall be installed as described in the instruction manual.
- 15.4 The panel was tested at low risk of mechanical danger, see instruction manual for installation advice.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira/CSA Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

CSA Group Netherlands B.V.
Utrechtseweg 310, Building B42,
6812AR Arnhem, The Netherlands

Certificate Annexe



Certificate Number: **CSANe 21ATEX9144U**
 Component: **Industrial automation panel AP1000 series**
 Applicant: **B&R Industrial Automation GmbH**

Issue 0

Drawing	Sheets	Rev.	Date (Drawing)	Date (Stamp)	Title
AP1000 Ex-Protection- Doc Sealing	1 to 7	1.1	2021-05-21	2 June 21	B&R AP1000 Panel Series documentation Ex-Protection: Sealing
AP1000 Ex-Protection- Doc: General Requirements	1 to 11	2.0	2021-06-18	24 June 21	B&R AP1000 Panel Series documentation Ex-Protection: General Requirements for drawing and documentation
AP1000 Ex-Protection- Doc General Arrangement	1 to 5	3.0	2021-06-23	2 June 21	B&R AP1000 Panel Series documentation Ex-Protection: General Arrangement
AP1000 Ex-Protection- Doc Internal Electrical Equipment	1 to 12	1.0	2020-10-29	2 June 21	B&R AP1000 Panel Series documentation Ex-Protection: Internal Electrical Equipment
C0040379-01	1 to 2	-	23.03.16	2 June 21	Front AP1000 12.1" PCT wide kpl
C0040391-01	1 to 2	-	23.03.16	2 June 21	Front AP1000 10.1" PCT wide kpl
C004093-02	1 to 2	-	10.05.16	2 June 21	Front AP1000 7" PCT wide kpl
C0041565-01	1 to 2	-	23.05.17	2 June 21	Profilfront kpl. 5AP933.185B-00
C7016486-01	1 of 1	-	23.03.16	2 June 21	Glaskleber AP1000 10.1" PCT wide
TSD-47812	1 of 1	E	12/17	2 June 21	Marketing drawing PCT1650 18.61 W
TSD-48183	1 of 1	E	12.17	2 June 21	Marketing drawing PCT1650 7.11 W
TSD-48182	1 of 1	E	12/17	2 June 21	Marketing drawing PCT1650 10.18 W
TSD-48181	1 of 1	E	12/17	2 June 21	Marketing drawing PCT1650 .12.23 W
C7014824-02	1 of 1	02	18.09.2013	2 June 21	Glaskleber 5AP933.185B-00
C7016425-02	1 to 2	02	23.05.2017	2 June 21	Profil front 5AP933.185B-00
C7016483-01	1 to 2	-	23.03.16	2 June 21	Front AP1000 12.1" PCT wide
C7016484-01	1 of 1	-	23.03.16	2 June 21	Glaskleber AP1000 12.1" PCT wide
C7016485-01	1 to 2	-	23.03.16	2 June 21	Front AP1000 10.1" PCT wide
C7016487-02	1 to 2	02	08.09.16	2 June 21	Front AP1000 7" PCT wide
C7016488-01	1 of 1	-	23.03.16	2 June 21	Glaskleber AP1000 17" PCT wide
C0037507-02	1 of 1	-	25.06.13	2 June 21	Halteklammern Sirius Edelstahl
C7015959-02	1 of 1	02	23.05.2017	2 June 21	Front Profil rechts 5AP933.185B-00 Rohteil C7016029-01
C7015990-02	1 of 1	02	23.05.2017	2 June 21	Front Profil links 5AP933.185B-00 Rohteil C7016029-01
C7016426-02	1 of 1	02	23.05.2017	2 June 21	Front Profil oben 5AP933.185B-00 Rohteil C7016029-01
C7016427-02	1 of 1	02	23.05.2017	2 June 21	Front Profil unten 5AP933.185B-00 Rohteil C7016029-01
Marking ATEX for AP1000 series	1 of 1	-	June 23, 2021	24 June 21	Marking for ATEX-certified products of the AP1000 family

CSA Group Netherlands B.V.
 Utrechtseweg 310, Building B42,
 6812AR Arnhem, The Netherlands

Certificate Annexe



Certificate Number: CSANe 21ATEX9144U
Component: Industrial automation panel AP1000 series
Applicant: B&R Industrial Automation GmbH

Issue 1

Drawing	Sheets	Rev.	Date (Drawing)	Date (Stamp)	Title
AP1000 Ex-Protection- Doc: General Requirements	1 to 11	4.0	2021-08-13	13 Dec 21	B&R AP1000 Panel Series Documentation Ex-Protection: General Requirements for drawing and documentation
AP1000 Ex-Protection- Doc Internal Electrical Equipment	1 to 13	2.0	2021-08-13	13 Dec 21	B&R AP1000 Panel Series documentation Ex-Protection: Internal Electrical Equipment
Marking ATEX for AP1000 series	1 of 1	--	August 13, 2021	13 Dec 21	Marking for ATEX-certified products of the AP1000 family