



[1] **UNITED KINGDOM CONFORMITY ASSESSMENT**
UK-TYPE EXAMINATION CERTIFICATE

[2] **Component Intended for use on/in a Product or Protective System Intended for use in Potentially Explosive Atmospheres**
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

[3] UK-Type Examination Certificate No.: **UL22UKEX2285U Rev. 0**
[4] Component: **Display and adjustment module PLICSCOM and PLICSCOM(*) *B/W***
[5] Manufacturer: **VEGA Grieshaber KG**
[6] Address: **Am Hohenstein 113**
77761 Schiltach
Germany

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

[8] UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.
The examination and test results are recorded in the confidential report **UKRCC-4790229873.11.1**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

[10] The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system.

[11] This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified component. Further requirements of the Regulations apply to the manufacturing process and supply of this component. These are not covered by this certificate.

[12] The marking of the component shall include the following:

 **II 1 G Ex ia IIC Ga or**

 **II 2 G Ex ib IIC Gb**

**The Ex Component is marked with the certificate number,
the Ex coding is recapitulated in the user instructions.**

Certification Manager
Andrew Moffat

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the EUKEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Regulations. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2022-06-30

Approved Body

UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade
Road, Basingstoke RG24 8AH, UK
Phone : +44 (0)1256 312100



[13]
[14]

Schedule

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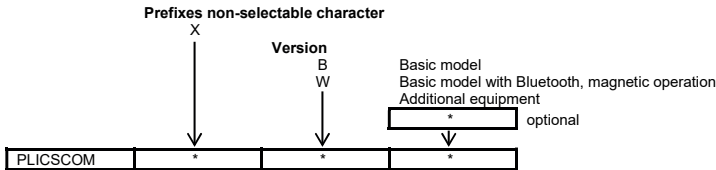
[15] Description of Product

The display and adjustment module PLICSCOM with built-in display and control buttons is a passive intrinsically safe instrument.

The AB-module PLICSCOM is installed in a suitable VEGA device (e.g. plics, plicsplus equipment series) or Private Labeller (PL) device of identical design with intrinsically safe display and adjustment module interface and serves for establishment in explosive gas atmospheres which demand instruments of the category 1 G (EPL Ga) or 2G (EPL Gb).

Electrically, the display and adjustment module is connected by 4 spring loaded contacts in the lid of the electronics insert (VEGA-specific AB-module interface). There are 4 contact areas shifted by 90° on the bottom of the display and adjustment module. The display and adjustment module can therefore be fixed in 4 different viewing positions.

Type code
PLICSCOM(*) *B/W*



Electrical data

Power supply and signal circuit (Spring contacts in the cover of the electronic insert)

In type of protection intrinsic safety Ex ia IIC
Only for the connection to certified intrinsically safe VEGA devices as well as their identically designed PL devices via a VEGA-specific AB-module interface. The AB-module interface for supplying the PLICSCOM is a proven AB-module interface with I²C-bus communication for all VEGA devices.

The PLICSCOM(*) *B/W* is only used as part of a suitable VEGA device with mechanical, electrical AB-module interface as well as identical PL device.

Maximum values:

U_i = 6V
P_i = 350 mW
C_i = negligibly small
L_i = negligibly small

Effective internal capacitance
Effective internal inductance

Temperature range

The ambient temperature range is -40 °C ≤ Ta ≤ +80 °C
The maximum temperature rise for all PLICSCOM versions was established to T = 34 K.

Routine tests

None

[16] Test Report No. (associated with this certificate issue)
DE/TUN/ExTR16.0015/02 (Free Reference No. 19 217 250109)

[17] Schedule of Limitations:

The display and adjustment module PLICSCOM and PLICSCOM(*) *B/W* is suitable for an ambient temperature range of -40 °C to +80 °C.

[18] Conditions of certification:

None

[19] Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

[13]

[14]

Schedule

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Additional information

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in Annex III to UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

[20]

Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Application for issuance of an ATEX-Certificate and IEC Ex-Certificate	VEGAZW-6-22533-EN_REV4.pdf	4	2016-03-08
PLICSCOM3	GE3618	-	2015-12-01
Schematic PLICSCOM3	SB 1448-1-00-0	1-00-0	2015-12-01
Hall-Sensor-Bedienfeld	SB1497-1-00-0	1-00-0	2014-11-06
Schematic PLICSCOM3	SB 1503-1-00-0	1-00-0	2015-12-11
Trace Layout PLICSCOM3	GE3622	-	2015-12-08
Component layout PLICSCOM3	GE3624	-	2016-03-08
Component layout PLICSCOM3A	GE3626	-	2016-03-08
Part list PLICSCOM3	PLICSCOM_ Stuckliste-Partlist Rev0.pdf	0	-
Application for issuance of 1. supplement	VEGAZW-6-33609-EN	2	2017-08-11
Plicscom 3	GE3618_01_1_PLICSCO M3	01	2016-09-19
Bestockungsplan PLICSCOM 3A	GE3626-02	02	2016-09-12
Layout PLICSCOM 3A	GE3627-02	02	2016-09-12
PLICSCOM Ex ia part list	PLICSCOM_ Stuckliste- Partlist	1	2016-09-12 (file info)
Plicscom3	SB1503-1-02-0	-	2016-08-30
Specification Type Plate UKEX PLICSCOM	VEGAZW-6-78860	1	2022-02-09
Safety instructions Display and adjustment module PLICSCOM	1008189	-	2022-02-01

