

Translation

(1) **EU-Type Examination Certificate**



- (2) Component intended for use on/in equipment or protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU



(3) **Certificate Number** TÜV 15 ATEX 161127 U **issue:** 01

(4) for the product: Display and adjustment module PLICSCOM and PLICSCOM(*). *B/W*

(5) of the manufacturer: **VEGA Grieshaber KG**

(6) Address: Am Hohenstein 113
77761 Schiltach
Germany

Order number: 8003008574
Date of issue: 2019-10-15

- (7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, 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 Annex II to the Directive.
The examination and test results are recorded in the confidential ATEX Assessment Report No. 19 203 250108.

- (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 item 18 of the schedule.

- (10) If 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 only be used as a basis for a certification of equipment and protective systems.
- (11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the product shall include the following:



**II 1 G Ex ia IIC Ga or
II 2 G Ex ib IIC Gb or
II 3 G Ex ic IIC Gc**

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body
Roder

Hanover office, Am TÜV 1, 30519 Hannover, Tel. +49 511 998-61455, Fax +49 511 998-61590

This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV NORD CERT GmbH



(13) SCHEDULE

(14) EU-Type Examination Certificate No. TÜV 15 ATEX 161127 U issue 01

(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 1G (EPL Ga), 2G (EPL Gb) or 3G (EPL Gc).

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(*).*BW*

Prefixes non-selectable character			
	X		
		Version	
		B	Basic model
		W	Basic model with Bluetooth, magnetic operation
			Additional equipment
			* optional
PLICSCOM.	*	*	*

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

Maximum values:

$U_i = 6 \text{ V}$

$P_i = 350 \text{ mW}$

$C_i = \text{negligibly small}$

$L_i = \text{negligibly small}$

Effective internal capacitance

Effective internal inductance

Thermal data

The permissible ambient temperature range: $-40 \text{ °C} \leq T_a \leq +80 \text{ °C}$

The maximum temperature rise for all PLICSCOM versions was established to $T = 34 \text{ K}$.

Schedule to EU-Type Examination Certificate No. TÜV 15 ATEX 161127 U issue 01

- (16) Drawings and documents are listed in the ATEX Assessment Report No. 19 203 250108
- (17) Specific Conditions for Use
The display and adjustment module PLICSCOM and PLICSCOM(*). *B/W* is suitable for an ambient temperature range of -40 °C to +80 °C.
- (18) Essential Health and Safety Requirements
No additional ones

- End of Certificate -

Translation

(1) **EU-Type Examination Certificate**

- (2) Component intended for use on/in equipment or protective systems intended for use in potentially explosive atmospheres, Directive 2014/34/EU



- (3) **Certificate Number** TÜV 15 ATEX 161127 U **Issue:** 00
- (4) for the product: **Display and adjustment module
PLICSCOM und PLICSCOM(*). *B/W/U/C***
- (5) of the manufacturer: **VEGA Grieshaber KG**
- (6) Address: **Am Hohenstein 113
77761 Schiltach
Germany**

Order number: 8000469061

Date of issue: 2017-08-17


- (7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, 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 Annex II to the Directive. The examination and test results are recorded in the confidential ATEX Assessment Report No. 17 203 195219.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 + A11:2013

EN 60079-11:2012

except in respect of those requirements listed at item 18 of the schedule.

- (10) If 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 only be used as a basis for a certification of equipment and protective systems.
- (11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 II 1G resp. 2G resp. 3G Ex ia IIC Ga resp. Gb resp. Gc
II 2G resp. 3G Ex ib IIC Gb resp. Gc
II 3G Ex ic Gc

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The head of the notified body


Meyer



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(13) SCHEDULE

(14) EU-Type Examination Certificate No. TÜV 15 ATEX 161127 U issue 00

(15) Description of product

The display and adjustment module PLICSCOM with built-in display and control buttons is a passive or active (internal primary cell as buffer), intrinsically safe instrument.

The "AB-module" PLICSCOM is installed in a suitable VEGA device (e.g. plics, plicsplus equipment series) or OEM 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 1G (EPL Ga), 2G (EPL Gb) or 3G (EPL Gc).

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.

The PLICSCOM can be connected to many VEGA devices as well as their identically designed OEM 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/U/C* is only used as part of a suitable VEGA device with mechanical, electrical AB-module interface as well as identical OEM device.

Prefixes non-selectable character			
X			
↓	Version		
	B	Basic model	
	W	Basic model with Bluetooth, magnetic operation	
	U	Basic model with Bluetooth, magnetic operation, battery	
	C	Basic model with Bluetooth; without display, operation, battery	
↓	Additional equipment		
		*	optional
↓	↓	↓	↓
PLICSCOM(*).	*	*	*

Electrical data:

U_i = 6.0V

P_i = 350mW

Allowed ambient temperature range: -40°C to +80°C

The maximum temperature rise at PLICSCOM is T=34K and is still valid for all versions as the maximal value.

All details of the EC-Type-Examination Certificate EG- TÜV 15 ATEX 161127 U / Test Report 15 203 161127 are still valid for the original versions.

(16) Drawings and documents are listed in the ATEX Assessment Report No. 17 203 195219

(17) Specific Conditions for Use

none

(18) Essential Health and Safety Requirements

no additional ones

- End of Certificate -

