CERTIFICATE

(1)

(2) Component Intended for use on/in an Equipment or Protective System Intended for use in Potentially Explosive Atmospheres - **Directive 2014/34/EU**

(3) Certificate Number:

PF15CERTB098U

(4) Component: VisuNet IND-8200 B2 Options

(5) Manufacturer: **Pepperl+Fuchs GmbH**

(6) Address: Lilienthalstraße 200
                         68307 Mannheim
                         Germany

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

(8) The manufacturer listed under item 5, herewith declares in sole responsibility that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012/A11:2013   EN 60079-15:2010
EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule

(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 a basis for certification of an equipment or protective system.

(11) This CERTIFICATE relates only to the design and construction of the specified component. Further requirements of the Directive 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 :

⟨Ex⟩ **II 3G Ex nA IIC Gc**
⟨Ex⟩ **II 3G Ex nA nC IIC Gc**
⟨Ex⟩ **II 3D Ex tc IIIC Dc**

Mannheim, 29.05.2018

i.V. Roolf Wessels
Business Unit Director

i.V. Nils Bleshoy
Norm expert of the Prodouct Group

SCHEDULE

(13)

Certificate Number PF15CERTB098U

(14)

(15) Description of Component
This certificate covers Models DM/RM/KM/PC 8215, 8219, 8221 and 8222 followed by a B2 variable in the nomenclature.
These devices are computers, keyboard, video and mouse extenders as well as monitors with 15", 19", 21.5" and 22" displays, which are intended for installation into a panel or suitable enclosure.
The only accessible portion of the computer to the end-user is the Display, which can be a touch screen.

XXXXXX-X-XX-XX-XX-XXX-X-XX-XX-XX-XX-X			
##	Description	Option	Description / Designation
XXXX	Family	DM82	Direct Monitor Family
		RM82	Remote Monitor Family
		KM82	KVM Monitor Family
		PC82	Panel PC Family
XX	Screen Size	15	15.0", XGA (1024 x 768 pixel)
		19	19.0", SXGA (1280 x 1024 pixel)
		21	21.5", Full HD (1920 x 1080 pixel)
		22	22.0", WSXGA (1680 x 1050 pixel)
X	Screen Type	A	Antiglare glass front, non-touch
		R	Touch Screen, Resistive, 5-wire, hardened Glass
		T	Touch Screen, Resistive, 5-wire
		U	High Bright Display with Touch Screen, Resistive, 5-wire
		F	High Bright Display with antiglare front, non-touch High Bright Display with Touch Screen, Resistive, 5-wire, hardened glass
		K	
XX	Protection	B2	ATEX Zone 2 / Zone 22
XX	Board Specification	-	Deemed not relevant for certification
XX	Power Supply	DC	24V DC
XXX	Housing Version	-	Deemed not relevant for certification
X	Keyboard Housing	N	No Keyboard & Mouse housing
XX	Keyboard / Mouse	K0	No Keyboard, no Mouse
XX	Keyboard Layout	L0	No Keyboard, no Layout
XX	Special Accessories	S0	No Special Accessories
X	Options	N	No Option

Electrical data

Equipment	Voltage Rating	Current Rating
DM/RM/KM/PC 8215	20-30 Vdc	2.5 A max.
DM/RM/KM/PC 8219	20-30 Vdc	4.0 A max.
DM/RM/KM/PC 8221	20-30 Vdc	4.4 A max.
DM/RM/KM/PC 8222	20-30 Vdc	4.4 A max.

Temperature Range
The service temperature range is -20°C to +55°C.

(16) Test report
The examination and test results are recorded in the confidential report: CERX-B098A

(17) Schedule of Limitations
- When utilized in an explosive gas atmosphere:
  The device shall be mounted in a certified enclosure with a minimum ingress protection rating of at least IP54 in accordance with EN 60079-15 and used in an area of not more than pollution degree 2 as defined in IEC/EN 60664-1.

- When utilized in an explosive dust atmosphere:
  The device shall be mounted in a certified enclosure with a minimum ingress protection rating of at least IP64 in accordance with EN 60079-31.
- The enclosure must utilize a tool removable cover or door.
- Provision shall be made to provide transient protection device to be set at a level not exceeding 119 V at the power supply terminals of the apparatus.
- The standard 5-wire resistive touch-screen ("T" option) has not been evaluated for potential damage from UV exposure. Therefore, installation is restricted to avoid direct exposure to sunlight.
- The device does not pose a static hazard during normal use. Keep away from high charge processes.
- The device has been evaluated for a maximum temperature class of T4 in a service temperature range of -20°C to +55°C. The relaxation for small component temperatures for a temperature class of T4 has been utilized.

(18) Essential Health and Safety Requirements
All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.