(2) Equipment intended for use in potentially explosive atmospheres
Annex VIII - Directive 94/9/EC

(1) # TYPE EXAMINATION CERTIFICATE

(3) Number of the type examination certificate: **INERIS 13ATEX3017X**

(4) Equipment:

TERMINAL PFX...*

*** GM4201TAD, GM4301TAD, GM4B01D, XM4200TP, XM4300TP**

(5) Manufacturer: DIGITAL ELECTRONIC CORP

(6) Address: JP-OSAKA

(7) This equipment and any other acceptable alternative of this one are described in the annex of this certificate and the descriptive documents quoted in this annex.

(8) INERIS, accredited by COFRAC under number 5-0045 for certification of products and services (scope of accreditation available on the website www.cofrac.fr), certifies that this equipment fulfils the Essential of Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres and submitted to the annex VIII of the Directive. The essential requirements are described in the annex II of the Directive 94/9/EC of the 23rd March 1994.

The examinations and the tests are consigned in report No 028414/14.

(9) The respect of the Essential Health and Safety Requirements is ensured by:

- conformity with:

EN 60079-0	:	2009
EN 60079-15	:	2010
EN 60079-31	:	2009

- specific solutions adopted by the manufacturer to meet the Essential Health and Safety Requirements described in the descriptive documents.

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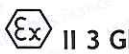
Etablissement public à caractère industriel et commercial - RCS Senlis B 381 984 921 - Siret 381 984 921 00019 - APE 7120B

(10) Sign X, when it is placed following the Number of the type examination certificate, indicates that this equipment is subjected to the special conditions for safe use, mentioned in the annex of this certificate.

(11) This type examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the directive 94/9/EC. 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 equipment will have to contain:



Verneuil-en-Halatte, 2014.04.15

The Chief Executive Officer of INERIS
By delegation
T. HOUEIX
Ex Certification Officer

(13) # ANNEX

(14) TYPE EXAMINATION CERTIFICATE N°INERIS 13ATEX3017X

(15) DESCRIPTION OF THE EQUIPMENT

The terminal PFXGM4 is composed of front module with touchscreen PFXXM4200TP (3.5'') and PFXXM4300TP (5.7'') and CPU rear module PFXGM4B01D. Reference for association of these modules are PFXG201TAD (CPU + screen 3.5'') and PFXGM4301TAD (CPU + screen 5.7'').

Front modules must be installed in front of enclosure and be linked through a hole to the rear module installed inside the enclosure.

PARAMETERS RELATING TO THE SAFETY

Nominal Voltage: 24 V d.c.

MARKING

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

DIGITAL ELECTRONIC CORPORATION
JP-OSAKA
PFX...*
INERIS 13ATEX3017X
(Serial number)
(Year of construction)
Ⓔx II 3 GD
Ex nA nC IIC T4 Gc
Ex tc IIIC T135°C Dc

* GM4201TAD, GM4301TAD, GM4B01D, XM4200TP, XM4300TP

WARNINGS:
DO NOT DISCONNECT WHILE CIRCUIT IS LIVE
POTENTIAL ELECTROSTATIC CHARGING HAZARD - SEE INSTRUCTIONS

Marking may be carried out in the language of the country of use.

The equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

None.

(16) DESCRIPTIVE DOCUMENTS

The descriptive documents quoted hereafter constitute the technical documentation of the equipment, subject of this certificate.

- ATEX technical file (10 pages) signed on 2013.07.29
- ATEX Instructions guide (6 pages) signed on 2013.07.29

(17) SPECIAL CONDITIONS FOR SAFE USE

- The equipment is intended to be used in an operating temperature range from 0°C to 50°C.
- The equipment must be installed in an enclosure with a protection degree IP54 for zone 2 and IP6X for zone 22, the enclosure must also comply with EN 60079-0:2009 requirements.
- During the installation, the user will take into consideration that the equipment underwent only a shock corresponding to an energy of a low risk.
- For the equipment with a permanently connected cable, the user will have to connect the free extremity of cable either in a non-explosive atmosphere, or in an enclosure protected by a recognized protection mode adapted to the area.
- The equipment has to be protected from light, the user will have to read the instructions.

The other conditions are stipulated in the instructions.

(18) ESSENTIAL SAFETY AND HEALTH REQUIREMENTS

The respect of the Essential Health and Safety Requirements is ensured by:

- Conformity to the standards quoted in clause (9).
- All provisions adopted by the manufacturer and defined in the descriptive documents.

COMPLEMENT

(3) **INERIS 13ATEX3017X/01**

(4) **TERMINAL GRAPHIQUE TYPE PFXGM4...* ou PFXLM4...* ou PFXXM4...***

* Les points sont remplacés par des lettres et chiffres définissant la version du matériel Ex

(5) **Construit par DIGITAL ELECTRONIC CORPORATION**

(15) **OBJET DU COMPLEMENT**

- Ajout de nouveaux types de terminaux graphiques.
- Application des normes : EN 60079-0: 2012+A11: 2013, EN 60079-15: 2010 et EN 60079-31: 2014.
- Mise à jour de la documentation du fabricant.

PARAMETRES RELATIFS A LA SECURITE

Les paramètres relatifs à la sécurité sont inchangés.

MARQUAGE

Le marquage est modifié comme suit :

DIGITAL ELECTRONIC CORPORATION
JP-OSAKA
PFXGM4...* ou PFXLM4...* ou PFXXM4...* (* *voir tableau descriptif des équipements ci-dessous)*
INERIS 13ATEX3017X
(Numéro de série)
(Année de construction)
Ⓔx II 3 GD
Ex nA nC IIC T4 Gc
Ex tc IIIC T135°C Dc
T_{amb}: 0°C à +50°C

AVERTISSEMENTS:

- NE PAS DECONNECTER SOUS TENSION.
- DANGER POTENTIEL DE CHARGES ELECTROSTATIQUES - VOIR INSTRUCTIONS.

L'ensemble du marquage peut être réalisé dans la langue du pays d'utilisation.

L'appareil ou le système de protection doit aussi porter le marquage normalement prévu par les normes de construction qui le concernent.

TABLEAU DESCRIPTIF DES EQUIPEMENTS :

PFXGM4...*	
Produits	Description
PFXGM4201TAD	Small panel 3.5
PFXGM4301TAD	Small panel 5.7
PFXGM4B01D	Rear module

PFXLM4...*	
Produits	Description
PFXLM4201TADDC PFXLM4201TADDK	Small controller panel 3.5 (machine version)
PFXLM4301TADDC PFXLM4301TADDK	Small controller panel 5.7 (machine version)
PFXLM4B01DDC PFXLM4B01DDK	Rear module (machine version)
PFXLM4201TADAC PFXLM4201TADAK	Small controller panel 3.5 (process version)
PFXLM4301TADAC PFXLM4301TADAK	Small controller panel 5.7 (process version)
PFXLM4B01DAC PFXLM4B01DAK	Rear module (process version)

PFXXM4...*	
Produits	Description
PFXXM4200TP	Front display 3.5
PFXXM4300TP	Front display 5.7

EXAMEN ET ESSAIS INDIVIDUELS

Les examens et essais individuels sont inchangés.

(16) DOCUMENTS DESCRIPTIFS

Les documents descriptifs cités ci-après, constituent la documentation technique des modifications apportées au matériel et faisant l'objet du présent complément :

- Dossier technique ATEX 'HRB5801500' Rev.01 signé le 2016.03.04
- Fiche d'instructions ATEX 'EAV6919500' Rev. 01 signée le 2016.03.04

(17) CONDITIONS SPECIALES POUR UNE UTILISATION SURE

Les conditions spéciales sont inchangées.

(18) EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE

Le respect des Exigences Essentielles de Sécurité et de Santé est modifié comme suit :

- La conformité aux normes listées au paragraphe (15).
- L'ensemble des dispositions adoptées par le constructeur et décrites dans les documents descriptifs.

Verneuil-en-Halatte, 2016.04.04

INERIS France

Le Directeur Général de l'INERIS,
Par délégation

Thierry HOUEIX
Délégué Certification ATEX
Ex Certification Officer