



Schneider
Electric

INSTRUCTION SHEET

For use in potentially explosive atmosphere

This document provides important information for permitted use of certified ATEX and IECEx Quantum modules in Ex zones 2 (gas) and 22 (dust).

Certified modules

Certified modules are listed in the ATEX certificate INERIS 12ATEX3001U and in IECEx certificate IECEx INE12.0028U available on Schneider Electric website www.se.com.

Equipment categories (IEC/EN 60079-14)

- GAS Zone 2 Category 3G Gc equipment

Follow the special conditions below.

⚠ DANGER

EXPLOSIVE POTENTIAL

- USB connectors, RJ45 connectors, SUB-D connectors, optical fiber connectors, and PCMCIA memory expansion cards must not be connected or disconnected when energized.
- Batteries and fuses shall not be changed in presence of explosive atmospheres.
- Confirm that the power supply has been turned OFF before disconnecting, replacing or wiring modules.
- Securely lock any external interface connected to the modules.
- Install the modules in an enclosure Category 3G or EPL Gc insuring a minimal ingress protection IP54 for use in zone 2.
The intended environment shall be not more than pollution degree 2.
- Install the modules in an enclosure Category 3D or EPL Dc insuring a minimal ingress protection IP6X for use in zone 22.
- The operating temperature range of the modules is from 0 °C to +60 °C.

Failure to follow these instructions will result in death or serious injury.

This original document is in English. Contact your local Schneider Electric support for translation www.se.com/contact.



* H R B 2 4 0 8 6 0 4 *

HRB24086 04 1/2

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Additional information

Install the Quantum modules according to the Quantum user manual.

The maximum overheating of the modules is 40K. This value is compatible with temperature code T4.

Further information

For further and detailed information, refer to the ATEX-IECEx instruction guide HRB24090 and other documents supplied with the power supply modules certified ATEX and IECEx.

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

Marking on modules

Schneider Electric
F-06516 Carros



IECEx INE12.0028U
Ex nA nC IIC Gc
II 3 G
INERIS 12ATEX3001U

WARNING – Do not disconnect while circuit is live unless area is known to be non-hazardous



DÉCLARATION UE DE CONFORMITÉ

Pour modules destinés à être utilisés en atmosphères explosibles

Nous : Schneider Electric
8^{ème} rue, ZI Carros
F- 06516 Carros cedex

Déclarons que les modules

Marque : Schneider Electric
Nom : Modicon Quantum
Type : Automate Programmable Industriel
Modèles : 140..., suivi de lettres et de chiffres
décrits dans l'attestation INERIS 12ATEX3001U

répondent de par leur conception et leur construction, aux exigences des Directives européennes et normes applicables :

Directive(s) :	Norme(s) :
Directive ATEX	2014/34/UE - EN 60079-0:2012/A11:2013 (*) - EN 60079-15:2010

(*) Une revue selon la norme harmonisée EN IEC 60079:2018 ne montre aucun changement impactant ces modèles, dans la norme EN 60079:2012 continue de représenter les "règles de l'art".

sous réserve d'installation, d'entretien et d'utilisation conformes à sa destination, à la réglementation, aux normes en vigueur, aux instructions du constructeur et aux règles de l'art.

Marquage des modules : II 3 G Ex nA nC IIC Gc

Attestation d'examen de type : INERIS 12ATEX3001U

Délivré par : INERIS
Parc Technologique Alata
F- 60550 Verneuil en Halatte



EU DECLARATION OF CONFORMITY

For modules intended to be used in potentially explosive atmosphere

We: Schneider Electric
8^{ème} rue, ZI Carros
F- 06516 Carros cedex

hereby declare that the Ex components

Mark: Schneider Electric
Name: Modicon Quantum
Type: Industrial Programmable Controller
Models: 140..., followed by letters and numbers
defined in certificate INERIS 12ATEX3001U

which, through their design and construction, meet the requirements of the European Directives and applicable standards:

Directive(s):	Standard(s):
ATEX directive	2014/34/EU - EN 60079-0:2012/A11:2013 (*) - EN 60079-15:2010

(*) A review against harmonized standard EN IEC 60079:2018, shows no significant changes relevant to these models, so standard EN 60079:2012 continues to represent the "state of art".

subject to correct installation, maintenance and use conforming to its intended purpose, to the applicable regulations and standards, to the supplier's instructions and to the state of art.

Marking of modules: II 3 G Ex nA nC IIC Gc

Type examination certificate: INERIS 12ATEX3001U

Issued by: INERIS
Parc Technologique Alata
F- 60550 Verneuil en Halatte