



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEX Scheme visit www.iecex.com

Certificate No.: IECEX INE 17.0020X

Issue No: 0

Certificate history:

Issue No. 0 (2018-03-15)

Status: **Current**

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Date of Issue: **2018-03-15**

Applicant: **SCHNEIDER ELECTRIC
92506 RUEIL-MALMAISON
France**

Equipment: **LIMIT SWITCHES**

Optional accessory: *XCK...Ex, XCMD...Ex, XCS...Ex*

Type of Protection: **tb IIIC Db**

Marking:
Ex tb IIIC T85°C Db

Approved for issue on behalf of the IECEX
Certification Body:

Olivier COTTIN

Position:

Head of Equipment and Corporate Services Unit

Signature:
(for printed version)



Date:

2018.03.15

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEX Website](http://www.iecex.com).

Certificate issued by:

INERIS
Institut National de l'Environnement Industriel
et des Risques, BP n2
Parc Technologique ALATA
France



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Manufacturer: SCHNEIDER ELECTRIC
16430 L'ISLE D'ESPAGNAC
France

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[FR/INE/ExTR17.0022/00](#)

Quality Assessment Report:

[FR/INE/QAR12.0009/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Limit switches XCK...Ex, XCMD...Ex, XCS...Ex are electromechanical sensors. This equipment is operated directly with objects, machine parts or other. They transform this actuation into the closing and/or opening of an electrical contact. The XCK...Ex, XCMD...Ex, XCS...Ex are mainly used on machines for industry, machine tools, machines for light industry, precision mechanism.

PARAMETERS RELATING TO THE SAFETY :

Maximum voltage : AC15 = 240 V, DC13 = 250 V
Maximum intensity: AC15 = 3 A, DC13 = 0.55A

MARKING :

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

SCHNEIDER ELECTRIC
FR - 92506 RUEIL-MALMAISON ou/or
FR - 16340 L'ISLE D'ESPAGNAC
XCS...Ex or XCMD...Ex
IECEx INE 17.0020X
(Serial Number)
Ex tb IIIC T85°C Db
IP66/67
T. Amb : -20°C to +60°C
WARNING :
DO NOT OPEN WHEN ENERGIZED

Or

SCHNEIDER ELECTRIC
FR - 92506 RUEIL-MALMAISON ou/or
FR - 16340 L'ISLE D'ESPAGNAC
XCS...Ex or XCMD...Ex
IECEx INE 17.0020X
(Serial Number)
Ex tb IIIC T85°C Db
IP66
T. Amb : -20°C to +60°C
WARNING :
DO NOT OPEN WHEN ENERGIZED

ROUTINE EXAMINATIONS AND TESTS :

No required.

SPECIFIC CONDITIONS OF USE: YES as shown below:

During the installation, the user will take into consideration that the type XCK...Ex underwent only a shock corresponding to an energy of a



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low risk.
Other conditions of use are stipulated in the instructions.