IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.:	**IECEx INE 25.0030X**	Page 1 of 5	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2026-03-31)
Date of Issue:	2026-06-19		
Applicant:	**SCHNEIDER Electric Industries SAS** 35, rue Joseph Monier Rueil Malmaison 92500 **France**		
Equipment:	**STO Safety function of the variable speed drives product ranges ATH630/650**		
Optional accessory:			
Type of Protection:	**Associated safety device**		
Marking:	[Ex Gb] [Ex Db] [Ex Mb]		

Approved for issue on behalf of the IECEx Certification Body: **Thierry HOUEIX**

Position: **Ex Certification Officer**

Signature: (for printed version)

Signé électroniquement
Digitally signed by
Thierry HOUEIX
Ex Certification Officer
Délégué Certification

Date: (for printed version) **2026-06-19**

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Certificate issued by:

INERIS
Institut National de l'Environnement Industriel et des Risques
BP n2 / Parc Technologique ALATA
F-60550 Verneuil-en-Halatte
France

controlling risks for sustainable development

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Certificate No.: **IECEx INE 25.0030X**

Date of issue: 2026-06-19 Issue No: 1

Manufacturer: **SCHNEIDER Electric Industries SAS**
35, rue Joseph Monier
Rueil Malmaison 92500
France

Manufacturing locations:

PT SCHNEIDER ELECTRIC MANUFACTURING BATAM
JL Beringin Lot 4 and 208 Batamindo Industrial Park Muka Kuning,
BATAM INDONESIA, 29433
Indonesia

SCHNEIDER WUXI DRIVES Co., Ltd. // (SWD Wuxi)
No.20, Hanjiang Road, Wuxi,
Jiangsu Wuxi
China

SCHNEIDER ELECTRIC IT BUSINESS INDIA PVT. LTD
187/3 & 188/3,NO 326, SY NO. 158/159,
JIGANI VILLAGE,
JIGANI HOBLI,
BANGALORE 562106
India

See following pages for more locations

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 equipment 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 60079-0:2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC TS 60079-42:2019 Edition:1.0	Explosive atmospheres - Part 42: Electrical Safety Devices for the control of potential ignition sources from Ex-Equipment

This Certificate **does not** indicate compliance with 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 Reports:

FR/INE/ExTR25.0029/00 FR/INE/ExTR25.0029/01

Quality Assessment Report:

FR/INE/QAR24.0004/05

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The basic fail-safe function (STO) purpose is to bring the motor into a no torque condition.

The variable speed drive ATH630/650 integrates the STO (Safe Torque Off) safety function which shuts off the motor torque safely. The use of the STO safety function allows the drive to be installed as a part of the safety-related electrical, electronic and programmable electronic control systems, dedicated to the safety of a machine or an industrial process.

The use of the STO safety function is required for the variable speed drive ATH630/650 to control and command motors installed in explosive atmospheres.

The STO input(s) is (are) connected to the switching system which is embedded in the thermal sensor of the Ex motor (or connected to the switching system of the control system if Ex sensors of PTC type are used).

The variable speed drive ATH630/650 shall be installed only outside potentially explosive atmospheres.

SPECIFIC CONDITIONS OF USE: YES as shown below:
• The safety device must be located outside of explosive atmospheres or must be protected by a standardized type of protection.

The other conditions of use are stipulated in the instructions.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
For issue 01: Update of the manufacturing locations

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Additional manufacturing locations:

SCHNEIDER ELECTRIC IT BUSINESS INDIA PVT. LTD.
Part of Sy No. 9,10,12,13,21,22
Thattanahalli village, Part of Sy No.534,536,537,538,561,566,568,574,575,576
Madiwala village Kasaba Hobli, Madiwala village Anekal Taluk Bengaluru Urban District,
Bengaluru, Bengaluru
Urban, Karnataka, 562107
India

Annex:

IECEx INE 25.0030X-01_Annex.pdf

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Certificate No.: IECEx INE 25.0030X

Issue No.: 01

Annex: IECEx INE 25.0030X-01_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

Firmware: Safety Kernel MC V1.1

Hardware:

- Version STM32H725VGT3 for safe microcontroller
- See below for commercial ranges
- Power range: 0,75 KW to 250 KW
- Voltage supply: 400 Vac

The level of SIL, category, PL, SIL CL depends on the connecting schemes for the STO safety function as defined hereafter. The wiring certified configurations are identified in the safety manual and in the certification report identified previously.

Safety calculations and SFF for STO safety function are:

Function	Standard	Input	STO input
STO	IEC 61508 EN 61508	SFF	99,03%
		PFD_{AVG}	$3{,}33.10^{-5}$
		PFH	$9{,}23.10^{-10}$/h
		PTI	1 year
		Type	A
		HFT	1
		SIL	2 / 3
		SIL capability	3
	IEC 62061 EN IEC 62061	SIL CL	2 / 3
	IEC 60204-1 EN 60204-1	Category stop category	0
	EN ISO 13849-1 ISO 13849-1	Performance Level	d / e
		Category	3
		DC_{AVG}	96,9%
		MTTFd	> 30 years
	Lifetime		10 years
		Hypothesis	MRT = 8h MTTR = 8h

Table 1: Safety classification of STO safety function for ATH630/650 22 kW to 250 kW 400V

Function	Standard	Input	STO input
STO	IEC 61508 EN 61508	SFF	98,9%
		PFD_{AVG}	$6,72.10^{-6}$
		PFH	$1,03.10^{-9}$/h
		PTI	1 year
		Type	A
		HFT	1
		SIL	2 / 3
		SIL capability	3
	IEC 62061 EN IEC 62061	SIL CL	2 / 3
	IEC 60204-1 EN 60204-1	Category stop category	0
	EN ISO 13849-1 ISO 13849-1	Performance Level	d / e
		Category	3
		DC_{AVG}	92,8%
		MTTFd	> 30 years
	Lifetime		10 years
		Hypothesis	MRT = 8h MTTR = 8h

Table 2: Safety classification of STO safety function for ATH630/650 0.75 kW to 18.5 kW 400V

MARKING

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

- Schneider Electric Industries SAS
- FR- 92500 Rueil Malmaison (1)
- ATH630 (2) or ATH650 (2)
- IECEx INE 25.0030X
- (Serial Number) (3)
- [Ex Gb] [Ex Db] and/or [Ex Mb]

(1) This address may be given on a document delivered with the product
(2) References list: see below
(3) Available through a specific code

ROUTINE EXAMINATIONS AND TESTS

None.

REFERENCES LIST

The list of references covered by the present certificate is provided hereafter:

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Certificate No.: IECEx INE 25.0030X

Issue No.: 01

Annex: IECEx INE 25.0030X-01_Annex.pdf

Size	Voltage Range [V]	Power Range [kW]	Commercial reference
0 / A0	400	0.75	ATH630U07N4 / ATH650U07N4 ATH630U07N4Z
			ATH650U07N4C
		1.5	ATH630U15N4 / ATH650U15N4 ATH630U15N4Z
			ATH650U15N4C
		2.2	ATH630U22N4 / ATH650U22N4 ATH630U22N4Z
			ATH650U22N4C
1 / A1	400	3	ATH630U30N4 / ATH650U30N4 ATH630U30N4Z
			ATH650U30N4C
		4	ATH630U40N4 / ATH650U40N4 ATH630U40N4Z
			ATH650U40N4C
		5.5	ATH630U55N4 / ATH650U55N4 ATH630U55N4Z
			ATH650U55N4C
2A / A2	400	7.5	ATH630U75N4 / ATH650U75N4 ATH630U75N4Z
			ATH650U75N4C
		11	ATH630D11N4 / ATH650D11N4 ATH630D11N4Z
			ATH650D11N4C
2B / A2	400	15	ATH630D15N4 / ATH650D15N4 ATH630D15N4Z
			ATH650D15N4C
		18.5	ATH630D18N4 / ATH650D18N4 ATH630D18N4Z
			ATH650D18N4C
3 / A3	400	22	ATH630D22N4 / ATH650D22N4 ATH630D22N4Z
			ATH650D22N4C
			ATH650D22N4U
			ATH650D22N4CU
4	400	30	ATH630D30N4 / ATH650D30N4 ATH630D30N4Z
			ATH650D30N4C
			ATH650D30N4U
			ATH650D30N4CU
		37	ATH630D37N4 / ATH650D37N4 ATH630D37N4Z
			ATH650D37N4C
			ATH650D37N4U
			ATH650D37N4CU
		45	ATH630D45N4 / ATH650D45N4 ATH630D45N4Z
			ATH650D45N4C
			ATH650D45N4U
			ATH650D45N4CU
5	400	55	ATH630D55N4 / ATH650D55N4 ATH630D55N4Z / ATH650D55N4U
		75	ATH630D75N4 / ATH650D75N4 ATH630D75N4Z / ATH650D75N4U
		90	ATH630D90N4 / ATH650D90N4 ATH630D90N4Z / ATH650D90N4U
6	400	110	ATH630C11N4Z
		132	ATH630C13N4Z
		160	ATH630C16N4Z
7A	400	220	ATH630C22N4Z
7B	400	250	ATH630C25N4Z