



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 SRM 24.0003X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2024-12-31)
Date of Issue: 2025-03-26
Applicant: **Novaris Technologies (M) SDN BHD**
No. 15 2nd Floor Jalan Tembaga SD 5/2
Sri Damansara Industrial Park
52200 Kuala Lumpur
Malaysia
Equipment: **Intrinsically Safe Surge Protectors**
Optional accessory:
Type of Protection: **Ex i - Intrinsic Safety**
Marking: Ex ia IIC T4 Ga

Approved for issue on behalf of the IECEx
Certification Body:

Muhammad Azhar Md Aris

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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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 www.iecex.com or use of this QR Code.



Certificate issued by:

SIRIM QAS International Sdn. Bhd.
Building 8, SIRIM Complex
No. 1, Persiaran Dato Menteri
Selangor Section 2, 40700 Shah Alam
Malaysia





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Manufacturer: **Novaris Technologies (M) SDN BHD**
No. 15 2nd Floor Jalan Tembaga SD 5/2
Sri Damansara Industrial Park
52200 Kuala Lumpur
Malaysia

Manufacturing
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](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:7.0

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 Report:

[MY/SRM/ExTR24.0003/00](#)

Quality Assessment Report:

[MY/SRM/QAR24.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This certificate covers a range of surge protection equipment. These contain clamping devices to shunt undesirable transients to earth and limiters which decrease in impedance to protect equipment connected through it.

For additional information, please refer to attached Annex.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The following parameters shall be taken into account when interconnecting in an intrinsically safe system:

Model Range	Ui (V)	Ii (A)	Pi (W)	Ci (nF)	Li (µH)
IS-SL2	30	1.639	1.3	0	0
IS-SL4	30	1.639	1.3	0	0
IS-SLC	30	1.639	1.3	0	0
IS-SL1	30	1.639	1.3	0	0
IS-SSP10A	30	1.639	2.2	0	0
IS-SLT	30	3.0	2.2	0.2	0.2

2. In the practical use of the Surge protectors, when the earth wire is connected to the earth terminals, then care shall be taken that the intrinsically safe circuit of the surge protector is now not isolated from the earth under fault considerations. Either the signals shall be derived from galvanically isolated associated equipment, or bonding shall be derived from galvanically isolated associated equipment, or bonding shall be applied between the associated equipment earth and the Surge Protector earth. The equipment has been marked with an 'X' to indicate that IEC 60079-11 Clause 6.9 is not in compliance. Manufacturer's documentation must be followed to ensure correct installation.

3. In addition, the following model specific conditions apply: IS-SL2, IS-SL4, IS-SLC, IS-SL1, IS-SSP10A: This series of protectors are marked with an "X" as they do not satisfy the requirement for avoidance of build-up of electrostatic charge in accordance with clause 7.4.2 of IEC 60079-0. Manufacturer's documentation must be followed to ensure that at installation, the risk from electrostatic discharge is minimized.

4. For pre-certified Surge Protector housing certified vide IECEx SRM 24.0004U · The IS-SLT range should always be used with a flameproof enclosure.

- The volume of the enclosure to be restricted to 8 litres.
- All threads of the IS-SLT range must be installed wrench-tight to the torque setting as shown in the installation manual regardless of the final orientation of the angled components of the fittings.
- It is the final assembler's / user's responsibility to ensure that the threaded joint between the fitting and the associated enclosure meets all the requirements of the applicable standards for the assembly including the IP 65 rating of the enclosure.
- The manufacturer has maintained more number of threads engaged than required by the standard. The user must refer to manufacturer before carrying out any repairs or refurbishment to the equipment



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Amendment due to addition IS-SL2, IS-SL4, IS-SLC range and the enclosure dimension change to 110 mm x 71 mm x 12 mm.

Annex:

[EQP-FOR-IECEX Attachment Ex i -updated.pdf](#)



Product Certification and Inspection Department
SIRIM QAS International Sdn. Bhd. (Company No. 410334-X)
No. 1, Persiaran Dato' Menteri, P.O. Box 7035, 40700 Shah Alam
Selangor Darul Ehsan, Malaysia
Tel: 603 – 55445636
Email: ask.pci@sirim.my



Attachment to Certificate
IECEX SRM 24.0003X, Issue No: 0

Applicant: NOVARIS TECHNOLOGIES (M) SDN BHD

Equipment: Intrinsically Safe Surge Protectors

Description

General product information: The surge protectors are installed in intrinsically safe systems to protect equipment and wiring from transients and surges. Under normal operating conditions, the devices are not operational and do not affect the system operation. These contain clamping devices to shunt undesirable transients to earth to protect equipment connected through it.

IS-SL2, IS-SL4, IS-SLC range: Slimline signal line protectors suitable for process control applications. This range of products are assembled on a single printed circuit board that is fitted in a polyamide case with external connecting pins. The enclosure measures 110 mm x 71 mm x 12 mm.

IS-SSP10A range: This range of products are assembled on a single printed circuit board that is fitted in a polyamide case with external connecting pins. The enclosure measures 110 mm x 71 mm x 12 mm.

IS-SLT range: Threaded instrument protectors for transmitter protection. The protector is assembled on a single printed circuit board that is fitted in a pre-certified (vide IECEX SRM 24.0004U) Ex d hollow stainless-steel plug for mounting on an enclosure wall. The external thread may be M25, ½" NPT. The length of the enclosure measures 54mm. The electronics are encapsulated in a two-part epoxy resin

List of pre-certified equipment:

SR. NO.	MANUFACTURER	MODEL NO.	ITEM SHORT DESCRIPTION	TEMP. RANGE	IECEX CERTIFICATE NO.	MARKING	STANDARD
1	NOVARIS TECHNOLOGIES (M) SDN BHD	IS-SLT range	Surge Protector housing	-20°C to +40°C	IECEX SRM 24.0004U	Ex db IIC	IEC 60079-0:2017 IEC 60079-1:2014



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The models listed below are covered by this report:

Model Range	Model Number	Description
IS-SL2	IS-SL2-7V5	Slimline one-pair signal line protector
	IS-SL2-7V5-EC90	Slimline one -pair signal line protector
	IS-SL2-18	Slimline one -pair signal line protector
	IS-SL2-18-EC90	Slimline one -pair signal line protector
	IS-SL2-36	Slimline one -pair signal line protector
	IS-SL2-36-EC90	Slimline one -pair signal line protector
	IS-SL2-68	Slimline one -pair signal line protector
	IS-SL2-68-EC90	Slimline one -pair signal line protector
	IS-SL2-485	Slimline one -pair signal line protector
	IS-SL2-485-EC90	Slimline one -pair signal line protector
IS-SL4	IS-SL4-7V5	Slimline two -pair signal line protector
	IS-SL4-18	Slimline two -pair signal line protector
	IS-SL4-36	Slimline two -pair signal line protector
	IS-SL4-68	Slimline two -pair signal line protector
	IS-SL4-RTD	Slimline two -pair RTD protector
IS-SLC	IS-SLC-36	Slimline one-pair power & one-pair signal line protector
IS-SL1	IS-SL1-G90	Signal Surge Protector Terminal
IS-SSP10A	IS-SSP10A-14	Slimline surface-mount MOV
	IS-SSP10A-26	Slimline surface-mount MOV
	IS-SSP10A-38	Slimline surface-mount MOV
	IS-SSP10A-65	Slimline surface-mount MOV



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IS-SLT	IS-SLT1-7V5-M25	Hazardous location one-pair signal line protector
	IS-SLT1-18-M25	Hazardous location one-pair signal line protector
	IS-SLT1-36-M25	Hazardous location one-pair signal line protector
	IS-SLT1-RTD-M25	Hazardous location one-pair signal line protector
	IS-SLT1-7V5-N12	Hazardous location one-pair signal line protector
	IS-SLT1-18- N12	Hazardous location one-pair signal line protector
	IS-SLT1-36- N12	Hazardous location one-pair signal line protector
	IS-SLT1-RTD- N12	Hazardous location one-pair signal line protector
	IS-SLT3-7V5-M25	Hazardous location three-wire signal line protector
	IS-SLT3-18-M25	Hazardous location three-wire signal line protector
	IS-SLT3-36-M25	Hazardous location three-wire signal line protector
	IS-SLT3-RTD-M25	Hazardous location three-wire signal line protector
	IS-SLT3-7V5-N12	Hazardous location three-wire signal line protector
	IS-SLT3-18- N12	Hazardous location three-wire signal line protector
	IS-SLT3-36- N12	Hazardous location three-wire signal line protector
	IS-SLT3-RTD- N12	Hazardous location three-wire signal line protector
	IS-SLT4-7V5-M25	Hazardous location two-pair signal line protector
	IS-SLT4-18-M25	Hazardous location two-pair signal line protector
	IS-SLT4-36-M25	Hazardous location two-pair signal line protector
	IS-SLT4-RTD-M25	Hazardous location two-pair signal line protector
IS-SLT4-7V5- N12	Hazardous location two-pair signal line protector	
IS-SLT4-18- N12	Hazardous location two-pair signal line protector	
IS-SLT4-36- N12	Hazardous location two-pair signal line protector	
IS-SLT4-RTD- N12	Hazardous location two-pair signal line protector	