CERTIFICATE OF COMPLIANCE

Certificate Number	UL-US-2133593-0
Report Reference	E306199-20210625
Date	8-Jul-2021
Issued to:	SENECA SRL Via Austria, 26 Padova, PD Italy 35127
This is to certify that representative samples of	NRAQ - Programmable Controllers See Addendum Page for Product Designation(s).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 61010-1, 3rd Ed., Issue Date: 2012-05-11, Revision Date: 2019-07-19, UL 61010-2-201, 2nd Ed., Issue Date: 2018-05-14
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

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Look for the UL Certification Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2133593-0
Report Reference E306199-20210625
Date 8-Jul-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
R-KEY-LT	Programmable Controllers
Z-KEY	Programmable Controllers
Z-KEY-IPE	Programmable Controllers
Z-KEY-WiFi	Programmable Controllers
Z-PASS1-IO	Programmable Controllers
Z-PASS2-4GWW	Programmable Controllers
Z-PASS2-S-4GWW	Programmable Controllers
Z-PASS2-S-E-4GWW	Programmable Controllers
Z-TWS4-E-IO	Programmable Controllers
Z-TWS4-L-IO	Programmable Controllers
Z-TWS4-S-IO	Programmable Controllers

Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number	UL-CA-2127998-0
Report Reference	E306199-20210625
Date	8-Jul-2021
Issued to:	SENECA SRL Via Austria, 26 Padova, PD Italy 35127
This is to certify that representative samples of	NRAQ7 - Programmable Controllers Certified for Canada See Addendum Page for Product Designation(s). Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	CSA C22.2 NO. 61010-1, 3rd Ed., Issue Date: 2012-05-11, Revision Date: 2018-11-01, CSA C22.2 NO. 61010-2-201:18, 2nd Ed., Issue Date: 2018-02-01
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2127998-0
Report Reference E306199-20210625
Date 8-Jul-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
R-KEY-LT	Programmable Controllers
Z-KEY	Programmable Controllers
Z-KEY-IPE	Programmable Controllers
Z-KEY-WiFi	Programmable Controllers
Z-PASS1-IO	Programmable Controllers
Z-PASS2-4GWW	Programmable Controllers
Z-PASS2-S-4GWW	Programmable Controllers
Z-PASS2-S-E-4GWW	Programmable Controllers
Z-TWS4-E-IO	Programmable Controllers
Z-TWS4-L-IO	Programmable Controllers
Z-TWS4-S-IO	Programmable Controllers

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UL Product iQ™

QVGQ.E476431 - ISOLATED LOOP CIRCUIT PROTECTORS

Isolated Loop Circuit Protectors

See General Information for Isolated Loop Circuit Protectors

SENECA SRL E476431
Via Austria, 26
35127 Padova, PD ITALY
Din-rail data protector modules, Model(s) S400CL-1*, S400NET*, S400NET-1*

Isolated loop circuit protectors, Model(s) K400CL, S400ETH-DSK

* - For use on a Din-rail ground bar and intended to be mounted inside a Listed enclosure.

Last Updated on 2017-08-02

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UL Product iQ™

NMTR.E482586 - POWER CIRCUIT AND MOTOR-MOUNTED APPARATUS

Power Circuit and Motor-mounted Apparatus

See General Information for Power Circuit and Motor-mounted Apparatus

SENECA SRL
Via Austria, 26
35127 Padova, PD ITALY

E482586

Current Transducer Model(s) Model T201, T201DCH50-LP, T201DC, T201DCH, T201DC100, T201DCH100, T201DCH300, T201DCH100-LP and T201DCH300-LP

Last Updated on 2016-09-27

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UL Product iQ™

NMTR7.E482586 - POWER CIRCUIT AND MOTOR-MOUNTED APPARATUS CERTIFIED FOR CANADA

Power Circuit and Motor-mounted Apparatus Certified for Canada

See General Information for Power Circuit and Motor-mounted Apparatus Certified for Canada

SENECA SRL E482586
Via Austria, 26
35127 Padova, PD ITALY
Current Transducer Model(s) Model T201, T201DCH50-LP, T201DC, T201DCH, T201DC100, T201DCH100, T201DCH300, T201DCH100-LP and T201DCH300-LP

Last Updated on 2016-09-27

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UL Product iQ™

NRAQ.E306199 - PROGRAMMABLE CONTROLLERS

Programmable Controllers

See General Information for Programmable Controllers

SENECA SRL
Via Austria, 26
35127 Padova, PD ITALY

E306199

Investigated to ANSI/UL 508

Programmable controllers, "Series Z" Model(s) Z109PT2-1, Z109REG2-1, Z109TC2-1, Z109UI2-1, Z170REG-1

Programmable controllers, "Series Z-PC" Model(s) Z-4RTD2-1

Programmable controllers, open type, "Series K" Model(s) K107A, K107B, K107USB, K109PT, K109S, K109TC, K109UI

Programmable controllers, open type, "Series Z" Model(s) Z-4AI-D, Z-4TC-D, Z109PT2, Z109REG2, Z109S-1, Z109TC2, Z109UI2, Z111, Z170REG

Programmable controllers, open type, "Series Z-PC" Model(s) Z-10-D-IN-1, Z-10-D-OUT-1, Z-3AO-1, Z-4RTD2, Z-TWS.02, Z203-1, Z203-2, Z8AI-1

Last Updated on 2016-10-19

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UL Product iQ™

NRAQ7.E306199 - PROGRAMMABLE CONTROLLERS CERTIFIED FOR CANADA

Programmable Controllers Certified for Canada

See General Information for Programmable Controllers Certified for Canada

SENECA SRL
Via Austria, 26
35127 Padova, PD ITALY

E306199

Investigated to CAN/CSA C22.2 No. 142

Programmable controllers, "Series Z" Model(s) Z109PT2-1, Z109REG2-1, Z109TC2-1, Z109UI2-1, Z170REG-1

Programmable controllers, "Series Z-PC" Model(s) Z-4RTD2-1

Programmable controllers, open type, "Series K" Model(s) K107A, K107B, K107USB, K109PT, K109S, K109TC, K109UI

Programmable controllers, open type, "Series Z" Model(s) Z-4AI-D, Z-4TC-D, Z109PT2, Z109REG2, Z109S-1, Z109TC2, Z109UI2, Z111, Z170REG

Programmable controllers, open type, "Series Z-PC" Model(s) Z-10-D-IN-1, Z-10-D-OUT-1, Z-3AO-1, Z-4RTD2, Z-TWS.02, Z203-1, Z203-2, Z8AI-1

Last Updated on 2016-10-19

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UL Product iQ™

VZCA2.E476432 - SURGE-PROTECTIVE DEVICES - COMPONENT

Surge-protective Devices - Component

See General Information for Surge-protective Devices - Component

SENECA SRL E476432
Via Austria, 26
35127 Padova, PD ITALY

Cat No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
S400HV-2	4CA	240	AC	1	n/a	-40	80	L-L L-G L-N N-G	- - - -	2900 2720 2030 1370	320 260 320 260	n/a n/a n/a n/a	20	n/a	2
S400LV-1	4CA	24	AC	1	20	0	55	L-N L-G N-G	- - -	330 600 600	34 34 34	NA NA NA	1	NA	2, 4
	4CA	24	DC	-	20	0	55	DC+- DC- DC+-G DC--G	- - -	330 600 600	34 34 34	n/a n/a n/a	1	NA	2,4

Notes:

1. Suitable for Factory wiring only.

2. Suitable for Field and Factory wiring.

3. Series External Impedance required, see Electrical Ratings in the Recognition report.

4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.

5. Body of discrete component metal-oxide varistors (MOVs) flammability:

a) Min. V-0 or VTM-0.

b) Min. V-1 or VTM-1.

c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.

d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise o use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

Marking: Company name, model designation and the Recognized Component Mark, on the product or on the smallest unit container in which the product is packaged.

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UL Product iQ™

VZCA8.E476432 - SURGE-PROTECTIVE DEVICES CERTIFIED FOR CANADA - COMPONENT

Surge-protective Devices Certified for Canada - Component

See General Information for Surge-protective Devices Certified for Canada - Component

SENECA SRL
Via Austria, 26
35127 Padova, PD ITALY

E476432

Investigated to Other than CSA-C22.2 No. 269

Cat No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
S400LV-1 (dc)	4CA	24	DC	-	20	0	55	DC+- DC- DC+-G DC--G	- - -	330 600 600	34 34 34	n/a n/a n/a	1	NA	2,4

Investigated to CSA C22.2 No. 269

Cat No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
S400HV-2	4CA	240	AC	1	n/a	-40	80	L-L L-G L-N N-G	- - - -	2900 2720 2030 1370	320 260 320 260	n/a n/a n/a n/a	20	n/a	2
S400LV-1	4CA	24	AC	1	20	0	55	L-N L-G N-G	- - -	330 600 600	34 34 34	NA NA NA	1	NA	2, 4

Notes:

1. Suitable for Factory wiring only.

2. Suitable for Field and Factory wiring.

3. Series External Impedance required, see Electrical Ratings in the Recognition report.

4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.

5. Body of discrete component metal oxide varistors (MOVs) flammability:

a) Min. V-1 or VTM-0.

b) Min. V-1 or VTM-1.

c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.

d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or

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Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

Marking: Company name, model designation and the Recognized Component Mark for Canada, c UL us on the product or on the smallest unit container in which the product is packaged.

Last Updated on 2019-07-05

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