

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L510594-11-92600202-2
Report Reference E510594-20200629
Date 8-Jul-2021

Issued to: Autonics Corp
18 Bansong-ro 513beon-gil
Haeundae-gu Busan
Republic of Korea 48002

This is to certify that representative samples of NIPF - Active Opto-electronic Protective Devices
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: See addendum page for Standard(s) for Safety

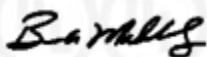
Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

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.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

UL-US-L510594-11-92600202-2
E510594-20200629



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

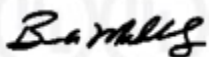
Certificate Number UL-US-L510594-11-92600202-2
Report Reference E510594-20200629
Date 8-Jul-2021

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
SFL, may be followed by A, followed by 14, 20 or 30, followed by 9 to 199, may be followed by blank or X.	Type 4 Light Curtain System

Standard(s) for Safety:

UL 508 Standard For Safety For Industrial Control Equipment
CSA C22.2 No. 14 Industrial Control Equipment
UL 61496-1 Standard For Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests- Edition 1- Revision Date 2011/09/20
UL 61496-2 Electro-sensitive protective Equipment – Part 2: Particular Requirements for equipment using active opto-electronic protective devices (AOPDs)
IEC 61496-1 Standard For Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests-
IEC 61496-2 Electro-sensitive protective Equipment – Part 2: Particular Requirements for equipment using active opto-electronic protective devices (AOPDs)
IEC 61508-1 Functional Safety of Electrical / Electronic / Programmable Electronic Safety-Related Systems, Part 1: General Requirements
IEC 61508-2 Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems – Part 2: Requirements for E/E/PE Safety-Related Systems
IEC 61508-3 Functional Safety of Electrical / Electronic / Programmable Electronic Safety-Related Systems, Part 3: Software Requirements
ISO 13849-1 Safety of Machinery – Safety-Related Parts of Control Systems, Part 1: General Principles for Design, Third Edition
ISO 13849-2 Safety-Related Parts of Control Systems – Part 2: Validation



Bruce Mahrenholz, Director North American Certification Program

UL LLC



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-L510594-21-92600202-1
Report Reference E510594-20200629
Date 8-Jul-2021

Issued to: Autonics Corp
18 Bansong-ro 513beon-gil
Haeundae-gu Busan
Republic of Korea 48002

This is to certify that representative samples of NIPF7 - Active Opto-electronic Protective Devices 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: See addendum page for Standard(s) for Safety

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.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

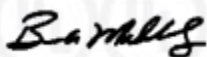
Certificate Number UL-CA-L510594-21-92600202-1
Report Reference E510594-20200629
Date 8-Jul-2021

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
SFL, may be followed by A, followed by 14, 20 or 30, followed by 9 to 199, may be followed by blank or X.	Type 4 Light Curtain System

Standard(s) for Safety:

UL 508 Standard For Safety For Industrial Control Equipment
CSA C22.2 No. 14 Industrial Control Equipment
UL 61496-1 Standard For Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests- Edition 1- Revision Date 2011/09/20
UL 61496-2 Electro-sensitive protective Equipment – Part 2: Particular Requirements for equipment using active opto-electronic protective devices (AOPDs)
IEC 61496-1 Standard For Electro-Sensitive Protective Equipment, Part 1: General Requirements and Tests-
IEC 61496-2 Electro-sensitive protective Equipment – Part 2: Particular Requirements for equipment using active opto-electronic protective devices (AOPDs)
IEC 61508-1 Functional Safety of Electrical / Electronic / Programmable Electronic Safety-Related Systems, Part 1: General Requirements
IEC 61508-2 Functional Safety of Electrical/Electronic/Programmable Electronic Safety-Related Systems – Part 2: Requirements for E/E/PE Safety-Related Systems
IEC 61508-3 Functional Safety of Electrical / Electronic / Programmable Electronic Safety-Related Systems, Part 3: Software Requirements
ISO 13849-1 Safety of Machinery – Safety-Related Parts of Control Systems, Part 1: General Principles for Design, Third Edition
ISO 13849-2 Safety-Related Parts of Control Systems – Part 2: Validation



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

