CERTIFICATE OF COMPLIANCE

Certificate Number	UL-US-2238786-1
Report Reference	E522691-20220930
Date	29-Nov-2022
Issued to:	NOARK ELECTRIC USA INC 2188 Pomona Blvd Pomona, CA 91768 United States
This is to certify that representative samples of	IZMR - Fuseholders, Photovoltaic See Addendum Page for Product Designation(s).
	Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 4248-1, Edition 3, Issue Date 2022-03-31, UL 4248-19, 2nd Ed., Issue Date: 2021-03-31
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance 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.

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

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Certificate Number UL-US-2238786-1
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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
F30P	Fuseholders - Photovoltaic

Deborah Jennings-Conner

Deborah Jennings-Conner, VP Regulatory Services

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CERTIFICATE OF COMPLIANCE

Certificate Number	UL-CA-2237381-1
Report Reference	E522691-20220930
Date	29-Nov-2022
Issued to:	NOARK ELECTRIC USA INC 2188 Pomona Blvd Pomona, CA 91768 United States
This is to certify that representative samples of	IZMR7 - Fuseholders, Photovoltaic Certified for Canada See Addendum Page for Product Designation(s). Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	CSA C22.2 No. 4248.1:22, 3rd Ed., Issue Date: 2022-03-31, CSA C22.2 No. 4248.19:21, 2nd Ed., Issue Date: 2021-03-31
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2237381-1
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Model	Category Description
F30P	Fuseholders - Photovoltaic

Deborah Jennings-Conner

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File E522691
Project 4790520133

September 30, 2022

REPORT

on

FUSEHOLDERS, PHOTOVOLTAIC

NOARK ELECTRIC USA INC
Pomona, CA

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DESCRIPTION

PRODUCT COVERED:

*Fuseholder, Photovoltaic – Type **F30P**

RATINGS:

Cat. No.	Fuse Size	Ampere Ratings	Voltage Rating	Withstand Rating, kA
***F30P**	10x38 mm	30 A	1000 Vdc	50

GENERAL CHARACTER AND USE:

These are 1, and 2 pole fuseholders rated a maximum of 30 A, 1000 Vdc. They are for use on circuits with a maximum available short circuit current of 200 kA.

These fuseholders are designed such that the fuses can be completely separated from the line and load fuseclips by means of a pullout fuse carrier.

These fuseholders are intended for use with photovoltaic fuses of size 10x38 mm only.

These fuseholders have optional open fuse indication.

These fuseholders are intended to be DIN rail mounted.

These fuseholders are not intended to make or break under load.

These fuseholders have spacings of not less than 16.9 mm through air and 22.9 mm over-the-surface of insulating material between any uninsulated live part and an uninsulated live part of opposite polarity and between any uninsulated live part and uninsulated grounded part.

USL – Products designated USL have been investigated using US requirements as noted in the Test Record.

CNL – Products designated CNL have been investigated using Canadian requirements as noted in the Test Record.

NOMENCLATURE:

Catalog Designation for fuse holders

F	30	P	1	L
I	II	III	IV	V

I	Noark UL certified Fuse holder F: Fuse holder
II	Max. rated current 30: 30A
III	Fuse type P: Photovoltaic type
IV	Number of Poles 1: 1P, 2: 2P
V	blank: without indication light L : with indication light

MARKING:

A fuseholder shall be plainly and legibly marked to indicate:

The Listee Name, trademark, or other descriptive marking by which the organization responsible for the product may be identified.

The current and voltage ratings.

The withstand rating in rms DC amperes.

The catalog number or the equivalent.

“Use Photovoltaic (PV) Fuses” or equivalent.

“DO NOT OPEN or REMOVE UNDER LOAD” or equivalent

“Do Not Connect or Disconnect under Load” or equivalent

A fuseholder for a supplemental fuse shall be marked to indicate the size of fuse.

"USE COPPER WIRE ONLY" or with the abbreviation "CU ONLY."

A fuseholder shall be marked in a readily visible location to indicate the required temperature rating of 75°C for all field installed conductors.

A fuseholder shall be marked to indicate the specific tightening torque in newton meters for each wire connector in the fuseholder that is intended for field wiring. If different connectors are used for line or load, the specific torques to be applied to each connector shall be clearly indicated. The torque marking may be provided in a written format or pictorially. English units may also be marked.