

OIML Member State
The Netherlands

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Project number 2507261
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Issuing authority NMi Certin B.V.
Person responsible: M. Boudewijns

Applicant and Manufacturer MEMF ELECTRICAL INDUSTRIES CO.
New Industrial Area Stage 3, Street 179
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Riyadh
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Identification of the certified type **A measuring instrument**
Type: S34U18 (100A)

Characteristics See page 2 and further

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 46-1/-2 (2012) "Active electrical energy meters"

Accuracy class B

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
4 March 2021

Certification Board

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The conformity was established by the results of tests and examinations provided in the associated reports:

- No. NMI-2507261-01 dated 14 January 2021 that includes 58 pages;
- No. NMI-2507261-02 dated 14 January 2021 that includes 12 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.

Table 1 General characteristics

General characteristics	
Meter type	Static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	Two-registers, bi-directional
Terminal arrangement	DIN
Protective class	Category 2
Environmental application	
Ambient temperature range	-10 °C to +70 °C* *tested for the upper temperature of +75 °C on customer request.
Humidity class	H1
IP Rating / environmental use	IP54
Meter quantities	
Nominal voltage (U_{nom})	3x133/230V...3x230/400V
Nominal frequency (f_{nom})	60 Hz
Maximum current (I_{max})	100 A
Transitional current (I_{tr})	1 A ($I_b = 10$ A)
Minimum current (I_{min})	0,5 A
Starting current (I_{st})	0,04 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	S34U18 S09.Y2.J1 M11
Software identification	P3486 2020-06-23 CHECKSUM: 6322

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Revision History

This revision replaces the previous versions.

Revision	Date	Change(s)
Initial	19-01-2021	Initial issue.
1	04-03-2021	Editorial changes: Additional remark added regarding the temperature range.