



OIML Certificate

OIML Member State

The Netherlands



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Issuing authority NMi Certin B.V.

Person responsible: M.Ph.D. Schmidt

Applicant and MEMF ELECTRICAL INDUSTRIES CO. Manufacturer New Industrial Area Stage 3, Street 179

Po box: 3 55989 11383

Rivadh Saudi Arabia

Identification of the

An Active electrical energy meter

certified type

Type: \$34U18 (160A)

Characteristics See following page(s)

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 "title OIML Recommendation"

Accuracy class

В

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 2 April 2024

Certification Board

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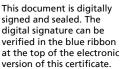
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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMi-2534036-01 dated 14 January 2021 that includes 21 pages;
- No. NMi-2534036-02 dated 14 January 2021 that includes 12 pages;
- No. NMi-3706256-02 dated 2 April 2024 that includes 10 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented. The construction of the measuring instrument is recorded in the Documentation folder no. R46/2012-A-NL1-24.05-1.

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})	3x133/230V3x230/400V	
Nominal frequency (f _{nom})	60 Hz	
Maximum current (I _{max})	160 A	
Transitional current (I _{tr})	2 A (I _b = 20 A)	
Minimum current (I _{min})	1 A	
Starting current (I _{st})	0,08 A	
Meter constant	1.000 imp./kWh	





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Product version	
Hardware version	S34U18 S09.Y2.J2 M20 S34U18 S09.Y2.J2
Software identification	P4281 2020-08-24 checksum: F9EA checksum: 390A

Certificate history:

Revision	Date	Description of the modification
Initial	02-04-2024	Update of certificate R46-2012-A-NL1-21.07. Testing due to addition of communication circuits and power control relay









