



# OIML Certificate

**OIML Member State**  
The Netherlands

Number R46/2012-A-NL1-24.03 revision 0  
Project number 3706256  
Page 1 of 3

Issuing authority NMI Certin B.V.  
Person responsible: M.Ph.D. Schmidt

Applicant and Manufacturer MEMF ELECTRICAL INDUSTRIES CO.  
New Industrial Area Stage 3, Street 179  
Po box: 3 55989 11383  
Riyadh  
Saudi Arabia

Identification of the certified type An **Active electrical energy meter**  
Type: S34U18 (6A)

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 C

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

NMI Certin B.V.  
Thijssseweg 11  
2629 JA Delft  
the Netherlands  
T +31 88 636 2332  
[certin@nmi.nl](mailto:certin@nmi.nl)  
[www.nmi.nl](http://www.nmi.nl)

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMI Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.





# OIML Certificate

**OIML Member State**  
The Netherlands

Number R46/2012-A-NL1-24.03 revision 0  
Project number 3706256  
Page 2 of 3

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

- No. NMI-2534035-01 dated 14 January 2021 that includes 56 pages;
- No. NMI-2534035-02 dated 14 January 2021 that includes 12 pages;
- No. NMI-3706256-01 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-NL1-24.03-1.

**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 +75 °C
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 ( $I_{max}$ )	6 A
Transitional current ( $I_{tr}$ )	0,075 A ( $I_n = 1.5$ A)
Minimum current ( $I_{min}$ )	0,015 A
Starting current ( $I_{st}$ )	0,0015 A
Meter constant	10.000 imp./kWh
Product version	
Hardware version	S34U18 S09.Y2.J1 M20 S34U18 S09.Y2.J2
Software identification	P3742 2020-08-29      checksum: D766 P7301 2023-12-14      checksum: 3B6C



**OIML Member State**  
The Netherlands

# OIML Certificate

Number R46/2012-A-NL1-24.03 revision 0  
Project number 3706256  
Page 3 of 3

## Certificate history:

Revision	Date	Description of the modification
Initial	02-04-2024	Update of certificate R46-2012-A-NL1-21.05. Testing due to addition of communication circuits and power control relay