

Certification No. 2495

This is to certify that the metering equipment identified as:

Type: DDSY1277 Active firmware(s): Id=V1.20
Mgmt. SAP = 1 is "4B4C4530303030303030303030303030" (KLE00000010)
Manufactured by: SHIJIAZHUANG KELIN ELECTRIC CO.,LTD.

has successfully passed the DLMS/COSEM Conformance test, under the following conditions:

- CTT version: CTT 3.1 standard edition, 64bits, release 107
- Licensed to: 20161014_SHIJIAZHUANG_KELIN_ELECTRIC_CO (14-10-2016)
- COSEM object definitions file version: Object_defs_v3.3_released_180601.dat
- Media identifier(s): Abstract, Electricity

Tests	Comm. profile & opening mode	Application contexts	Security features	Date and time	Test Result hash value
Test 1	HDLC, DIRECT_HDLC	LONG_NAMES, LONG_NAMES _WITH_ CIPHERING	GENERAL_GLO_CIPHERING, GENERAL_SIGNING SERVICE_SPECIFIC_DED_ CIPHERING	21-DEC-2020 16:00:44	438BFF6092F6EBB86D4C2FA312097D098 B4C952F4330D3940B6B1BBB9817253C
Test 2	TCP		SERVICE_SPECIFIC_GLO_ CIPHERING, SUITE_0 SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER	23-DEC-2020 17:36:28	2E2273353FD1FACE70B291B8904BBC10D 194FE7283E7267E288E96D687C25A68

This DDSY1277 meter device type has already been certified as Certification No. 2376 tested at 3rd August 2020 with CTT 3.1 release 106 on DIRECT HDLC and TCP communication profiles.

The authenticity of the test report(s) has been verified by the DLMS User Association and the metering equipment identified above is listed on its web site at: www.dlms.com. With this, the manufacturer is entitled to display the DLMS/COSEM Compliant mark – shown below – on its product duly identified and on its product literature.



The test reports are filed by the DLMS UA. Copies are available from the manufacturer.

This Certificate is only valid for the functions successfully tested; see the Summary. The test has been executed on one specimen of the product, as identified by the Management Logical Device Name reported. Results may not be applicable for other test specimens.

Date: Sursee, the 28th December 2020



Sergio Lazzarotto
Executive Director and President



Gyöző Kmethy
President Emeritus



Viktória Varjú
Certification Engineer

Certification No. 2495

Summary of features tested for Test 1

This section provides an overview of the features tested, aggregated over all logical devices and Application Associations in one test session. Full information is available in the Test Result.

```
*****  
* Identification *  
*****
```

```
Identification = {  
  Manufacturer = "\SHIJIAZHANG KELIN ELECTRIC CO.,LTD."  
  FLAGid = "\KLE"  
  Type = "\DDSY1277"  
  SerialNr = "\00000008"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC	36	0	3	0	33	0
APPL	69	0	18	0	51	0
COSEM	1043	0	7	97	939	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC	37	0	19	0	18	0
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

```
Communication profile:          HDLC  
  
Application context names:     LONG_NAMES, LONG_NAMES_WITH_CIPHERING  
  
Authentication mechanisms:     NO_SECURITY, LOW_LEVEL_SECURITY  
                                HIGH_LEVEL_SECURITY_ECDSA  
  
ACSE and xDLMS features:      ACTION, GET, RLRQ_RLRE  
                                SERVICE_SPECIFIC_BLOCK_TRANSFER, SET  
  
Security features:             GENERAL_GLO_CIPHERING, GENERAL_SIGNING  
                                SERVICE_SPECIFIC_DED_CIPHERING  
                                SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0  
                                SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER  
  
Data protection features:      (not collected)  
  
Logical device(s) found:       SAP = 1 is "4B4C453030303030303130" (KLE00000010)  
  
Active firmware(s):           Id=V1.20  
  
COSEM classes tested:          1, 3, 4, 7(1), 8, 9, 15(1), 20, 22, 23(1), 40, 41, 48  
                                64, 64(1), 70, 71  
  
COSEM classes found but not tested: (none)
```

Certification No. 2495

Summary of features tested for Test 2

This section provides an overview of the features tested, aggregated over all logical devices and Application Associations in one test session. Full information is available in the Test Result.

```
*****  
* Identification *  
*****
```

```
Identification = {  
  Manufacturer = "\SHIJIAZHANG KELIN ELECTRIC CO.,LTD."  
  FLAGid = "\KLE"  
  Type = "\DDSY1277"  
  SerialNr = "\00000008"  
}
```

```
*****  
* Summary *  
*****
```

TYPE	TOTAL	SKIPPED	INAPPLICABLE	INCONCLUSIVE	PASSED	FAILED
----	-----	-----	-----	-----	-----	-----
HDLC		All (Communication profile not HDLC)				
APPL	69	0	17	0	52	0
COSEM	1043	0	7	97	939	0
SYMSEC		All (No ciphered association with the required properties)				
PUBSEC	37	0	19	0	18	0
DP	0	0	0	0	0	0
GBT		All (No association with the required properties)				

Communication profile: TCP

Application context names: LONG_NAMES, LONG_NAMES_WITH_CIPHERING

Authentication mechanisms: NO_SECURITY, LOW_LEVEL_SECURITY
HIGH_LEVEL_SECURITY_ECDSA

ACSE and xDLMS features: ACTION, GET, RLRQ_RLRE
SERVICE_SPECIFIC_BLOCK_TRANSFER, SET

Security features: GENERAL_GLO_CIPHERING, GENERAL_SIGNING
SERVICE_SPECIFIC_DED_CIPHERING
SERVICE_SPECIFIC_GLO_CIPHERING, SUITE_0
SUITE_1, SECURITY_ACTIVATE, KEY_TRANSFER

Data protection features: (not collected)

Logical device(s) found: SAP = 1 is "4B4C453030303030303130" (KLE00000010)

Active firmware(s): Id=V1.20

COSEM classes tested: 1, 3, 4, 7(1), 8, 9, 15(1), 20, 22, 23(1), 40, 41, 48
64, 64(1), 70, 71

COSEM classes found but not tested: (none)