CERTIFICADO ◆ 인증서 ◆ CERTIFICATO ◆ 認証書 ◆ CERTIFICATE ◆ 认证证书 ◆ ZERTIFIKAT

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

Certificate of NS Protection

Holder of Certificate: **Anker Solix Innovations Limited**
Flat/RM 829, 8/F, Tower 2
Admiralty Centre, 18 Harcourt Road
Central and Western District
HONG KONG

Product: **Converter (Battery Energy Storage System)**

Model(s): **A17E23Z1-8, A17E23Z1-8-1, A17E23Z1-8-2, A17E23Z1-8-3, A17E23Z1-8-4, A17E23Z1-8-5, A17E23Z1-25, A17E23Z1-25-1, A17E23Z1-25-2, A17E23Z1-25-3, A17E23Z1-25-4, A17E23Z1-25-5, A17E23Z1-35, A17E23Z1-35-1, A17E23Z1-35-2, A17E23Z1-35-3, A17E23Z1-35-4, A17E23Z1-35-5, A17E23Z1-46, A17E23Z1-46-1, A17E23Z1-46-2, A17E23Z1-46-3, A17E23Z1-46-4, A17E23Z1-46-5, A17E24Z1, A17E24Z1-1, A17E24Z1-2, A17E24Z1-3, A17E24Z1-4, A17E24Z1-5**
AE1113Z1-8, AE1113Z1-8-1, AE1113Z1-8-2, AE1113Z1-8-3, AE1113Z1-8-4, AE1113Z1-8-5, AE1113Z1-25, AE1113Z1-25-1, AE1113Z1-25-2, AE1113Z1-25-3, AE1113Z1-25-4, AE1113Z1-25-5, AE1113Z1-35, AE1113Z1-35-1, AE1113Z1-35-2, AE1113Z1-35-3, AE1113Z1-35-4, AE1113Z1-35-5, AE1113Z1-46, AE1113Z1-46-1, AE1113Z1-46-2, AE1113Z1-46-3, AE1113Z1-46-4, AE1113Z1-46-5, AE1114Z1, AE1114Z1-1, AE1114Z1-2, AE1114Z1-3, AE1114Z1-4, AE1114Z1-5

Parameters: See pages 2 to 11

Applicable standards:
VDE-AR-N 4105:2018
DIN VDE V 0124-100 (VDE V 0124-100):2020

This Certificate confirms the compliance with the above listed standards on a voluntary basis. It refers only to the sample submitted to TÜV SÜD Product Service GmbH and does not certify the quality or safety of the serial products. It was issued according to TÜV SÜD Product Service certification program Photovoltaics and Grid Integration. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290253184602

Date, 2026-07-10

Kennen Wang

(Kennen Wang)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

Parameters:

Model	A17E23Z1 -8	A17E23Z1 -8-1	A17E23Z1 -8-2	A17E23Z1 -8-3	A17E23Z1 -8-4	A17E23Z1 -8-5
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	450					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-450					
Maximum charge active power [kW]	3.5	3.68				
Maximum discharge active power [kW]	3.5	4.48				
Maximum charge current [A_{DC}]	9.7	10.2				
Maximum discharge current [A_{DC}]	9.7	12.4				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2					
Maximum continuous input current [A_{AC}]	16					
Maximum continuous input active power from grid to battery [kW]	3.5	3.68				
Grid terminal output parameters						
Rated output current [A_{AC}]	3.5					
Maximum continuous output current [A_{AC}]	3.6					
Rated output active power [kW]	0.8					
Maximum continuous output active power [kW]	0.8					
Maximum continuous output apparent power [kVA]	0.8					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD

Certificate

No. ESY 135260 0038 Rev. 01

Model	A17E23Z1 -25	A17E23Z1 -25-1	A17E23Z1 -25-2	A17E23Z1 -25-3	A17E23Z1 -25-4	A17E23Z1 -25-5
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	450					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-450					
Maximum charge active power [kW]	3.5	3.68				
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	10.2				
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2					
Maximum continuous input current [A_{AC}]	16					
Maximum continuous input active power from grid to battery [kW]	3.5	3.68				
Grid terminal output parameters						
Rated output current [A_{AC}]	10.9					
Maximum continuous output current [A_{AC}]	11.4					
Rated output active power [kW]	2.5					
Maximum continuous output active power [kW]	2.5					
Maximum continuous output apparent power [kVA]	2.5					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

Model	A17E23Z1 -35	A17E23Z1 -35-1	A17E23Z1 -35-2	A17E23Z1 -35-3	A17E23Z1 -35-4	A17E23Z1 -35-5
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	450					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-450					
Maximum charge active power [kW]	3.5	3.68				
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	10.2				
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2					
Maximum continuous input current [A_{AC}]	16					
Maximum continuous input active power from grid to battery [kW]	3.5	3.68				
Grid terminal output parameters						
Rated output current [A_{AC}]	15.2					
Maximum continuous output current [A_{AC}]	16					
Rated output active power [kW]	3.5					
Maximum continuous output active power [kW]	3.5					
Maximum continuous output apparent power [kVA]	3.68					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD

Certificate

No. ESY 135260 0038 Rev. 01

Model	A17E23Z1 -46	A17E23Z1 -46-1	A17E23Z1 -46-2	A17E23Z1 -46-3	A17E23Z1 -46-4	A17E23Z1 -46-5
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	450					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-450					
Maximum charge active power [kW]	3.5	4.6				
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	12.8				
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	20					
Maximum continuous input current [A_{AC}]	20.9					
Maximum continuous input active power from grid to battery [kW]	3.5	4.6				
Grid terminal output parameters						
Rated output current [A_{AC}]	15.2	20				
Maximum continuous output current [A_{AC}]	16	22.7				
Rated output active power [kW]	3.5	4.6				
Maximum continuous output active power [kW]	3.5	4.6				
Maximum continuous output apparent power [kVA]	3.68	5				
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

Model	A17E24Z1	A17E24Z1-1	A17E24Z1-2	A17E24Z1-3	A17E24Z1-4	A17E24Z1-5
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	450					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-450					
Maximum charge active power [kW]	3.5	4.6				
Maximum discharge active power [kW]	3.5	4.6				
Maximum charge current [A_{DC}]	9.7	12.8				
Maximum discharge current [A_{DC}]	9.7	12.8				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2	20				
Maximum continuous input current [A_{AC}]	16	20.9				
Maximum continuous input active power from grid to battery [kW]	3.5	4.6				
Grid terminal output parameters						
Rated output current [A_{AC}]	15.2	20				
Maximum continuous output current [A_{AC}]	16	22.7				
Rated output active power [kW]	3.5	4.6				
Maximum continuous output active power [kW]	3.5	4.6				
Maximum continuous output apparent power [kVA]	3.68	5				
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD

Certificate

No. ESY 135260 0038 Rev. 01

Model	AE1113Z1 -8	AE1113Z1 -8-1	AE1113Z1 -8-2	AE1113Z1 -8-3	AE1113Z1 -8-4	AE1113Z1 -8-5
PV terminal input/output parameters						
Maximum PV voltage [V_{DC}]	600					
Rated input voltage [V_{DC}]	360					
MPPT voltage range (full load) [V_{DC}]	277.8-500					
MPPT voltage range [V_{DC}]	30-550					
Maximum input current (per-channel MPPT) [A_{DC}]	18/18/18					
Maximum PV short circuit current [A_{DC}]	25/25/25					
MPPT tracker number	3					
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	600					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-600					
Maximum charge active power [kW]	3.5	7	10			
Maximum discharge active power [kW]	3.5	4.48				
Maximum charge current [A_{DC}]	9.7	19.4	27.8			
Maximum discharge current [A_{DC}]	9.7	12.4				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2					
Maximum continuous input current [A_{AC}]	16					
Maximum continuous input active power from grid to battery [kW]	3.5	3.68				
Grid terminal output parameters						
Rated output current [A_{AC}]	3.5					
Maximum continuous output current [A_{AC}]	3.6					
Rated output active power [kW]	0.8					
Maximum continuous output active power [kW]	0.8					
Maximum continuous output apparent power [kVA]	0.8					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD

Certificate

No. ESY 135260 0038 Rev. 01

Model	AE1113Z1 -25	AE1113Z1 -25-1	AE1113Z1 -25-2	AE1113Z1 -25-3	AE1113Z1 -25-4	AE1113Z1 -25-5
PV terminal input/output parameters						
Maximum PV voltage [V_{DC}]	600					
Rated input voltage [V_{DC}]	360					
MPPT voltage range (full load) [V_{DC}]	277.8-500					
MPPT voltage range [V_{DC}]	30-550					
Maximum input current (per-channel MPPT) [A_{DC}]	18/18/18					
Maximum PV short circuit current [A_{DC}]	25/25/25					
MPPT tracker number	3					
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	600					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-600					
Maximum charge active power [kW]	3.5	7	10			
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	19.4	27.8			
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2					
Maximum continuous input current [A_{AC}]	16					
Maximum continuous input active power from grid to battery [kW]	3.5	3.68				
Grid terminal output parameters						
Rated output current [A_{AC}]	10.9					
Maximum continuous output current [A_{AC}]	11.4					
Rated output active power [kW]	2.5					
Maximum continuous output active power [kW]	2.5					
Maximum continuous output apparent power [kVA]	2.5					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD

Certificate

No. ESY 135260 0038 Rev. 01

Model	AE1113Z1 -35	AE1113Z1 -35-1	AE1113Z1 -35-2	AE1113Z1 -35-3	AE1113Z1 -35-4	AE1113Z1 -35-5
PV terminal input/output parameters						
Maximum PV voltage [V_{DC}]	600					
Rated input voltage [V_{DC}]	360					
MPPT voltage range (full load) [V_{DC}]	277.8-500					
MPPT voltage range [V_{DC}]	30-550					
Maximum input current (per-channel MPPT) [A_{DC}]	18/18/18					
Maximum PV short circuit current [A_{DC}]	25/25/25					
MPPT tracker number	3					
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	600					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-600					
Maximum charge active power [kW]	3.5	7	10			
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	19.4	27.8			
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	15.2					
Maximum continuous input current [A_{AC}]	16					
Maximum continuous input active power from grid to battery [kW]	3.5	3.68				
Grid terminal output parameters						
Rated output current [A_{AC}]	15.2					
Maximum continuous output current [A_{AC}]	16					
Rated output active power [kW]	3.5					
Maximum continuous output active power [kW]	3.5					
Maximum continuous output apparent power [kVA]	3.68					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

Model	AE1113Z1 -46	AE1113Z1 -46-1	AE1113Z1 -46-2	AE1113Z1 -46-3	AE1113Z1 -46-4	AE1113Z1 -46-5
PV terminal input/output parameters						
Maximum PV voltage [V_{DC}]	600					
Rated input voltage [V_{DC}]	360					
MPPT voltage range (full load) [V_{DC}]	277.8-500					
MPPT voltage range [V_{DC}]	30-550					
Maximum input current (per-channel MPPT) [A_{DC}]	18/18/18					
Maximum PV short circuit current [A_{DC}]	25/25/25					
MPPT tracker number	3					
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	600					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-600					
Maximum charge active power [kW]	3.5	7	10			
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	19.4	27.8			
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	20					
Maximum continuous input current [A_{AC}]	20.9					
Maximum continuous input active power from grid to battery [kW]	3.5	4.6				
Grid terminal output parameters						
Rated output current [A_{AC}]	20					
Maximum continuous output current [A_{AC}]	22.7					
Rated output active power [kW]	4.6					
Maximum continuous output active power [kW]	4.6					
Maximum continuous output apparent power [kVA]	5					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

TÜV SÜD

Certificate

No. ESY 135260 0038 Rev. 01

Model	AE1114Z1	AE1114Z1-1	AE1114Z1-2	AE1114Z1-3	AE1114Z1-4	AE1114Z1-5
PV terminal input/output parameters						
Maximum PV voltage [V_{DC}]	600					
Rated input voltage [V_{DC}]	360					
MPPT voltage range (full load) [V_{DC}]	277.8-500					
MPPT voltage range [V_{DC}]	30-550					
Maximum input current (per-channel MPPT) [A_{DC}]	18/18/18					
Maximum PV short circuit current [A_{DC}]	25/25/25					
MPPT tracker number	3					
Battery terminal input/output parameters						
Battery type	Lithium-ion					
Maximum voltage [V_{DC}]	600					
Battery rated voltage [V_{DC}]	400					
Battery voltage range [V_{DC}]	360-600					
Maximum charge active power [kW]	3.5	7	10			
Maximum discharge active power [kW]	3.5	5				
Maximum charge current [A_{DC}]	9.7	19.4	27.8			
Maximum discharge current [A_{DC}]	9.7	13.9				
Grid terminal input parameters						
Rated voltage [V_{AC}]	1L+N+PE, 230					
Rated frequency [Hz]	50					
Rated input current [A_{AC}]	20					
Maximum continuous input current [A_{AC}]	20.9					
Maximum continuous input active power from grid to battery [kW]	3.5	4.6				
Grid terminal output parameters						
Rated output current [A_{AC}]	20					
Maximum continuous output current [A_{AC}]	22.7					
Rated output active power [kW]	4.6					
Maximum continuous output active power [kW]	4.6					
Maximum continuous output apparent power [kVA]	5					
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)					

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

E.6 Certificate of the network and system protection

Certificate of NS protection		
Manufacturer	Anker Solix Innovations Limited	
Type of NS protection	Integrated NS protection	
Central NS protection	☐	
Integrated NS protection	☒	Assigned to power generation unit of type: A17E23Z1-8, A17E23Z1-8-1, A17E23Z1-8-2, A17E23Z1-8-3, A17E23Z1-8-4, A17E23Z1-8-5, A17E23Z1-25, A17E23Z1-25-1, A17E23Z1-25-2, A17E23Z1-25-3, A17E23Z1-25-4, A17E23Z1-25-5, A17E23Z1-35, A17E23Z1-35-1, A17E23Z1-35-2, A17E23Z1-35-3, A17E23Z1-35-4, A17E23Z1-35-5, A17E23Z1-46, A17E23Z1-46-1, A17E23Z1-46-2, A17E23Z1-46-3, A17E23Z1-46-4, A17E23Z1-46-5, A17E24Z1, A17E24Z1-1, A17E24Z1-2, A17E24Z1-3, A17E24Z1-4, A17E24Z1-5, AE1113Z1-8, AE1113Z1-8-1, AE1113Z1-8-2, AE1113Z1-8-3, AE1113Z1-8-4, AE1113Z1-8-5, AE1113Z1-25, AE1113Z1-25-1, AE1113Z1-25-2, AE1113Z1-25-3, AE1113Z1-25-4, AE1113Z1-25-5, AE1113Z1-35, AE1113Z1-35-1, AE1113Z1-35-2, AE1113Z1-35-3, AE1113Z1-35-4, AE1113Z1-35-5, AE1113Z1-46, AE1113Z1-46-1, AE1113Z1-46-2, AE1113Z1-46-3, AE1113Z1-46-4, AE1113Z1-46-5, AE1114Z1, AE1114Z1-1, AE1114Z1-2, AE1114Z1-3, AE1114Z1-4, AE1114Z1-5.
Network connection rule	**VDE-AR-N 4105:2018-11 “Generators connected to the low-voltage distribution network”** Technical minimum requirements for connection and parallel operation of power generation systems connected to the low-voltage network	
Test requirement	**DIN VDE V 0124-100 (VDE V 0124-100):2020-06 “Network integration of power generation systems – Low voltage”** Test requirements for power generation units intended for connection to and parallel operation on the low-voltage network	
Test report	64.290.25.31846.02 from 2026-07-06	
The network and system protection designated above meets the requirements of VDE-AR-N 4105:2018-11.		

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

E.7 Requirements for the test report for the NS protection

Extract from test report for NS protection "Determination of electrical properties"		
NS protection test report		
Type of NS system:	Integrated NS protection	Other Manufacturer indications
Software version:	A17E24Z1, A17E23Z1 series V1.0 AE1113Z1, AE1114Z1 series: V1.0.0.57	
Manufacturer:	Anker Solix Innovations Limited Flat/RM 829, 8/F, Tower 2, Admiralty Centre, 18 Harcourt Road, Central and Western District, HONG KONG	
Measuring period:	From 2026-01-26 to 2026-05-06, 2026-05-20 to 2026-05-22	

	Inverter		
Protection function	**Setting value**	**Tripping value**	**Tripping time NS protection***
Rise-in-voltage protection *U* >>	1.25 * U_n	L1-N: 289.72V; L1-N: 289.78V; L1-N: 289.78V;	L1-N: 119.70ms; L1-N: 125.10ms; L1-N: 124.61ms;
Rise-in-voltage protection *U* >	1.10 * U_n	1.10 * U_n	ms**
Voltage drop protection *U* <	0.8 * U_n	L1-N: 183.74V; L1-N: 183.74V; L1-N: 183.74V;	L1-N: 3.01s; L1-N: 3.01s; L1-N: 3.02s;
Voltage drop protection *U* <<	0.45 * U_n	L1-N: 102.75V; L1-N: 102.76V; L1-N: 102.73V;	L1-N: 310.62ms; L1-N: 314.20ms; L1-N: 317.23ms;
Frequency decrease protection *f* <	47.5 Hz	47.50Hz 47.50Hz 47.50Hz	125.71ms 128.41ms 138.24ms
Frequency increase protection *f* >	51.5 Hz	51.48Hz 51.48Hz 51.48Hz	111.61ms 125.99ms 120.32ms

*: The tripping time includes the period from the limit value violation *U*/*f* until the tripping signal to the interface switch.

When planning the power generation system, the response time of the interface switch shall be added to the maximum time value obtained as indicated above.

The disconnection time (sum of tripping time of the NS protection plus response time of the interface switch) shall not exceed 200 ms.

**: Verification disconnection time of moving 10-min-average value.

Disconnecting time as below:

1. 504.85s (L1-N from 600s@U_n to 112%U_n)
2. Continuous operation (L1-N from 600s@U_n to 108%U_n)
3. 307.19s (L1-N from 600s@106%U_n to 114%U_n)

☑ **as integrated NS protection**

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

DAkkS Deutsche Akkreditierungsstelle D-ZE-11321-01-00

Certificate

No. ESY 135260 0038 Rev. 01

Assigned to power generation unit type	A17E23Z1-8, A17E23Z1-8-1, A17E23Z1-8-2, A17E23Z1-8-3, A17E23Z1-8-4, A17E23Z1-8-5, A17E23Z1-25, A17E23Z1-25-1, A17E23Z1-25-2, A17E23Z1-25-3, A17E23Z1-25-4, A17E23Z1-25-5, A17E23Z1-35, A17E23Z1-35-1, A17E23Z1-35-2, A17E23Z1-35-3, A17E23Z1-35-4, A17E23Z1-35-5, A17E23Z1-46, A17E23Z1-46-1, A17E23Z1-46-2, A17E23Z1-46-3, A17E23Z1-46-4, A17E23Z1-46-5, A17E24Z1, A17E24Z1-1, A17E24Z1-2, A17E24Z1-3, A17E24Z1-4, A17E24Z1-5, AE1113Z1-8, AE1113Z1-8-1, AE1113Z1-8-2, AE1113Z1-8-3, AE1113Z1-8-4, AE1113Z1-8-5, AE1113Z1-25, AE1113Z1-25-1, AE1113Z1-25-2, AE1113Z1-25-3, AE1113Z1-25-4, AE1113Z1-25-5, AE1113Z1-35, AE1113Z1-35-1, AE1113Z1-35-2, AE1113Z1-35-3, AE1113Z1-35-4, AE1113Z1-35-5, AE1113Z1-46, AE1113Z1-46-1, AE1113Z1-46-2, AE1113Z1-46-3, AE1113Z1-46-4, AE1113Z1-46-5, AE1114Z1, AE1114Z1-1, AE1114Z1-2, AE1114Z1-3, AE1114Z1-4, AE1114Z1-5.
Integrated interface switch type	Series-connected relays for all phase conductors each Relay type: CHFN-V-112H1A2F(43A)
Response time of interface switch for integrated NS protection	Release time: Max. 10 ms
Verification of the entire functional chain “integrated NS protection – interface switch” has resulted in successful disconnection.	☑