CERTIFICATE

Issued to:
Applicant:
ABB S.P.A.
Via Vittor Pisani 16
20124 Milano, Italy

Licensee:
ABB S.p.A.
Viale dell'Industria 18
20009 Vittuone (MI), Italy

Product	:	Residual current operated circuit-breaker (RCCBs)
Trade name(s)	:	AEG
Type(s)/model(s)	:	FN series

The product and any acceptable variation thereto as specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to EN 61008-1:2012, EN 61008-1:2012/A1:2014, EN 61008-1:2012/A2:2014, EN 61008-1:2012/A11:2015, EN 61008-1:2012/A12:2017, EN 61008-2-1:1994 and EN 61008-2-1:1994/A11:1998
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6065705

DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 19 October 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-131657

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

H.L. Schendstok
Certification Manager

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

71-131657

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra.nl Company registration 09085396

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Residual current operated circuit-breaker (RCCBs)
Trade name(s)	:	AEG
Type(s)/model(s)	:	FN../A30, FN../A300, FN../A500, FN../AC30, FN../AC300, FN../AS300, FN../AS500, FN../Ai30 and FN../Si300
Rated impulse withstand voltage (Uimp)	:	4 kV
Rated current (In)	:	25 A, 40 A, 63 A
Rated frequency	:	50 Hz
Rated making and breaking capacity (Im)	:	500 A or 10 In, whichever is the greater
Rated residual making and breaking capacity (IΔm)	:	500 A or 10 In, whichever is the greater
Rated conditional short-circuit current (Inc)	:	10 kA
Rated conditional residual short-circuit current (IΔc)	:	10 kA
Method of operation	:	functionally independent of line voltage
Type of installation	:	for fixed installation and fixed wiring
Number of poles	:	2 poles 4 poles (3-pole + N)
Protection against external influences	:	unenclosed
Method of mounting	:	distribution board type
Method of connection	:	the electrical connections of RCCBs are not associated with the mechanical mounting
Safety distance "a" (grid)	:	35 mm
Type of terminals	:	pillar terminal
Range of ambient air temperature	:	-25 ºC to +40 ºC

Product data – type FN../A30

Rated operational voltage (Ue)	:	230 Vac for 2-Pole RCCB 400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	30 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type for general use
Description	:	The first digit in the type reference denotes the number of poles, it can be 2 or 4 The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

Product data – type FN../A300

Rated operational voltage (Ue)	:	230 Vac for 2-Pole RCCB 400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	300 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type for general use
Description	:	The first digit in the type reference denotes the number of poles, it can be 2 or 4 The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

Product data – type FN../A500

Rated operational voltage (Ue)	:	400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	500 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type for general use
Description	:	The first digit in the type reference denotes the number of poles, it can be 4 only The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

Product data – type FN../AC30

Rated operational voltage (Ue)	:	230 Vac for 2-Pole RCCB 400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	30 mA
Behaviour in presence of d.c. components	:	type AC
Time-delay	:	type for general use
Description	:	The first digit in the type reference denotes the number of poles, it can be 2 or 4 The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

Product data – type FN../AC300

Rated operational voltage (Ue)	:	230 Vac for 2-Pole RCCB 400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	300 mA
Behaviour in presence of d.c. components	:	type AC
Time-delay	:	type for general use
Description	:	The first digit in the type reference denotes the number of poles, it can be 2 or 4 The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

Product data – type FN../Ai30

Rated operational voltage (Ue)	:	230 Vac for 2-Pole RCCB 400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	30 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type for general use
Description	:	type Ai RCCBs are type A RCCBs with a short time-delay (not type S time-delay) The first digit in the type reference denotes the number of poles, it can be 2 or 4 The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

Product data – type FN../AS300

Rated operational voltage (Ue)	:	400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	300 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type S for selectivity
Description	:	The first digit in the type reference denotes the number of poles, it can be 4 only The second digit in the type reference denotes the rated current, it can be 40 or 63

Product data – type FN../AS500

Rated operational voltage (Ue)	:	400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	500 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type S for selectivity
Description	:	The first digit in the type reference denotes the number of poles, it can be 4 only The second digit in the type reference denotes the rated current, it can be 63 only

Product data – type FN../Si300

Rated operational voltage (Ue)	:	230 Vac for 2-Pole RCCB 400 Vac for 3-pole + N RCCB
Rated residual operating current (IΔn)	:	300 mA
Behaviour in presence of d.c. components	:	type A
Time-delay	:	type S for selectivity
Description	:	The first digit in the type reference denotes the number of poles, it can be 2 or 4 The second digit in the type reference denotes the rated current, it can be 25, 40 or 63

TESTS

Test requirements
EN 61008-1:2012
EN 61008-1:2012/A1:2014
EN 61008-1:2012/A2:2014
EN 61008-1:2012/A11:2015
EN 61008-1:2012/A12:2017
EN 61008-2-1:1994
EN 61008-2-1:1994/A11:1998

Test result
The test results are laid down in DEKRA test file 227923700.

Additional information
Example of type reference:
FN225/A30 (2-pole, In 25 A, type A, IΔn 30 mA)

Conclusion
The examination proved that all requirements were met.

Factory location
ABB S.p.A.
Via Ardeatina 2491
00134 Santa Palomba (RM), Italy