

CERTIFICATE

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

Manufacturer/Licensee:
ABB S.p.A.
ABB SACE Division
Viale delle Industrie 18
20010 Vittuone (MI), Italy

Product(s) : rccb's with overcurrent protection (rcbo)
Trade name(s) : ABB
Type(s)/model(s) : DS203NC

The product and any acceptable variation thereto is 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 the standard EN 61009-1:2012; EN 61009-2-1:1994;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900107

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 1 June 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2181527.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	: rccb's with overcurrent protection (rcbo)
trade name(s)	: ABB
type(s)	: DS203NC
design	: - functionally independent of line voltage - with integral over-current protection
rated current (In)	: 6 A, 8 A, 10 A, 13 A, 16 A, 20 A, 25 A, 32 A
rated residual current (I _{Δn})	: 30 mA, 100 mA, 300 mA for type A, type AC and type APR 100 mA, 300 mA for type AS
rated operational voltage (U _e)	: 400 Vac
number of poles	: 3-pole + N
protected poles	: phase poles protected
behaviour to d.c. components	: type A, type AC, type APR, type AS
time delay	: without time delay for type A, type AC, type APR type S time delay for type AS
range of instantaneous tripping overcurrent	: B-type and C-type for type A and type AC C-type for type APR and type AS
rated short-circuit capacity (I _{cn})	: 6000 A
rated service short-circuit capacity (I _{cs})	: 6000 A
rated residual making and breaking capacity (I _{Δm})	: 6000 A
safety distance	: 35 mm
temperature limit	: -25 °C to +40 °C
reference ambient temperature	: 30 °C
rated frequency	: 50 Hz
rated impulse withstand voltage (U _{imp})	: 4 kV
method of mounting	: flush-type, for mounting in distribution board
terminal	: pillar type
degree of protection	: IP20

Additional information

The RCBOs type APR have an intentional short time delay but comply with the requirement for type of general use.

The RCBOs type AS and other RCBOs have the same fundamental basic design while RCBOs type AS have an associated electronic circuit.

TESTS**Test requirements**

EN 61009-1:2012 +A1:2014 +A2:2014

EN 61009-2-1:1994 +A11:1998

Test result

The test results are laid down in DEKRA test file 2181527.01.

Remarks

This certificate is based on CCA Notification of Test Results NTR/30772/IMQ, with TRF Nos. PB15A0360678-02-00 ... -24.

Conclusion

The examination proved that all test requirements were met.

Tested by : IMQ

Checked by : F. Fu

A handwritten signature in blue ink, appearing to be "F. Fu", is written over the text "Checked by : F. Fu".**Factory locations**

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Italy