

# CERTIFICATE

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

Licensee:  
**ABB S.p.A.**  
Viale dell' Industria 18  
20010 Vittuone (MI), Italy

Product : Residual current operated circuit-breaker (RCCB)  
Trade name(s) : ABB  
Type(s)/model(s) : F200

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 61008-1:2012, EN 61008-1:2012/A1:2014, EN 61008-1:2012/A2:2014, EN 61008-1:2012/A11:2015, EN 61008-2-1:1994 and EN 61008-2-1:1994/A11:1998
- 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 16 May 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-103128

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Rosa Zhou  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Residual current operated circuit-breaker (RCCB)
Trade name(s)	: ABB
Type(s)/model(s)	: F200
Design	: without integral overcurrent protection, functionally independent of line voltage
Rated current (In)	: 16 A, 25 A, 32 A, 40 A, 63 A, 80 A, 100 A
Rated residual current (I $\Delta$ n)	: 10 mA, 30 mA, 100 mA, 300 mA, 500 mA, 1000 mA
Rated operational voltage (Un) / number of poles	: 230 V~ / 2 poles 400 V~ / 3 poles + neutral
Behaviour to d.c. components	: types A, AC, AS, ACS
Temperature limit	: -25°C to +40°C
Rated making and breaking capacity (Im)	: 1000 A
Rated residual making and breaking capacity (I $\Delta$ m)	: 1000 A
Rated conditional short-circuit current (Inc)	: 10 kA
Rated conditional residual short- circuit current (I $\Delta$ c)	: 10 kA
Safety distance ("a", grid)	: 35 mm
Non-tripping capability due to impulse currents	: 200 A - 0,5/10 $\mu$ s
Method of mounting	: flush-type, for mounting on top hat rail
Terminals	: pillar terminals
Degree of protection	: IP20
Markings	: tradename, type designation and electrical ratings are shown on the body

**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 61008-2-1:1994  
EN 61008-2-1:1994/A11:1998

**Test result**

The test results are laid down in DEKRA test file 222228400.

**Additional information**

This certificate replaces certificate No. 2168997.01 which we herewith declare invalid.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

ABB S.p.A.

Via Ardeatina 2491

00134 Santa Palomba (RM), Italy

**Additional information**  
**Nomenclature breakdown**

Series F20x xxx-xx / xxx xxx  
a b c - d e f

**a basic type reference**

**b number of poles**

2 = 2 poles

4 = 3 poles + neutral

**c operating characteristic**

A = type A

AC = type AC

AS = type AS

ACS = type ACS

**d rated current:**

16 = 16 A

25 = 25 A

32 = 32 A

40 = 40 A

63 = 63 A

80 = 80 A

100 = 100 A

**e rated residual current:**

0,01 = 10 mA

0,03 = 30 mA

0,1 = 100 mA

0,3 = 300 mA

0,5 = 500 mA

1 = 1000 mA

**f version**

blank = standard version

G = type G

AP-R = type AP-R

T = type T

TG = type T and type G