# LICENCE



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

Licensee: ABB S.p.A. Via Vittor Pisani, 16 20124 MILANO Italy



ВE

Product	rccb's with overcurrent protection (rcbo)
Trade name(s)	ABB
Type(s)/model(s)	Series DS301C

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 1076

SGS CEBEC hereby grants the right to use the CEBEC certification mark

The CEBEC certification mark may be applied to the product as specified in this licence for the duration of the CEBEC certification agreement and under the conditions of the CEBEC certification agreement.

This licence is issued on

15/04/2022

ir. C. Lana. **Certification Manager** 

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# SGS

#### SPECIFICATION OF THE CERTIFIED PRODUCT

#### Product data

Product	SGSGSG SGSGSG SGSGSG	rccb's with overcurrent protection (rcbo)
Trade name(s)	SCSCSC SCSCSC SCSCSC	ABB
Type(s)/Model(s)	SGSGSG SGSGSG SGSGSG	Series DS301C
number of poles	SGSGSG SGSGSG SGSGSG	1P+N
rated voltage (Un)		230 V
nature of supply	Sesese Secese Secese	AC
rated frequency		50 Hz
rated current (In)		6 up to 20 A
range of instantaneous tripping overcurrent (curve)	SGSGSG SGSGSG SGSGSG SGSGSG SGSGSG SGSGSG	B, C
rated residual current (Idn)		30 mA
residual current type	GSGSG GSGSG	A - AC
rated residual making and breaking capacity (Idm)	<b>y</b> :	4500 A or 6000 A
rated short-circuit current (lcn)		6000 A
energy limiting class	GSGSG GSGSG GSGSC	
safety distance 'a'		35 mm
method of operation		independent of the line
method of mounting		distribution board
terminals		with stirrup
rated ambient temperature (ta)	GSGSGS GSGSGS GSGSGS	-25°C to +40 °C
protection against electric shock	GEGSCS GEGSCS GEGSCS	IP 20

#### **Additional information**

See Appendix



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#### TESTS

#### **Test requirements**

NBN EN 61009-1 based on EN 61009-1:2012 + A11:2015 + A1:2014 + A2:2014

#### **Test results**

The test results are laid down in certification file ref.632762/01

#### Remarks

This certificate is based on certificate ref. NTR/31148/IMQ and test report(s) ref. PB21-0070707-01-00, PB21-0070707-01-01 to PB21-0070707-01-11 and PB21-0070715-01

#### Conclusion

The examination proved that all certification requirements were met.

Reviewed by, project leader

: Silvio Piras - 15/04/2022

**Certification Manager** 

ano 2022-04-15



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## FACTORY LOCATION(S)

ABB S.p.A. Via Ardeatina, 2491 00134 Santa Palomba (ROMA) Italy

SGS Belgium NV-Division SGS CEBEC Business Riverside Park Bld Internationalelaan 55 Build. K B-1070 Brussels Tel.+32(0)2 556 00 20 Fax.+32(0)2 556 00 36

# Product References:

### **RCBOs Series DS301C**

Type reference	Curve	Rated current (I <sub>n</sub> )	Туре	Rated residual operating current (I $_{\Delta n}$ )	Rated residual making and breaking capacity (I_ $\Delta m$ )
2CSR255163R1065 ( <sup>1</sup> ) 2CSR255163U1065 ( <sup>2</sup> )	в	6 A	A	30 mA	6000 A
2CSR255163R1105 ( <sup>1</sup> ) 2CSR255163U1105 ( <sup>2</sup> )	• B	10 A	A	30 mA	6000 A
2CSR255163R1135 ( <sup>1</sup> ) 2CSR255163U1135 ( <sup>2</sup> )	В	13 A	A	30 mA	6000 A
2CSR255163R1165 ( <sup>1</sup> ) 2CSR255163U1165 ( <sup>2</sup> )	B	16 A	A	30 mA	6000 A
2CSR255163R1205 ( <sup>1</sup> ) 2CSR255163U1205 ( <sup>2</sup> )	в	20 A	A	30 mA	4500 A
2CSR255163R1064 ( <sup>1</sup> ) 2CSR255163U1064 ( <sup>2</sup> )	C	6 A	Â	30 mA	6000 A
2CSR255163R1104 ( <sup>1</sup> ) 2CSR255163U1104 ( <sup>2</sup> )	С	10 A	A	30 mA	6000 A
2CSR255163R1134 ( <sup>1</sup> ) 2CSR255163U1134 ( <sup>2</sup> )	С	13 A	A	30 mA	6000 A
2CSR255163R1164 ( <sup>1</sup> ) 2CSR255163U1164 ( <sup>2</sup> )	с	16 A	BEC	30 mA	6000 A
2CSR255163R1204 ( <sup>1</sup> ) 2CSR255163U1204 ( <sup>2</sup> )	с	20 A	A	30 mA	4500 A
2CSR255063R1065 ( <sup>1</sup> ) 2CSR255063U1065 ( <sup>2</sup> )	В	6 A	AC	30 mA	6000 A
2CSR255063R1105 ( <sup>1</sup> ) 2CSR255063U1105 ( <sup>2</sup> )	в	10 A	AC	30 mA	6000 A
2CSR255063R1135 ( <sup>1</sup> ) 2CSR255063U1135 ( <sup>2</sup> )	в	13 A	AC	30 mA	6000 A
2CSR255063R1165 ( <sup>1</sup> ) 2CSR255063U1165 ( <sup>2</sup> )	В	16 A	AC	30 mA	6000 A
2CSR255063R1205 ( <sup>1</sup> ) 2CSR255063U1205 ( <sup>2</sup> )	В	20 A	AC	30 mA	4500 A
2CSR255063R1064 ( <sup>1</sup> ) 2CSR255063U1064 ( <sup>2</sup> )	• C •	6 A	AC	30 mA	4500 A
2CSR255063R1104 ( <sup>1</sup> ) 2CSR255063U1104 ( <sup>2</sup> )	¢	10 A	AC	30 mA	4500 A
2CSR255063R1134 ( <sup>1</sup> ) 2CSR255063U1134 ( <sup>2</sup> )	С	13 A	AC	30 mA	4500 A
2CSR255063R1164 ( <sup>1</sup> ) 2CSR255063U1164 ( <sup>2</sup> )	С	16 A	AC	30 mA	4500 A
2CSR255063R1204 ( <sup>1</sup> ) 2CSR255063U1204 ( <sup>2</sup> )	С	20 A	AC	30 mA	3000 A

(1)- RCBOs sold in single packs

(2)- RCBOs sold in packs of many