



TYPE APPROVAL CERTIFICATE
No. ELE084013XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Contactors-Motor Starters and Auxiliary Contactors
<i>Type</i>	AF09...AF96; Auxiliary contacts (Accessories); NF
<i>Applicant</i>	ABB FRANCE 3 RUE JEAN PERRIN CS 90009 69687 CHASSIEU CEDEX FRANCE
<i>Manufacturer</i>	ABB FRANCE
<i>Place of manufacture</i>	3 RUE JEAN PERRIN CS 90009 69687 CHASSIEU CEDEX FRANCE
<i>Reference standards</i>	IEC 60947-4-1:2000 (ed.2)+A1:2002+A2:2005; IEC 60947-5-1: ed. 4 (2003).

Issued in **HAMBURG** on **August 21, 2013**. This Certificate is valid until **August 20, 2018**




RINA

Giuseppe Russo

This certificate consists of this page and 1 enclosure

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AF09...AF96

Auxiliary contacts (Accessories)

NF

AF09...AF38 3-pole Contactors AC/DC operated – with Screw & Spring Terminals

Contactor type:	<u>AF09</u>	<u>AF12</u>	<u>AF16</u>
Maximum Rated voltage Ue:	690 V AC	690 V AC	690 V AC
Rated frequency:	50/60 Hz	50/60 Hz	50/60 Hz

Main contacts:

Rated op. current Ie (AC1, 40°C):	25 A	28 A	32 A
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Rated operational load

utilization category AC3 (400 V):	4,0 kW	5,5 kW	7,5 kW
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	9 A	12 A	18 A
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utilization category AC3 (690 V):	7 A	9 A	10,5 A
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Contactor type:	<u>AF26</u>	<u>AF30</u>	<u>AF38</u>
Maximum Rated voltage Ue:	690 V AC	690 V AC	690 V AC
Rated frequency:	50/60 Hz	50/60 Hz	50/60 Hz

Main contacts:

Rated op. current Ie (AC1, 40°C):	45 A	50 A	50 A
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Rated operational load:

utilization category AC3 (400 V):	11 kW	15 kW	18,5 kW
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	26 A	32 A	38 A
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utilization category AC3 (690 V):	17 A	21 A	24 A
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Contactor type:	<u>AF40</u>	<u>AF52</u>	<u>AF65</u>
Maximum Rated voltage Ue:	690 V AC	690 V AC	690 V AC
Rated frequency:	50/60 Hz	50/60 Hz	50/60 Hz

Main contacts:

Rated op. current Ie (AC1, 40°C):	70 A	100 A	105 A
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Rated operational load:

utilization category AC3 (400 V):	18,5 kW	22 kW	30 kW
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	40 A	53 A	65 A
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utilization category AC3 (690 V):	25 A	35 A	39 A
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Contactor type:	<u>AF80</u>	<u>AF96</u>
Maximum Rated voltage Ue:	690 V AC	690 V AC
Rated frequency:	50/60 Hz	50/60 Hz

Main contacts:

Rated op. current Ie (AC1, 40°C):	125 A	130 A
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Rated operational load:

utilization category AC3 (400 V):	37 kW	45 kW
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	80 A	96 A
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utilization category AC3 (690 V):	49 A	57 A
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Accessories: as listed in technical data sheet.

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Application:

AF09...AF38 contactors are used for controlling power circuits up to 690 V AC and 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads.

AF09...AF38 4-pole Contactors AC/DC operated with Screw Terminals

Contactor type:	<u>AF09</u>	<u>AF16</u>
Maximum Rated voltage Ue:	690 V AC	690 V AC
Rated frequency:	50/60 Hz	50/60 Hz

Main contacts:		
Rated op. current Ie (AC1, 40°C):	25 A	32 A

Contactor type:	<u>AF26</u>	<u>AF38</u>
Maximum Rated voltage Ue:	690 V AC	690 V AC
Rated frequency:	50/60 Hz	50/60 Hz

Main contacts:		
Rated op. current Ie (AC1, 40°C):	45 A	55 A

Accessories: as listed in technical data sheet

Application:

AF09...AF38 4-pole contactors are used for controlling power circuits for 690 V AC and 440 V DC. They are mainly used for controlling non-inductive loads, or slightly inductive loads

Auxiliary contactors NF Screw & Spring Terminals:

Maximum Rated voltage Ue:	690 V AC
Rated frequency:	50/60 Hz
Conventional free-air thermal current Ith 0...40° C:	16 A

Rated op. current Ie (AC15):

24 – 127 V 50/60 Hz:	6 A
220 – 240 V 50/60 Hz:	4 A
400 – 440 V 50/60 Hz:	3 A
500 V 50/60 Hz:	2 A
690 V 50/60 Hz:	2 A

Rated op. current Ie (DC13):

24 V DC:	6 A / 144 W
48 V DC:	2,8 A / 134 W
72 V DC:	1 A / 72 W
110 & 125 V DC:	0,55 A / 60 W
220 & 250 V DC:	0,27 A / 60 W
400 V DC:	0,15 A / 60 W
500 V DC:	0,13 A / 65 W
600 V DC:	0,1 A / 60 W
Short circuit protection gG type fuse:	10 A:

Accessories: as listed in technical data sheet.

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Application:

NF contactor relays are used for switching auxiliary and control circuits.

Auxiliary contacts (Accessories)Screw & Spring Terminals:

As listed in the technical data sheets

Documents:

- ABB catalogue sheet: 1SBC 100156 C0202 and C0203
- ABB data sheet: 1SBC 100156 C0202 and C0203
- ABB Catalogue: 1SBC 100173C0201 Rev A

Test reports:

- Intertek Semko AB, no. 812100-1 & 1113927-1
- Intertek Semko AB, no. 814263-1
- Intertek Semko AB, no. 814265-1 & 1113932-1
- Intertek Semko AB, no. 814267-1 & -2
- Intertek Semko AB, no. 814268-1 & -2
- Intertek ETL Semko, no. 900426-1
- Intertek ETL Semko, no. 916235-1
- Intertek ETL Semko, no. 916341-1
- Intertec Semko AB, no. 1209915-1
- Intertec Semko AB, no. 1209915-2
- Intertec Semko AB, no. 12010366-1 Ed 3
- Intertec Semko AB, no. 12010366-2 Ed 2
- Intertec Semko AB, no. 12010366-3 Ed 3
- Intertec Semko AB, no. 12010366-5 Ed 1
- CB Test Certificates no. SE-60858A1
- CB Test Certificates no. SE-57680A1/M1; SE-57681A1; SE-57682A1/M1; SE-57683A1; SE-65229A2; SE-65230A2
- ABB Test Report 20120546-A
- ABB Test Report 20120547-A
- CB Test Certificates no. SE-72130, SE-72131

HAMBURG August 21, 2013



Signature