



TYPE APPROVAL CERTIFICATE
No. ELE270124XG

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>	Contactors: AFC09... - AFC96... Auxiliary contactor NFC and accessories
<i>Applicant</i>	ABB FRANCE 11 RUE d' Arsonval 69680 CHASSIEU FRANCE
<i>Manufacturer</i>	ABB FRANCE
<i>Place of manufacture</i>	11 Rue d' Arsonval 69680 CHASSIEU FRANCE
<i>Reference standards</i>	IEC 60947-4-1:2018 and IEC 60947-5-1:2016

Issued in **HAMBURG** on **November 13, 2024**. *This Certificate is valid until* **November 12, 2029**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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Contactors: AFC09... - AFC96...
Auxiliary contactor NFC and accessories

Product description:

The **AFC09...AFC96** series are AC operated contactors. These contactors are available as:

- 3-pole contactors - with screw, push-in spring terminals or
- 4-pole contactors - with screw, push-in spring terminals.

Main characteristics of AFC 09(K)...AFC96 contactors:

Maximum Rated voltage Ue: 690V AC
 Rated frequency: 50/60Hz
 Degree of protection: IP 20
 Rated control circuit voltage: AC

Technical data of 3-pole contactors:

Contact type:	AFC09	AFC12	AFC16	AFC25	AFC26	AFC30	AFC38
Main contacts:							
Rated op. current Ie (AC1, 40°C) for screw or push-in terminal:	25A	28A	30A	32A	45A	50A	50A
Rated operational load	4kW	5,5kW	7,5kW	7.5kW	11kW	15kW	18,5kW
utilization category AC3 (400V)	9A	12A	18A	25A	26A	32A	38A
utilization category AC3 (690V)	7A	9A	10,5A	10A	17A	21A	24A

Contact type:	AFC40	AFC52	AFC65	AFC78	AFC80	AFC96
Main contacts:						
Rated op. current Ie (AC1, 40°C) for screw terminal:	70A	100A	105A	105A	125A	130A
Rated operational load	18,5kW	22kW	30kW	37kW	37kW	45kW
utilization category AC3 (400V)	40A	53A	65A	80A	80A	96A
utilization category AC3 (690V)	25A	35A	39A	40A	49A	57A

Application: AFC09 ... AFC96 contactors are used for controlling power circuits up to 690V AC. They are mainly used for controlling 3-phase motors.

Accessories: as listed in technical data sheet.

Technical data of 4-pole contactors:

Contact type:	AFC09	AFC16	AFC26	AFC38	AFC40	AFC52	AFC80
Main contacts:							
Rated op. current Ie (AC1, 40°C)	25A	30A	45A	55A	70A	100A	125A
Rated operational load	4kW	7.5kW	11kW	11kW	18.5kW	22kW	37kW
utilization category AC3 (400V)	9A	18A	22A	22A	40A	53A	80A
utilization category AC3 (690V)	7A	10,5A	10,5A	10,5A	25A	35A	49A

Application: AFC09...AFC80 4-pole contactors are used for controlling power circuits for 690V AC.

Accessories: as listed in technical data sheet.



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The **NFC...(K)** series are 4- or 8-poles auxiliary contactors with screw, spring and push-in (K) terminals for switching auxiliary and control circuits.

Technical data:

Specification/Type		NFC...(K)
Rated operational voltage	Ue max.	690V AC
Rated insulation voltage	Ui	690V
Rated frequency:		50/60Hz
Conventional free-air thermal current	Ith (40°C)	16 A
Rated operational current	Ie/AC-15	24-127V: 6A; 220-240V: 4A; 400-440V: 3A; 500V: 2A; 690V: 2A
Rated operational current	Ie/DC-13	24V: 6A; 48V: 2.8A; 72V: 1A; 125V: 0.55A; 250V: 0.27A; 400V: 0.15A; 500V: 0.13A; 600V: 0.1A
Short circuit protection gG type fuse:		10A
Degree of protection:		IP 20
Rated Impulse Withstand voltage:	Uimp	6kV
Connection:	/	Screw, spring or push-in terminals

The **CA4...(K)**, **CAT4...(K)**, **CAL4...(K)** series are auxiliary contact blocks for the operation of auxiliary circuits and control circuits on contactors of AF series. These auxiliary contact blocks are available with screw, spring or push-in (K) terminals.
CA4X: 1, 2 or 4-pole block, front-mounted, instantaneous with N.O, N.C contacts
CAT4...(K): 2-pole block, front-mounted, instantaneous N.O + N.C contacts with coil connection terminal on front face
CAL4...(K): 2-pole block instantaneous N.O + N.C contacts clipped onto right and/or left side of the contactors

Technical data:

Specification/Type		CA...(K)
Rated operational voltage	Ue max.	24...690V
Rated insulation voltage	Ui	690V
Rated frequency limits	/	25..400Hz
Rated operational current	Ie/AC-15	24-127V: 6A; 220-240V: 4A; 400-440V: 3A; 500V: 2A; 690V: 2A
Rated operational current	Ie/DC-13	24V: 6A; 48V: 2.8A; 72V: 1A; 125V: 0.55A; 250V: 0.27A; 400V: 0.15A; 500V: 0.13A; 600V: 0.1A
Degree of protection:		IP 20
Rated Impulse Withstand voltage:	Uimp	6kV
Connection:	/	Screw, spring or push-in terminals

Additional place of manufacture:

ABB Xinhui Low Voltage Switchgear Co, Ltd
Jinguzhou Industrial Development Zone, Xinhui Region, Jiangmen City
Guangdong Province, China

Documents:

Main Catalogue: - CATALOGUE_AFC_141122;

Test reports:

- 20220508-6 TR CB AFC26 3p Intertek n°2307987STO-001; 20210462-5 TR CB AFC26 4p Intertek n°2307988STO-001;
20210462-6 TR CB NF Intertek n°2201380STO-001; 20220508-8 TR CB AFC80 Intertek n°2302483STO-001; 20220508-7 TR
CB AFC40 Intertek n°2302482STO-001; 20220508-5 TR CB AFC09 Intertek n°2302478STO-001; TR CB AFC25 STIEE n°
00901-CB2022CQC-103847; TR CB AFC78 STIEE n° 00901-CB2023CQC-106401; 20220005-M AFC S3 4p AFC S3.5;
20220439 AFC40 AFC80;

CB Test Certificates Intertek Semko AB:

- SE-113159A1; SE-113326; CB_SE-113571; CB_SE-113885; CB_SE-113158A1; SE-112855; CN-58870; CN-60949

ABB:

- 20210261-1MA AFC09-30-01; 20210261-2MA AFC26-30-00; 20210261-3MA AFC26-40-00; 20210262-MA AFC S1 AFC S2;

HAMBURG November 13, 2024

