Ref. Certif. No.

**SE-108879**

# IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

| | |
|---|---|
| Product | Contactor |
| Name and address of the applicant | ABB FRANCE<br>11 Rue d'Arsonval<br>Chassieu 69680<br>France |
| Name and address of the manufacturer | Same as applicant |
| Name and address of the factory<br>Note: *When more than one factory, please report on page 2* | See page 2 |
| Ratings and principal characteristics | $U_e$ = 400V / 500V / 690V,<br>$I_e$ = 7A - 32A<br>$U_i$ = 690V; $U_{imp}$ = 6kV |
| Trademark (if any) | ABB |
| Customer's Testing Facility (CTF) Stage used | - |
| Model / Type Ref. | AF*09**-30-**-*, AF*12**-30-**-*, AF*16**-30-**-*<br>AF*09**-40-**-*, AF*16**-40-**-*, AF*09**-22-**-*,<br>AF*16**-22-**-* |
| Additional information (if necessary may also be reported on page 2) | See page 2-4 |
| A sample of the product was tested and found to be in conformity with | IEC 60947-4-1:2018 |
| As shown in the Test Report Ref. No. which forms part of this Certificate | 2109945STO-001 |

This CB Test Certificate is issued by the National Certification Body

**Intertek Semko AB**
**Torshamnsgatan 43**
**Box 1103**
**SE-164 22 Kista, Sweden**

intertek

Signature:

Leif Mattsson

Date: 22 August, 2022

## Factories

ABB France
11 Rue d'Arsonval,
69680 Chassieu
France

ABB Xinhui Low Voltage Switchgear Co, Ltd
Jinguzhou Industrial Development Zone, Xinhui District, Jiangmen City,
Guangdong Province, CN-529100
China

## Additional information

Ratings for AF-range of contactors covered by report:

| Ratings: | AC-1 | | AC-3 | | AC-3e | | AC-4 | | AC-8a | |
|---|---|---|---|---|---|---|---|---|---|---|
| **AF*09**-30-**-*** | 690V | 25A | ≤ 500V<br>> 500 ≤690 | 9,5A<br>7A | ≤ 500V<br>> 500 ≤690 | 9,5A<br>7A | ≤ 500V<br>> 500 ≤690 | 9,5A*<br>7A | 400V | 12A |
| **AF*09**-30-*S-*** | 690V | 22A | Same as AF09 with screw terminals | | | | | | | |
| **AF*12**-30-**-*** | 690V | 28A | ≤ 500V<br>> 500 ≤690V | 12,5A<br>9A | ≤ 500V<br>> 500 ≤690V | 12,5<br>9A | ≤ 500V<br>>500 ≤690V | 12,5A*<br>8,4A | 400V | 16A |
| **AF*12**-30-*S-*** | 690V | 24A | Same as AF12 with screw terminals | | | | | | | |
| **AF*16**-30-**-*** | 690V | 32A | ≤ 500V<br>> 500 ≤690V | 18A<br>10,5A | ≤ 500V<br>> 500 ≤690V | 18A<br>10,5 | ≤ 500V<br>>500 ≤690V | 13A*<br>8,4A | 400V | 22A |
| **AF*16**-30-*S-*** | 690V | 24A | Same as AF16 with screw terminals | | | | | | | |
| **AF*09**-22-**-***<br>**AF*09**-40-**-*** | 690V | 25A | - | | | | | | | |
| **AF*16**-22-**-***<br>**AF*16**-40-**-*** | 690V | 32A | - | | | | | | | |

*Also includes reversing starter contactor

Date: 22 August, 2022

Signature:

## Additional information

Type key:

| AF | S | 09 | Z | B | – | 30 | – | 00 | RT | – | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | | 6 | | 7 | 8 | | 9 |

**1 = Name of series**

AF = Contactor AF range

**2 = Application**

"blank" = standard applications
S = contactor for safety application

**3 = Size of contactor**

09, 12, 16

**4 = Type of coil**

"blank" = Standard consumption
Z = Low consumption

**5 = Type of material**

"blank" = Standard material
B = Contactor for railway applications (special raw plastic)

**6 = Number of main contacts**

30 = 3 NO- and 0 NC-contacts
22 = 2 NO- and 2 NC-contacts
40 = 4 NO- and 0 NC-contacts

**7 = Number of auxiliary contacts**

00 = 0 NO- and 0 NC-contacts
04 = 0 NO- and 4 NC-contacts, Mounted as 2nd stack, (only for AFS)
05 = 0 NO- and 5 NC-contacts, integrated as 4th pole and mounted as 2nd stack, (only for AFS)
10 = 1 NO- and 0 NC-contacts, integrated as 4th pole
01 = 0 NO- and 1 NC-contacts, integrated as 4th pole
11 = 1 NO- and 1 NC-contacts, side mounting
13 = 1 NO- and 3 NC-contacts, Mounted as 2nd stack, (only for AFS)
14 = 1 NO- and 4 NC-contacts, Mounted as 2nd stack, (only for AFS)
22 = 2 NO- and 2 NC-contacts, Mounted as 2nd stack, (also for AFS)
23 = 2 NO- and 3 NC-contacts, integrated as 4th pole and mounted as 2nd stack, (only for AFS)
31 = 3 NO- and 1 NC-contacts, Mounted as 2nd stack, (only for AFS)
32 = 3 NO- and 2 NC-contacts, integrated as 4th pole and mounted as 2nd stack, (also for AFS)

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**8 = Connection type**

| | |
|---|---|
| "blank" = screw terminals | |
| S = spring terminals | (only contactors with 3 main poles) |
| K = push in terminals | (only contactors with 3 main poles) |
| RT = terminals for ring lugs | |

**9 = Coil configuration**

| | |
|---|---|
| 11 = 20-60VDC / 24-60VAC | (Standard consumption) |
| 12 = 48-130VAC/VDC | (Standard consumption) |
| 13 = 100-250VAC/VDC | (Standard consumption) |
| 14 = 250-500VAC/VDC | (Standard consumption) |
| 41 = 24-60VAC | (Standard consumption) |
| 20 = 12-20VDC | (Low consumption) |
| 21 = 20-60VDC / 24-60VAC | (Low consumption) |
| 22 = 48-130VAC/VDC | (Low consumption) |
| 23 = 100-250VAC/VDC | (Low consumption) |
| 30 = 24VDC | (Low consumption) |

Date: 22 August, 2022

Signature: